REMEDIAL INVESTIGATION REPORT

U-Haul Site
555 West 22nd Street
New York, NY 10001
NYSDEC BCP No. C231101

Submitted to:
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B
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FINAL
January 2018

CONTENTS

LIST OF APPENDICIES

LIST OF FIGURES

LIST OF TABLES

CERTIFICATION

I, Keith Brodock, P.E. certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

Date: 2018.01.22 16:15:07 -05'00'

Signature Date

1 INTRODUCTION

Integral Engineering P. C. (Integral) has prepared this Remedial Investigation Report (RIR) on behalf of 23rd and 11th Associates, L.L.C. for the property located at 555 West 22nd Street (Block 694, Lots 2, 5, 60, 61 and 65), New York, NY (Site). The Site is currently enrolled in the New York State Brownfield Cleanup Program (BCP) and listed as Site No. C231101.

This RIR presents the results of the Remedial Investigation (RI) performed onsite in November 2016 and November 2017 as well as the Qualitative Exposure Assessment (QEA) performed at the Site in June 2017. This RIR includes summaries of the Site history, previous environmental assessments and investigations, a description of the Site geologic and hydrogeologic setting, subsurface features, conclusions and recommendations that will aid in the development of a Remedial Action Work Plan.

1.1 SITE DESCRIPTION

The Site is located in a mixed use area of the West Chelsea section of the Borough of Manhattan. The Site is comprised of five tax lots (approximately 33,671 SF) identified on New York City tax maps as Block 694 Lots 2, 5, 60, 61, and 65. The Site is bounded to the north by West 23rd Street, to the east by 10th Avenue, to the south by West 22nd Street, and to the west by 11th Avenue. A USGS Topographic Map is included as Figure 1. A map showing the Site property boundaries is included as Figure 2.

The Site is currently zoned C6-3A, C6-3 and M (Commercial, Mixed Buildings and Manufacturing) and is owned by 23rd and 11th Associates, L.L.C. Lot 2 is currently improved with a vacant three-story slab on grade brick building. Lots 5, 60, 61 and 65 were previously owned and operated by U-Haul International Inc. (U-Haul property). The U-Haul property footprint contains three separate buildings, each designated with the letters; A, B and C that identifies their location on specific tax lots. Building A encompasses Lot 65, located at the corner of West 23rd Street and 11th Avenue, and Lot 5 which adjoins the southeastern corner of Lot 65 and has frontage on West 22nd Street; Building B encompasses Lot 61, which adjoins Lot 65 along its eastern property boundary; Building C encompasses Lot 60, which adjoins Lot 61 to the east. The locations of Buildings A, B, C, and their associated tax lot numbers are outlined on Figure 2.

Building A (Lot 65) is a three story commercial building constructed of brick and concrete with a steel frame structure. Adjoining Building A (Lot 65) to the south is a paved parking area, which is the only exposed area of the Site. The area is currently used by U-Haul for rental vehicle parking. Building A does not currently contain vehicle service operations and is now used for moving supply retail, mini-storage units, vehicle hand washing and parking. The first floor of Building A contains U-Haul's show room and retail space as well as an interior

driveway. The second floor of Building A contains storage units, a single apartment, and rental truck parking. The third floor of Building A contains mini-storage units and an apartment.

Lot 5 contains an extension of Building A consisting of a single-story storage warehouse with portions also used for vehicle parking (Figure 2).

Building B (Lot 61) and Building C (Lot 60) are single story garages constructed of brick and concrete with a steel frame structure (Figure 2). Five rows of parking are marked out, where approximately seven vehicles can park in line. Adjacent properties include mixed use commercial/residential to the north, industrial/manufacturing and commercial/residential to the east, office space and commercial/residential to the south and the West Side Highway to the west.

Based on a review of the New York City Mayor's Office of Environmental Remediation's (OER's) Searchable Property Environmental E-Database (SPEED), no hospitals, day care facilities, or schools are present within 500 feet of the Site.

1.2 SITE HISTORY

Environmental records indicate that historic Site uses included: lumber yard, wood factory, residential and office spaces, restaurant, theater, iron works, garage, automotive repair services, and storage and dispensing of petroleum products. It is unknown whether U-Haul continued to dispense gasoline after taking title to the property in the late 1970's/early 1980's. Currently, no vehicle repair or fueling takes place onsite.

1.3 REGULATORY INTERACTION

23rd and 11th Associates, L.L.C. entered into the BCP as a Volunteer on August 15, 2016 via the execution of a Brownfield Cleanup Agreement (BCA) with New York State Department of Environmental Conservation (NYSDEC). In October 2017, NYSDEC approved an amendment to the BCA for the inclusion of additional tax lot (Lot 2) to the BCP Site. Accordingly, the work performed under this RIR, as well as all future remedial work, was and will be performed in accordance with the requirements set forth in the BCA.

1.3.1.1 NYS Spills Program

Numerous environmental actions/investigations associated with the procedural mandates of NYSDEC Spills Program and the removal or abandonment of several underground storage tanks (USTs) and/or above ground storage tanks (ASTs) have been conducted on the Site from 1991 through 2006. A summary of previous site investigations and/or actions is presented in Section 2.2 of this RIR. A description of spills associated with the Site is provided below.

Four spills are associated with the Site:

1. NYSDEC Spill No. 9000199 was reported to the Department in April 1990 as an unknown amount of gasoline impacting groundwater due to a tank failure. The spill was closed in June 2000.

2. NYSDEC Spill No. 9305627 was reported to the Department on August 5, 1993 and closed by the Department the next day. The spill was reported as waste oil emanating from abandoned drums in the amount of 55 gallons which impacted soil.

3. NYSDEC Spill No. 9700188 was reported to the Department in April 1997 as a 40-gallon gasoline spill impacting soil; cause unknown. The spill was closed in February 2002.

4. NYSDEC Spill No. 0205608 was reported to the Department in August 2002 as an unknown amount of #2 fuel oil impacting soil due to a tank failure. The spill was closed in December 2002.

NYSDEC Spill Nos. 9000199, 9700188, and 0205608 were closed following satisfactory investigation and/or remediation through agreements under the NYSDEC Spills Program. There is no information regarding investigation or remediation activities associated with Spill No. 9305627. The above-referenced information for Spill No. 9305627 was obtained via NYSDEC's Spill Database.

1.3.1.2 NYCOER E-Designation Program

As part of the West Chelsea re-zoning, approved by the City on June 23, 2005, Hazardous Materials and Noise E-Designations were assigned to tax lots 60, 61, and 65. Lot 5, while it has no E-Designation associated with it, will be subject to the Hazardous Materials and Noise E-Designation requirements for Lots 60, 61, and 65 in the event that they are merged. The E-Designation program is administered by OER; E-Designations are assigned to development sites identified by a lead agency during the City Environmental Quality Review (CEQR) of a proposed zoning action in order to apply environmental requirements related to potential hazardous materials, air quality, or noise impacts resulting from the proposed action.

Work Plans and reports submitted to the NYSDEC as part of the BCP will also be submitted to OER for its records and will satisfy the Hazardous Materials E-Designation for the Site. A separate Noise Remedial Action Plan (RAP) will be submitted to OER to satisfy the Noise E-Designation.

1.4 OBJECTIVES

The objectives of the RI, as outlined in the RIWP (Integral, October 2016), are as follows:

- To define the nature and extent of contamination on and offsite;

- To identify if residual contaminant source areas are present on the Site;
- To determine whether remedial action is needed to protect human health and the environment; and
- To produce data of sufficient quantity and quality to prepare a Remedial Action Work Plan (including alternatives analysis) to support the remediation of the Site, if warranted.

The RI was developed in general accordance with the NYSDEC's Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10), dated May 2010.

References used in assessment of this Site and for development of this Report are identified in the References section at the end of this document.

2 SITE BACKGROUND

2.1 PHYSICAL SETTING

The Site incorporates approximately 0.77 acres of fairly level land situated in the City of New York, New York County, New York. The Site is mapped on the Jersey City, NY-NJ Quadrant 7.5 Minute Topographic Map, published by the United States Geological Survey (USGS). Site topography generally slopes down across the Site from northeast to southwest. Ground surface elevations range from about El. +8 in the northeast corner of the site to about El. +5.5 in the southwest corner (MRCE, 2017). All elevations in this report are referenced to North American Vertical Datum of 1988 (NAVD 88). The entire area surrounding the Site is urban land which has been developed and manually contoured to be level with street grade.

2.1.1 Geologic Setting

The shallow subsurface at the Site consists of historic fill material underlain by sands, silts, clay, and glacial till. The uppermost stratum is a layer historic of fill extending between 14 and 34 feet below ground surface. The layer is comprised of loose to very compact brown, gray, black, and tan fine to coarse sand, trace to some brick, cinders, concrete, wood, rubber, metal, ash, silt, and gravel. Native soil underlies the fill and generally consists of the following strata summarized by in order of their occurrence with depth (MRCE, 2017):

Stratum S1 - Sand and Gravel: Underlying the fill in the southeast portion of Lot 60 and south of Lot 5; between 8 to 10 feet thick; comprised of compact brown and black fine to coarse sand and fine to coarse sandy gravel.

Stratum O – Organic Silty Clay: Underlying the fill in all areas of the Site, excluding the two areas underlain by Stratum S1; between 9 to 48 feet thick; comprised of soft to medium gray to black organic silty clay, trace to some fine to medium sand, shells, and peat.

Stratum S2 – Glacial Sand: Underlying the O layer; between 4 to 56 feet thick; comprised of loose to very compact red, brown, and gray fine to coarse sand, trace silt, gravel, and shells.

Stratum T – Glacial Till: Underlying the sand layer in one area of the Site (southeast portion of Lot 61); 4 foot-thick layer of gray boulders and cobbles.

The Site is situated within the Manhattan Prong region of the Highlands Province, characterized by highly deformed Paleozoic to Proterozoic metasedimentary and metaigneous rocks. The crystalline rocks of the Manhattan Prong are separated by complexly deformed, northeast-trending ductile thrust faults mapped as the St. Nicholas thrust and Cameron's Line (Merguerian, 1983a; Merguerian and Baskerville, 1987), which separate contrasting sequences of metamorphosed Lower Paleozoic strata formerly lumped together as the Manhattan Schist formation.

Bedrock was encountered during the geotechnical investigation (performed by others) underlying the glacial sand till layers (approximately 80 to 100 feet below grade), and is comprised of intermediate to unweathered gray gneissic schist, schistose gneiss, mica schist, and hornblende schist, trace pegmatite, blocky, slightly weathered, mineral coated, and sand filled joints (MRCE, 2017).

2.1.2 Hydrogeologic Setting

Groundwater has been measured at depths ranging from approximately 6.6 to 8.5 ftbg, which is several feet shallower than the proposed excavation depth. The topography of the Site is relatively flat. Given the relatively shallow depth to groundwater, the existence of numerous subsurface structures and infrastructure, and the Site's proximity to the Hudson River, groundwater flow is expected to both locally and tidally influenced. A formal elevation survey was conducted on December 2, 2016 to provide groundwater elevations. The local groundwater flow is to the northwest toward the Hudson River; however, the monitoring wells surveyed on site show groundwater flowing to the north which could be due to influence of subsurface infrastructure. A groundwater contour map is included as Figure 3.

The entire Site and most of the surrounding areas are developed. The Chelsea Waterside Park is located approximately 85 feet west of the Site and the High Line Park is located approximately 500 feet east of the Site. The Site is located in the 100-yr floodplain and there are no wetlands or surface water bodies present at the Site. The nearest surface water body is the Hudson River, located approximately 525 feet west of the Site.

2.1.3 Subsurface Features

Based on record reviews, the Site currently contains one abandoned 1,000-gallon USTs, one abandoned 550-gallon UST, and an abandoned 5,000-gallon AST. A geophysical survey was conducted as part of this RI to identify the presence of USTs; however, the survey was inconclusive due to interference from the reinforced concrete that comprises the building(s) foundation slab. The current locations of USTs remain unknown, but based review of records, it is assumed that they are within the bounds of Lot 65. Approximate locations of the tanks are depicted on Figure 2.

Two basement areas exist beneath Building A (Lot 65), both of which are accessed through exterior steel doors (Bilco doors) located within the sidewalks on West 23rd Street and 11th Avenue (Figure 2). The West 23rd Street Bilco doors lead to a concrete capped boiler room containing an abandoned 5,000-gallon AST, an inactive fuel oil boiler system, and two sump areas with discharge pumps reportedly connected to the combined sewer. The 11th Avenue Bilco doors lead to a concrete capped basement area which contains Building A's sewer line and one sump area with a discharge reportedly connected to a combined sewer. Additionally, Lot 65 contains a zipper drain at the automobile hand wash station near 11th Avenue, which is

plumbed to the building's combined sewer line and discharged into NYC's combined municipal sewer system. A crawl space is located in the southeastern corner of Lot 2.

2.2 PREVIOUS INVESTIGATIONS

Previous investigations include work performed for spill and tank closure reports, a 2015 Phase I Environmental Site Assessment, and a 2016 Limited Phase II Environmental Site Investigation. Findings from these previous investigations are discussed in the following sections. A list of the investigations detailed in this section is included herein:

1. Boring Report, U-Haul Corporation New York City, American Hi-Tech, Inc., 1994.

2. Tank Removal Letter, U-Haul #803-62 562 West 23rd Street, New York, NY, Tyree Brothers Environmental Services, Inc., April 1997.

3. Closure Report for the Excavation of Underground Storage Tanks, U-Haul #803-62 562 West 23rd Street, New York, NY, Tyree Brothers Environmental Services, Inc., July 1997.

4. Site Assessment Report; U-Haul Moving Center #803-62, 562 West 23rd Street, New York, NY, Pinnacle Environmental Technologies, 1997.

5. Groundwater Sampling Report, 562 West 23rd Street, New York, NY, Pinnacle Environmental Technologies, 1998.

6. Quarterly Groundwater Sampling Reports, 562 West 23rd Street, New York, NY, Pinnacle Environmental Technologies, 1999.

7. Site Closure Letter, NYSDEC Spills 9000199 & 9700188, 562 West 23rd Street, New York, NY, ATC Associates, Inc., 2000.

8. Site Investigation Report, 562 West 23rd Street, New York, NY, ATC Associates, Inc., 2001.

9. Supplement to the Site Investigation Report, Groundwater Modeling, 562 West 23rd Street, New York, NY, ATC Associates, Inc., 2001.

10. Underground Storage Tank Closure and Focused Subsurface Investigation, 562 West 23rd Street, New York, NY, ATC Associates, Inc., 2002.

11. Report on Drum Removal, 562 West 23rd Street, New York, NY, ATC Associates, Inc., 2002.

12. Phase I Environmental Site Assessment, 562 West 23rd Street, New York, NY, ATC Associates, Inc., 2002.

13. 5,000-gallon Tank Closure Report, 562 West 23rd Street, New York, NY, Environmental Resources Management, 2006.

14. Phase I Environmental Site Assessment and Update, 562 West 23rd Street, New York, NY, Integral Engineering, 2015 and 2017, respectively.

15. Limited Phase II Environmental Site Investigation, 555 West 22nd Street, New York, NY, Integral Engineering, 2016.

16. Limited Phase II Environmental Site Investigation, West 23rd Street Development (Lot 2), New York, NY, Integral Engineering, 2017.

Copies of available environmental records and reports are included in their entirety, as received, in Appendix A. Findings and conclusions from these reports are summarized in the following sections.

2.2.1 Boring Report, U-Haul Corporation New York City, American Hi-Tech, Inc., 1994

American Hi-Tech (AHT) identified the Site as Site #9 (Building A [Lot65]) and noted it to be NYSDEC PBS Facility No. 2-084069 with two active 1,000-gallon USTs which store gasoline and diesel, a closed-in-place 550-gallon gasoline UST, and a removed 1,000-gallon fuel oil UST. AHT performed a Subsurface Site Investigation in the vicinity of the abandoned 550-gallon and 1,000-gallon USTs. The results of the investigation revealed that VOCs were present in Site soils above NYSDEC applicable soil cleanup objectives in boring B-4. This boring was reportedly located adjacent to the abandoned 1,000-gallon fuel oil UST and was collected at the soil and groundwater interface. Available results from this investigation are shown on Figure 4.

Subsequent to a tank test failure, a spill was reported to the NYSDEC and assigned Spill No. 9000199. After a number of tank removal/closure actions and monitoring of groundwater, this spill was closed in 2000. The spill closure is summarized in Section 2.2.5.

2.2.2 Tank Removal Letter, U-Haul #803-62 562 West 23rd Street, New York, NY, Tyree Brothers Environmental Services, Inc., April 1997

In April 1997, Tyree Brothers Environmental Services, Inc. cut and cleaned two 1,000-gallon USTs located in Building A and removed their associated piping. Excavation of the USTs was anticipated during this time; however, a spill was encountered during tank decommissioning, and therefore the USTs were left in place for excavation at a later date. NYSDEC Spill Number

9700188[1] was assigned to the property. The spill was closed in February 2002, and is summarized in Section 2.2.8.

2.2.3 Closure Report for the Excavation of Underground Storage Tanks, U-Haul #803-62 562 West 23rd Street, New York, NY, Tyree Brothers Environmental Services, Inc., July 1997

In July 1997, Tyree Brothers Environmental Services, Inc. excavated and removed one 1,000-gallon gasoline UST and one 1,000-gallon diesel UST within the western portion of Building A (Lot 65). These USTs were connected to a previously demolished pump island located near Building A's exit onto 11th Avenue. Post-excavation soil samples revealed that VOCs were present in soil beneath the fill lines (located under the sidewalk adjacent at 11th Avenue) at concentrations exceeding NYSDEC applicable soil cleanup objectives (Figure 5). Approximately 8.5 tons of petroleum-contaminated soil was excavated and removed from the Site in the vicinity of the remote fill lines. The soil was thermally treated and recycled at Posillico Brothers Asphalt Company in July 1997. Available soil analytical results from this investigation are depicted on Figure 5.

2.2.4 Site Assessment Report and Quarterly Groundwater Sampling Reports; U-Haul Moving Center #803-62, 562 West 23rd Street, New York, NY, Pinnacle Environmental Technologies, 1997-1999

In 1997, Pinnacle Environmental Technologies (Pinnacle) installed three groundwater monitoring wells at the Site. Two wells were installed within the sidewalk along 11th Avenue and one well was installed within Lot 65. Soil sampling was performed during the installation of the wells, and laboratory results indicated that VOCs were detected at concentrations exceeding NYSDEC applicable soil cleanup objectives in two of nine soil samples collected from three soil borings, including the former fill line trench adjacent to 11th Avenue and formerly excavated by Tyree (Figure 6). Laboratory results from groundwater samples collected from the wells indicated that total BTEX concentrations exceeded the NYSDEC Ambient Groundwater Quality Criteria in wells MW-1 and MW-3 (Figure 7). From 1997 to 1999, Pinnacle initiated a groundwater-monitoring program consisting of biannual sampling of the three wells and associated reporting. During this period, dissolved BTEX and MTBE decreased to non-detect in MW-1, non-detect in MW-2 and fluctuated in MW-3. The last sampling event (June 27, 1999) indicated BTEX and MTBE concentrations in MW-3 at 45.8 µg/l and at 53 µg/l, respectively. Available soil results from this investigation are depicted on Figure 6. Available groundwater results from quarterly monitoring are depicted on Figure 7

[1] It appears that the NYSDEC recorded the date of this spill incorrectly, documenting it as having taken place in 1990.

2.2.5 Site Closure Letter, NYSDEC Spills 9000199 & 9700188, 562 West 23rd Street, New York, NY, ATC Associates, Inc., 2000

In a site closure letter dated May 18, 2000, ATC summarized previous remedial actions and groundwater monitoring and petitioned NYSDEC to close Spills 9000199 and 9700188 and issue a no further action (NFA) letter. On June 21, 2000 NYSDEC closed out Spill 9000199, and left 9700188 open pending additional investigation.

2.2.6 Phase I Environmental Site Assessment, 562 West 23rd Street, New York, NY, ATC Associates, Inc., 2001

A Phase I ESA was completed at the Site by ATC in November 2001 for Americo Real Estate Company. The ESA was completed in accordance with the ASTM E1527-00. ATC concluded that there were no recognized environmental conditions (RECs) associated with the property.

2.2.7 Site Investigation Report, 562 West 23rd Street, New York, NY, ATC Associates, Inc., 2001

On May 15, 2001, ATC collected additional soil and groundwater samples to delineate the contamination around former boring B-4 to characterize the subsurface conditions along the western boundary of Building A (Lot 65), and to evaluate subsurface conditions downgradient of the abandoned 1,000-gallon fuel oil UST. Laboratory analysis indicated petroleum related VOCs were present in groundwater at concentrations exceeding TOGS AWQS. Available soil and groundwater results from this investigation are shown on Figures 4 and 7, respectively.

2.2.8 Supplement to the Site Investigation Report, Groundwater Modeling, 562 West 23rd Street, New York, NY, ATC Associates, Inc., 2001

In December 2001, ATC performed Bioscreen groundwater modeling to evaluate the potential for dissolved phase petroleum impacts to migrate offsite and downgradient of Lot 65. The results of the Bioscreen model suggested that natural attenuation was the appropriate remedial technology for the dissolved hydrocarbons. Based upon the results of the model, ATC requested that the Department issue a NFA letter.

NYSDEC issued a NFA letter for 562 West 23rd Street on February 22, 2002 and NYSDEC Spill Number 9700188 was closed. In May 2002, ATC abandoned the three groundwater monitoring wells in accordance with NYSDEC guidelines.

2.2.9 Underground Storage Tank Closure and Focused Subsurface Investigation, 562 West 23rd Street, New York, NY, ATC Associates, Inc., 2002

In July 2002 ATC oversaw the removal of eight 550-gallon petroleum USTs and the in-place closure of one 1,000-gallon heating oil UST in in Lots 60, 61 and 58 (abuts Lot 60 to the east).

Laboratory analysis of endpoint samples indicated the presence of petroleum related VOCs in soil exceeding applicable regulatory standards. NYSDEC spill number 0205608 was assigned to the Site.

In August 2002, ATC performed a subsurface investigation in the area of the former USTs. Laboratory analysis indicated that low concentrations (exceeding AWQS) of petroleum related VOCs and SVOCs were present in one groundwater sample. ATC concluded that there was minimal risk of exposure and requested that the Department issue a NFA letter. In December 2002, NYSDEC closed spill number 0205608.

Boring and/or sample locations and associated analytical results were not available for review. The above results were summarized from a letter report prepared by ATC and included in Appendix A.

2.2.10 Report on Drum Removal, 562 West 23rd Street, New York, NY, ATC Associates, Inc., 2002

In June 2002, seven drums were removed from Lot 65 and sent to Cyclechem in NJ. Laboratory analysis of the contents indicated that 4 plastic drums contained dilute aqueous formic acid and ammonium hydrogen fluoride solution; 1 plastic drum contained a dilute aqueous sodium bicarbonate solution; 1 plastic drum contained an aqueous trifluoroacetic acid and ammonium hydrogen fluoride solution; and a 55-gallon steel drum contained spent granulated activated carbon (GAC). Chemical analysis indicated that the contents of each drum were non-hazardous and non-regulated under RCRA. According to ATC, the aqueous solutions discovered are believed to be spent process liquids typically used in the cleaning and flushing of tap lines in breweries and/or taverns.

2.2.11 Tank Closure Report, 562 West 23rd Street, New York, NY, Environmental Resources Management, 2006

In 2006, ERM abandoned in-place one 5,000-gallon #2 fuel oil AST located in the basement of Lot 65. The AST was filled with foam and all pipes were plugged. No samples were collected.

2.2.12 Phase I Environmental Site Assessment, Integral 2015

A Phase I Environmental Site Assessment (ESA) was conducted by Integral in December 2015. Five RECs in connection with the Site:

1. Historic Site Usage for Automotive Services and Petroleum Storage
2. NYSDEC Spill Numbers 9000199, 9700188, and 0205608 [all closed]
3. Historic Site Occupancy by Brake Labs Inc.
4. Historic Site Usage for Chemical Storage
5. Presence of a Hazardous Materials E-Designation

Detailed descriptions of the above cited RECs are included in the Phase I ESA Report, Appendix A to this Report.

2.2.13 Limited Phase II Environmental Site Investigation (Lots 5, 60, 61 and 65), Integral 2016

A Limited Phase II Environmental Site Investigation (ESI) was performed in February 2016 to evaluate subsurface soil conditions beneath the Site. The ESI consisted of the advancement of 12 soil borings to investigate the potential onsite soil sources, evaluate previously identified RECs, and investigate areas of the Site that had not been previously investigated. A copy of the Limited Phase II Investigation Report is provided in Appendix A.

2.2.13.1 Scope of Limited Phase II Investigation

Two to four borings were advanced within each tax lot to the groundwater/soil interface (~9 ftbg). A total of 12 borings were advanced over the Site (Figure 8). Borings were located with bias toward areas of concern identified in the 2015 Phase I ESA (Figure 2). One soil sample was collected from each boring for chemical analysis at the soil/water interface or area of highest suspected contamination. These samples were analyzed for the following:

- TCL VOCs via EPA Method 8260C
- TCL SVOCs via EPA Method 8270D
- TAL Metals via EPA Method 6010C/7471B

One soil sample was also collected and held from each boring from the 0-2' interval directly below the slab. These samples (secondary samples) were held pending the analytical results of the samples collected from the soil/water interface or highest level of suspected contamination (primary samples). Secondary samples, if run, were analyzed for the following:

- TCL SVOCs via EPA Method 8270D
- Target Analyte List (TAL) Metals via EPA Method 6010C/7471B
- Polychlorinated Biphenyls (PCBs) via EPA Method 8082A
- Pesticides via EPA Method 8081B

Continuous soil sampling was performed with a track mounted Geoprobe® utilizing direct push technology to the groundwater interface depth, approximately 8 to 10 ftbg. Continuous soil samples were collected using five (5) foot macrocore samplers fitted with dedicated acetate liners. The soil/fill retrieved from each sampler was field screened with a photoionization detector (PID) for VOCs and described by Integral field personnel on boring logs. Additionally, evidence of contamination (e.g., Non Aqueous Phase Liquid [NAPL], sheens, odors, staining, elevated PID readings) was documented by Integral field personnel.

2.2.13.2 Results of Limited Phase II Investigation

Minor exceedances of petroleum related VOCs above Unrestricted Use SCOs (UUSCOs) were detected in soil samples collected from 2 borings: SB-08 [7.5-8.5] and SB-02 [8-9]. Low levels of petroleum related compounds were found in soils below Lot 65 and Lot 60 and are consistent with areas of former onsite petroleum storage (Figure 9).

Elevated concentrations of polycyclic aromatic hydrocarbons (PAHs) and metals (specifically, lead and mercury) above Restricted Residential Soil Cleanup Objectives (RRSCOs) were present in soils/fill material site-wide from approximately 0-10 ftbg (Figures 9 and 10) and are consistent with presence of historic fill material. Metal and PAH concentrations detected in excess of their respective RRSCOs are summarized below.

- Concentrations of lead found in Site soils range from 30 ppm in SB-07[6.5-7.5′] to 980 ppm in SB-08[1-2′], exceeding its RRSCO of 400 ppm.
- Concentrations of mercury found in Site soils range from .06 ppm in SB-07[6.5-7.5′] to 0.96 ppm in SB-05[1-2′], exceeding its RRSCO of 0.81 ppm.
- Concentrations of benzo(a)anthracene found in Site soils range from non-detect (ND) in SB-07[6.5-7.5′] to 11 ppm in SB- 02[2-3′], exceeding its RRSCO of 1 ppm.
- Concentrations of benzo(a)pyrene found in Site soils range from ND in 4 of 18 samples to 20 ppm in SB-10[1-2′], exceeding its RRSCO of 1 ppm.
- Concentrations of benzo(b)fluoranthene found in Site soils range from ND in 3 of 18 samples to 19 ppm in SB-10[1-2′], exceeding its RRSCO of 1 ppm.
- Concentrations of benzo(k)fluoranthene found in Site soils range from ND in 4 of 18 samples to 8.5 ppm in SB-10[1-2′], exceeding its RRSCO of 3.9 ppm.
- Concentrations of chrysene found in Site soils range from ND in 4 of 18 samples to 9.8 ppm in SB-02[2-3′], exceeding its RRSCO of 3.9 ppm.
- Concentrations of dibenzo(a,h)anthracene found in Site soils range from ND in 7 of 18 samples to 5.2 ppm in SB-08[1-2′], exceeding its RRSCO of .33 ppm.
- Concentrations of indeno(1,2,3-cd)pyrene found in Site soils range from ND in 4 of 18 samples to 19 ppm in SB-08[1-2′], exceeding its RRSCO of 0.5 ppm.

Results of the 2016 ESI are provided in Tables 1 – 5 and shown on Figures 9 and 10.

2.2.14 Limited Phase II Environmental Site Investigation (Lot 2), Integral 2017

Four borings were advanced onsite to the groundwater/soil interface (~9 ftbg). One soil sample was collected from each boring for chemical analysis at the soil/water interface or area of highest suspected contamination. These samples were analyzed for the following:

- TCL VOCs via EPA Method 8260C

- TCL SVOCs via EPA Method 8270D
- TAL Metals via EPA Method 6010C/7471B

Continuous soil sampling was performed with a track mounted Geoprobe® utilizing direct push technology to the groundwater interface depth, approximately 10 ftbg. Continuous soil samples were collected using five (5) foot macrocore samplers fitted with dedicated acetate liners. The soil/fill retrieved from each sampler was field screened with a PID for VOCs and described by Integral field personnel on boring logs. Additionally, evidence of contamination (e.g., NAPL, sheens, odors, staining, elevated PID readings) was documented by Integral field personnel.

Soil samples selected for laboratory analysis were placed in laboratory supplied containers, sealed and labeled, and placed in a cooler and chilled to 4°C for transport under chain-of-custody procedures. Soil samples were submitted to Alpha Analytical Laboratory of Westborough, MA, NYSDOH ELAP #11148, via courier service and analyzed for all of the compounds included in NYCRR Part 375 SCOs and Final CP-51 SCLs.

2.2.14.1 Results of Limited Phase II Investigation

No VOCs were detected above UUSCOs.

Benzo(k)fluoranthene and chrysene were detected above their respective UUSCOs of 0.8 and 1 ppm, but below their respective Restricted Residential SCOs (RRSCOs) of 3.9 ppm, in one (1) of four (4) samples collected from Lot 2: LOT2-SB-1 [7-9'] at 1.1 and 2.1ppm, respectively.

Several polycyclic aromatic hydrocarbons (PAHs) including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene were detected in two (2) of four (4) samples collected from the Site at concentrations in excess of their respective RRSCOs.

Concentrations of lead exceeded its UUSCO of 63 ppm in three (3) of four (4) samples collected from Lot 2: LOT2-SB-2 [4-6'], LOT2-SB-3 [6-8'] and LOT2-SB-4 [6-8'] at 153 ppm, 141 ppm and175 ppm, respectively. Concentrations of mercury exceeded its UUSCO of 0.18 ppm in three (3) of four (4) samples collected from Lot 2: LOT2-SB-2 [4-6'], LOT2-SB-3 [6-8'] and LOT2-SB-4 [6-8'] at 0.34 ppm, 0.29 ppm and 0.24 ppm, respectively.

No metals were detected in excess of RRSCOs.

Results of the 2017 ESI are provided in Tables 6 – 10 and shown on Figure 11.

2.2.15 Summary of Previous Investigations

Several Site documents describe numerous environmental imperatives associated with the removal or abandonment of several USTs and/or ASTs on the Site from 1993 through 2002. The majority of these actions took place on Lot 65. Based on the data collected as part of these

earlier actions/investigations, prior usage of the Site for petroleum storage and fueling has historically impacted both soil and groundwater (Figures 4 – 7). Historic investigations indicate the presence of petroleum related VOCs in soil and groundwater above applicable regulatory standards in the vicinity of either closed in-place and/or removed USTs beneath Lot 65 (Figures 4 - 7). Analytical results from the last groundwater sample collected onsite (June 1999) indicate exceedances of benzene, ethylbenzene, isopropylbenzene and MTBE concentrations above NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) Ambient Water Quality Standards (AWQSs) (Figure 7).

Based upon the results of the February 2016 Limited Phase II Investigation, low levels of petroleum related compounds are present in soils below Lot 65 and Lot 60 and are consistent with areas of former onsite petroleum storage (Figure 9). Based upon the results of the 2016 and 2017 Limited Phase II Investigations, elevated concentrations of PAHs and metals (specifically, lead and mercury) are present in soils/fill material Site-wide from approximately 0-10 ftbg (Figures 9 and 10) and are consistent with the presence of historic fill material.

3 REMEDIAL INVESTIGATION

This section provides a description of the methodologies used during the field investigation of the 555 West 22nd Street Site. These field activities were conducted in accordance with the methods and procedures specified in the NYSDEC approved RIWP (Integral, October, 2016), the 6 NYCRR Part 375 Brownfield Cleanup Regulations and in general conformance with NYSDEC DER-10. Implementation of the RI took place from November 8 through November 22, 2016. All samples were collected in accordance with the approved Quality Assurance Project Plan (QAPP) and Field Sampling Plan (FSP). The RI scope of work included a geophysical survey, the advancement of soil borings, the installation of three monitoring wells, the installation of five temporary wells, and the sampling of soil/fill, native soil, soil vapor and groundwater.

The location and number of samples collected, along with the corresponding analytical parameters, are presented in the followings subsections. Descriptions of the field activities are included by task and/or environmental media. The RI sample locations are illustrated on Figure 12. A summary table of all RI sample locations, deviations and rationale is included as Table 11.

3.1 GROUND PENETRATING RADAR

A ground penetrating radar (GPR) survey was conducted over the entire Site (where accessible) prior to the advancement of the soil borings (Section 3.2). The GPR survey was done to evaluate the potential presence of unidentified and/or unconfirmed USTs and aid in the identification of potential utilities, piping, and other subsurface infrastructure. The GPR survey involved traversing the Site with a portable digital pulse GPR system in order to obtain detailed horizontal profiles. Spacing of the traverse lines were dependent upon the interference and resolution.

3.2 SOIL BORING INSTALLATION AND SAMPLING

The RI included twenty-one (21) soil borings to investigate the potential of onsite soil sources, to further evaluate previously identified RECs/AOCs, to investigate areas of the Site that have not been previously investigated and that were identified as data gaps, and to assess the conditions of soils to remain onsite. Soil boring locations are depicted on Figure 12.

Soil borings SB-13 and SB-25 were advanced in the sidewalk along West 23rd Street, north of the Site, to evaluate offsite soil conditions.

Soil borings SB-14, SB-15, SB-16, SB-18, SB-23, SB-24, SB-26, and SB-28 were advanced to evaluate potential soil impacts downgradient of former tanks areas and/or petroleum impacts identified in previous reports.

Soil borings SB-17, SB-19, SB-20, SB-21, SB-22, SB-27, SB-29, SB-30, SB-34, SB-36 and SB-38 were advanced to provide general site coverage and site characterization.

Methodology

Soil borings were advanced by AARCO Environmental Services Corp (AARCO) subsequent to the geophysical survey. The concrete slab varied in thickness over the Site; for the purposes of sample collection, grade is considered to begin at the top of slab. Two (2) soil samples were collected from each boring. In general, one (1) sample was collected from the interval exhibiting the highest PID reading or visual/olfactory impact and one (1) sample was collected below the proposed excavation to evaluate soil that will be left onsite (15-17 ftbg). If no obvious signs of impacts were observed within the soil column, a soil sample was collected from the interval directly above the groundwater interface.

Continuous soil sampling was performed with a track mounted Geoprobe® utilizing direct push technology to a depth approximately 1 foot below the proposed excavation depth (~17 ftbg). A smaller handcart Geoprobe® was used to advance SB-15, located within the retail area where a track mounted Geoprobe® could not be accommodated. Continuous soil samples were collected using five (5) foot macrocore samplers fitted with dedicated acetate liners. The soil/fill retrieved from each sampler was field screened with a PID for VOCs and described by Integral field personnel on boring logs, included as Appendix B. Additionally, evidence of contamination (e.g., Non Aqueous Phase Liquid [NAPL], sheens, odors, staining, elevated PID readings) was documented by Integral field personnel.

Soil samples selected for laboratory analysis were placed in laboratory supplied containers, sealed and labeled, and placed in a cooler and chilled to 4^{o}C for transport under chain-of-custody procedures. Soil samples were submitted to Alpha Analytical Laboratory of Westborough, MA, NYSDOH ELAP #11148, via courier service and analyzed for all of the compounds included in NYCRR Part 375 SCOs and Final CP-51 SCLs. Laboratory analytical parameters and methods are outlined below. Sampling protocol and QA/QC procedures were followed in accordance with the approved FSP (Appendix C) and QAPP (Appendix D).

Soil samples were analyzed for the following parameters:

- VOCs via USEPA Method 8260C;
- SVOCs via USEPA Method 8270D;
- Target Analyte List (TAL) Metals via USEPA Method 6010B/7470A;
- Polychlorinated Biphenyls (PCBs) via USEPA Method 8082; and
- Pesticides via USEPA 8081A.

Soil sample analytical results are discussed in Section 4.0.

3.3 MONITORING WELL INSTALLATION AND SAMPLING

The RI included the installation of two offsite monitoring wells, one downgradient monitoring well, installation of six temporary 1-inch wells, and the collection of one round of groundwater samples from newly-installed monitoring wells and temporary wells in order to characterize the groundwater at the Site. Monitoring well and temporary well locations are depicted on Figure 12.

Monitoring well MW-01 and MW-02 were installed in the western boundary of the Site, in order to evaluate potential offsite mitigation of contaminants (if present).

Monitoring well MW-03 was installed to evaluate groundwater conditions upgradient to the Site to aid in the evaluation of potential onsite migration of contaminants from an offsite source and support onsite characterization of groundwater.

GW-14 and GW-18 were installed to evaluate groundwater conditions downgradient of the former pump island and an abandoned in place USTs.

GW-26, GW-28 and GW-33 were installed to evaluate impacts to groundwater onsite (if present).

GW-29 was installed to evaluate potential onsite migration of contaminants from an offsite source and support the onsite characterization of groundwater.

Depth-to-groundwater measurements were collected from all three (3) permanent wells on November 21, 2016 by Integral. The wells were surveyed by a licensed land surveyor (Donald R. Stedge, PLS) on December 2, 2016. A groundwater contour map is included as Figure 3.

Methodology

MW-1, MW-2, and MW-3 were installed using a track mounted Geoprobe, outfitted with 4¼" hollow-stem auger attachments. All three (3) wells were installed to a depth of 15 ftbg, approximately 7' below the groundwater table, in order to collect samples in the shallow saturated zone and constructed of 2" diameter PVC riser with 10' of .020" slotted PVC screen. The screen interval straddles the groundwater interface. The annular space around the well was backfilled with No. 2 Morie quartz sand to a depth of 2' above the top of the well screen, followed by 2' of bentonite. The remainder of the annulus was backfilled with screened soil cuttings to approximately 6" below grade. A locking flush-mounted road box, set in a cement apron, was placed around the wells, and the wells were developed on November 14, 2016 to clear the sand pack. Well construction logs are included as Appendix B.

Six (6) temporary 1-inch wells were installed concurrent with six (6) onsite soil borings. Temporary wells were constructed of 1"diameter PVC riser with 10' of 0.020" slotted screen. The screened interval straddled the groundwater interface. The annular space around the well was backfilled with No. 2 Morie quartz sand to a depth of 2' above the top of the well screen. Following the installation of the temporary well, the well was purged with a 3/8"checkball until

purge water was clear or 8 gallons of water were removed from the sampling point. After the water was purged from the temporary wells, a groundwater sample was collected as described below.

Sampling of permanent monitoring wells took place one week following the development of MW-1, MW-2, and MW-3. All wells were purged prior to sampling in accordance with DER-10 requirements. Upon completion of purging, one (1) representative groundwater sample was collected from each well, using dedicated polyethylene tubing attached to a peristaltic pump capable of low flow control. Water quality indicators (pH, temperature, specific conductivity, and turbidity) were monitored every 3-5 minutes while purging. Groundwater samples were collected according to EPA's *Low Flow Purging and Sampling Procedures for the Collection of Groundwater Samples from Monitoring Wells* (Low Flow Procedures, January 2010). Monitoring well purge logs are included in Appendix B. Sampling protocol and QA/QC procedures were followed in accordance with the approved FSP (Appendix C) and QAPP (Appendix D).

Groundwater samples were pumped directly into laboratory-supplied sample bottles. Samples were sealed, labeled, and placed in a cooler and chilled to 4°C for transport under chain-of-custody procedures. Groundwater samples were submitted to Alpha Analytical Laboratory of Westborough, MA, NYSDOH ELAP #11148, via courier service, and analyzed for the following parameters:

- VOCs via USEPA Method 8260B;
- SVOCs via USEPA Method 8270D;
- TAL Metals via USEPA Method 6010B/7470A (filtered and unfiltered);
- PCBs via USEPA Method 8082 (only new wells); and
- Pesticides via USEPA 8081A (only new wells).

Groundwater sample analytical results are discussed in Section 4.0.

3.4 SOIL VAPOR POINT INSTALLATION AND SAMPLING

The RI included the installation of nine (9) temporary sub-slab soil vapor points, the collection of nine (9) sub-slab soil vapor samples, two (2) ambient air samples, and (1) indoor air sample for the purpose of further characterizing soil vapor and vapor intrusion at the Site. Integral collected the ambient air sample on November 8, 2016 and November 10, 2017. Viridian Environmental Field Services (Viridian) installed and sampled temporary sub-slab soil vapor points on November 9, 2016 and November 10, 2017.

Due to the presence of a tight clay layer beneath the sub-basement areas, the collection of soil vapor from SV-02 was not viable and the ending pressure for the collection of SV-01 was -17 inHg, resulting in sample dilution. NYSDEC was contacted regarding the aforementioned

sampling issues and on November 17, 2016 requested that indoor air samples be collected in both sub-basement areas. On November 22, 2016 one (1) indoor air sample was collected from each sub-basement area (IA3 and IA4), and the retail store area. Soil vapor and indoor air sample locations are depicted on Figure 12.

Temporary sub-slab soil vapor point SV-03 was installed downgradient of the Site on Lot 65's southwestern boundary to evaluate potential offsite migration of soil vapor west of the Site.

Temporary sub-slab soil vapor points SV-04 and SV-05 were installed along the upgradient Site boundaries to assess potential impacts coming from an offsite source(s).

Temporary sub-slab soil vapor point SV-06 was installed downgradient of the former Lot 60 and Lot 61 UST area to assess potential impacts to onsite soil vapor and provide site coverage.

Temporary sub-slab soil vapor points SV-11 and SV-12 were installed along the west/southwest property boundary of Lot 2 to assess potential impacts coming from an offsite adjacent source(s).

Temporary sub-slab soil vapor point SV-13 was installed downgradient of Lot 5 to assess potential impacts to onsite soil vapor and provide site coverage.

Methodology

Each soil vapor point was installed approximately 2" below the building or parking area slab using dedicated 1/8" Teflon tubing. The tubing was implanted into the hole and the annular space sealed with bentonite to prevent ambient air from entering the area around the point. Once the seal was secure, a "T" fitting and valve was connected on the above-surface end of the tubing. A syringe was used to purge the vapors in the probe and tubing of three volumes. As required by NYSDOH, a helium (He) tracer was used as part of the sampling process; all testing followed the NYSDOH Soil Vapor Guidance.[2] Prior to sample collection, the He vapor was screened using a field meter and the measurement recorded at each soil vapor sampling location. Prior to sample collection, a multi-gas meter was used to measure the concentration of O_2, CO_2, and CH_4 in each probe, to assess the persistence of hydrocarbon vapors. Following this procedure, each soil vapor sample was collected in clean, batch certified, two (2) liter Summa™ canisters at flow rates no greater than 200 ml/min.

Soil vapor samples were collected over a period of two (2) hours. Soil vapor samples were analyzed for VOCs via USEPA Method TO-15 at a NYSDOH ELAP-certified analytical laboratory.

[2] *Guidance for Evaluating Soil Vapor Intrusion in the State of New York, Final*. October 2006.

Indoor and Ambient Air Sample

In accordance with the NYSDOH *Guidance for Evaluating Soil Vapor Intrusion*, one (1) ambient air sample was collected prior to the collection of sub-slab soil vapor samples.[3] The background ambient air sample was collected in the empty parking along 11th Avenue.

Indoor air samples were collected from the vehicle return and retail areas within Lot 65, and both sub-basement areas (IA-1, IA-2, IA-3, and IA-4, respectively).

Indoor and background air samples were collected in six (6) liter, batch-certified clean SUMMA™ canisters attached to 8-hour flow controllers. Samples were collected in the breathing zone (approximately four (4) to six (6) feet above the floor) at flow rates no greater than 200 ml/min.

Sampling protocol and QA/QC procedures were followed in accordance with the approved FSP (Appendix C) and QAPP (Appendix D).

Soil vapor and indoor air samples were analyzed for VOCs via USEPA Method TO-15.

3.5 RIWP DEVIATIONS

A soil boring and permanent monitoring well, SB-13/MW-01, was initially proposed to be advanced offsite along 11th Avenue northwest of the Site; however, due to access limitations along 11th Avenue (aka the Westside Highway), the location was moved approximately ten (10) feet east and installed within the sidewalk along West 23rd Street.

A soil boring and permanent monitoring well, SB-19/MW-02, was initially proposed to be advanced offsite along 11th Avenue southwest of the Site; however, due to access limitations along 11th Avenue, the location was moved approximately five (5) feet east and installed within the boundary of Lot 5.

3.6 QUALITATIVE EXPOSURE ASSESMENT

As a Volunteer in the BCP, 23rd and 11th Associates, L.L.C. is responsible to do a qualitative exposure assessment (QEA) of offsite impacts pursuant to ECL §27-1415(2)(b). Offsite impacts were identified during the performance of the 2016 RI scope. In response, Integral prepared a QEA scope of work that was approved by NYSDEC on April 3, 2017. All QEA sampling locations are depicted on Figure 12.

The QEA included the advancement of two (2) soil borings (SB-31 and SB-32) and the installation of two (2) temporary 1-inch monitoring wells (GW-31 and GW-32) along West 23rd Street to further evaluate petroleum impacts found in RI sample locations SB-25/MW-03. The

[3] This limits interference from the soil vapor matrix.

QEA was competed on June 21, 2017 and was performed in accordance with the methodology described in Sections 3.2 and 3.3 of this Report. One soil sample was collected from above the water table and analyzed for TCL VOCs via USEPA Method 8260C and SVOCs via USEPA Method 8270D. If impacts were observed, an additional soil sample was collected from the highest impacted area and run for the same analysis. Two soil samples were collected from SB-32 and one soil sample was collected from SB-31. QEA soil sample results are discussed in Section 4.5.

Groundwater samples were collected from the two newly installed monitoring wells and MW-3 on June 23, 2017 following the methodology described in Section 3.3. Groundwater samples were analyzed for VOCs via USEPA Method 8260B and SVOCs via USEPA Method 8270C. QEA groundwater sample results are discussed in Section 4.5.

The QEA included the installation and sampling of two (2) temporary soil vapor points (SV-07 and SV-08) to further evaluate the PCE impacts located at RI sample location SV-04. On June 22, 2017 Viridian installed and sampled the temporary sub-slab soil vapor points following the methodology described in Section 3.4. The soil vapor samples were analyzed for VOCs via USEPA Method TO-15. QEA soil vapor results are discussed in Section 4.5.

3.7 INVESTIGATION DERIVED WASTE

Un-impacted soil from boreholes not converted to monitoring wells was returned to its original location within approximately 12 inches of the surface and then backfilled with clean fill and patched with concrete. Soil cuttings generated from boreholes converted to monitoring wells, along with purge water from the wells, was contained in 55-gallon drums. Drummed soil cuttings and purge water were characterized and disposed of offsite in accordance with federal, state and local regulations by AARCO on December 15, 2016.

3.8 HEALTH AND SAFETY PLAN (HASP)

All work at the Site was completed in accordance with the Health and Safety Plan (HASP) included as Appendix E.

3.9 QUALITY ASSURANCE / QUALITY CONTROL (QA/QC)

Samples collected during the RI were collected in accordance with the approved QAPP included as Appendix D.

A Data Usability Summary Report (DUSR) is being prepared by Integral's data management team for the purpose of data validation and will be included with the submission of the final

RIR. The DUSR, electronic data summary, and laboratory data packages will be included as Appendix F of the final RIR.

3.10 SUMMARY TABLE OF SAMPLING LOCATIONS

The proposed sampling and analysis table included as part of the RIWP has been updated to reflect sample location deviations discussed in Section 3.5 and is included as Table 11.

3.11 AIR MONITORING

During exterior soil boring and monitoring well installation, community air monitoring was conducted by locating a PID along the work zone perimeter (upwind and downwind) and continuously measuring ambient VOC concentrations. The PID was equipped with an audible alarm and capable of calculating 15-minute running average concentrations, which were compared to programmed action levels. The PID was calibrated at least once daily. Upwind VOC concentrations were measured at the start of each work day and periodically thereafter to establish background conditions. VOC concentrations were measured from the downwind station at a minimum of once every two hours.

4 REMEDIAL INVESTIGATION RESULTS

Section 4 presents the results and findings for work completed as part of the RI. This includes GPR, soil and groundwater sampling, and soil vapor, indoor air and ambient air sampling. Analytical results from the RI are summarized in Tables 12 through 23.

4.1 GPR

The GPR was not able to locate any USTs due to interference from reinforced concrete throughout the Site.

4.2 SOIL

A total of 43 soil samples (including 3 duplicates) were collected as part of this RI. Soil boring locations are depicted on Figure 12. PID readings were detected in seven (7) of the 43 samples and ranged from 1.3 ppm in sample SB-20[4-6] to 1076 ppm in sample SB-25[6-8]. The remaining 37 soil samples exhibited no PID readings. PID readings are included in the boring logs provided as Appendix B. Soil analytical results are detailed in Tables 12 -16.

4.2.2 Applicable Regulatory Standards for Soil

The results of the soil analysis were compared to the NYSDEC Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Restricted Residential Use Soil Cleanup Objectives. The Unrestricted Use SCOs are listed in 6 NYCRR Part 375-6.8(a); the restricted Residential SCOs are listed in 6 NYCRR Part 375-6.8(b). The Unrestricted Use SCOs are generally the NYSDEC's most conservative cleanup objectives and represent the concentration of a contaminant in soil which, when achieved at a site, will require no use restrictions on the site for the protection of public health, groundwater and ecological resources due to the presence of contaminants in the soil. The Restricted Residential SCOs are use-based criteria that are compatible with the surrounding area and take into account the future usage of the Site combined with the implementation of institutional and engineering controls.

4.2.3 Soil Results

4.2.3.1 VOCs

Acetone, a common laboratory contaminant, was detected in seven (7) of 43 soil samples at concentrations ranging from 0.054 mg/kg to 0.14 mg/kg, exceeded its Unrestricted SCO of 0.05 mg/kg.

Methylene chloride, another common laboratory contaminant, was detected in one (1) of 43 soil samples [SB-16(6-8)] at a concentration of 0.08 mg/kg, exceeding its Unrestricted SCO of 0.05 mg/kg.

Dedicated sampling equipment was used for soil sample collection, and neither acetone nor methylene chloride was detected in the associated QA/QC samples, suggesting possible laboratory contamination.

Concentrations of benzene, ethylbenzene, total xylenes, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenze exceeded their respective Restricted Residential SCOs in one (1) of 43 soil samples [SB-25 (6-8)].

4.2.3.2 SVOCs

Analytical results for SVOCs indicate that concentrations of various SVOCs exceeded their respective Unrestricted or Restricted Residential SCOs in 10 of 43 soil samples, with the majority of the exceedances occurring in shallow samples above the groundwater table. These samples are SB-14[3-5]; SB-19[5-7], SB-20[4-6]; SB-20[15-17], SB-22 [4-6]; SB-26[3-5]; SB-27[3-5]; SB-28[5-7]; SB-34[3-5] and SB-34[14-17].

Concentrations of 3-methylphenol/4-methylphenol exceeded its Unrestricted SCO of 0.33 mg/kg in 2 of 43 soil samples: SB-20[15-17] and SB-36[14-17]

Concentrations of fluoranthene exceeded its Restricted Residential SCO of 100 mg/kg at SB-28 [5-7].

Concentrations of benzo(k)fluoranthene and chrysene exceeded their Restricted Residential SCO of 3.9 mg/kg in five (5) of the above referenced soil samples with two (2) samples, SB-22[4-6] and SB-34[3-5], exceeding the Unrestricted SCO for benzo(k)fluoranthene and chrysene (0.8 mg/kg and 1 mg/kg, respectively).

Eight (8) of the above-referenced soil samples contained concentrations of indeno(1,2,3-cd)pyrene in excess of its Restricted Residential SCO of 0.5 mg/kg.

Six (6) of the above-referenced soil samples exceeded the Restricted Residential SCOs for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenzo(a,h)anthracene (1 mg/kg, 1 mg/kg, 1 mg/kg, and 0.5 mg/kg, respectively).

SVOC exceedances for Unrestricted SCOs in soil samples for lots 5, 60, 61 and 65 are depicted on Figure 13. SVOC exceedances for Restricted Residential SCOs in soil samples for lots 5, 60, 61 and 65 are depicted on Figure 14. Metal exceedances for Unrestricted and Restricted SCOs in soil samples for lot 2 are depicted in on Figure 15.

4.2.3.3 Metals

Unrestricted SCOs

Lead was detected at concentrations ranging from 65 mg/kg to 2225 mg/kg in 20 of 43 soil samples, exceeding its Unrestricted SCO of 63 mg/kg.

Mercury was detected at concentrations ranging from 0.18 mg/kg to 0.72 mg/kg in 15 of 43 soil samples, exceeding its Unrestricted SCO of 0.18 mg/kg.

Copper was detected at concentrations ranging from 58 mg/kg to 140 mg/kg in 4 of the 43 soil samples, exceeding its Unrestricted SCO of 50 mg/kg.

Zinc was detected at concentrations ranging from 110 mg/kg to 140 mg/kg in 3 of the 43 soil samples, exceeding its Unrestricted SCO of 109 mg/kg.

Arsenic was detected at 14 mg/kg in sample SB-27[3-5], exceeding its Unrestricted SCO of 13 mg/kg.

Restricted Residential SCOs

Lead was detected at concentrations ranging from 550 mg/kg to 750 mg/kg in 3 of 43 soil samples, exceeding its Restricted Residential SCO of 400 mg/kg.

Mercury was detected at concentrations ranging from 0.87 mg/kg to 2.7 mg/kg in 6 of 43 soil samples, exceeding its Restricted Residential SCO of .81 mg/kg.

Arsenic was detected at concentrations ranging from 16 mg/kg to 25.4 mg/kg in 4 of 43 soil samples, exceeding its Restricted Residential SCO of 16 mg/kg.

Soil throughout the Site was found to contain a variety of metals in addition to the ones discussed above, including: aluminum, antimony, barium, beryllium, cadmium, calcium, chromium, cobalt, iron, magnesium, manganese, nickel, potassium, selenium, silver, sodium, thallium, vanadium and zinc. Metal concentrations in Site soils are consistent with the presence of historic fill material.

Metal exceedances for Unrestricted SCOs in soil samples for lots 5, 60, 61 and 65 are depicted on Figure 13. Metal exceedances for Restricted Residential SCOs in soil samples for lots 5, 60, 61 and 65 are depicted on Figure 14. Metal exceedances for Unrestricted and Restricted SCOs in soil samples for lot 2 are depicted in on Figure 15.

4.2.3.4 PCBs

PCBs were detected at concentrations well below their respective Restricted Residential SCOs in 1 of 43 samples; SB-38[14-17].

4.2.3.5 Pesticides

4,4'-DDD was detected at concentrations ranging from 0.00441 mg/kg to 0.00953 mg/kg in two (2) of 43 soil samples, exceeding its Unrestricted SCO of 0.0033 mg/kg.

4,4'-DDT was detected at concentrations ranging from 0.00346 mg/kg to 0.00919 mg/kg in two (2) of 43 soil samples, exceeding its Unrestricted SCO of 0.0033 mg/kg.

No pesticide concentrations were detected exceeding Restricted Residential SCOs.

4.3 GROUNDWATER

Nine (9) groundwater samples and one (1) duplicate sample were collected as part of the RI. Monitoring well and temporary well locations are depicted on Figure 12. All groundwater samples were analyzed for VOCs, SVOCs, PCBs, pesticides, and filtered and unfiltered metals. Groundwater analytical results are detailed in Tables 17-21.

4.3.1 Applicable Regulatory Standards for Groundwater

The results of the groundwater analysis were compared to New York State Division of Water Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards (AWQSs) and Guidance Values and Groundwater Effluent Limitations. TOGS standards and guidance values are ambient water quality values that are set to protect the state's waters.

4.3.2 Groundwater Results

4.3.2.1 VOCs

Concentrations of petroleum related VOCs (benzene, toluene, ethylbenzene, m/p-xylene, o-xylene, isopropylbenze, naphthalene, n-propylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenzene, and 1,2,4,5-tetramethylbenzne) exceeded TOGS AWQSs in one (1) of nine (9) groundwater samples: GW-25 and its associated duplicate, both collected from monitoring well MW-3. Groundwater sample results for VOCs are depicted on Figure 16.

4.3.2.2 SVOCs

Concentrations of phenol and naphthalene exceeded TOGS AWQS in one (1) of eight (8) groundwater samples: GW-25 and its associated duplicate, both collected from monitoring well MW-3.

Benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene exceeded their TOGS AWQS of 0.002 µg/L at GW-19, GW-26, GW-28 and GW-33. Benzo(k)fluoranthene exceeded its TOGS AWQS of 0.002 µg/L at GW-19 and GW-28. The concentrations at each of these locations were very low and are likely biased high due to the presence of sediment entrapped in the groundwater samples. Due to the nature of the soil strata (very fine), turbidity below 10 NTUs was not achieved when collecting the groundwater samples. Groundwater sample results for SVOCs are depicted on Figure 16.

4.3.2.3 Metals

Groundwater throughout the Site was found to contain a variety of total metals, the following of which exceeded TOGS AWQS in one or more samples: antimony, arsenic, barium, beryllium, chromium, copper, iron, lead, magnesium, manganese, mercury, nickel, sodium, thallium, and zinc.

Analysis for dissolved metals, however, detected only antimony, arsenic, barium, iron, lead, magnesium, manganese, and sodium at concentrations that exceeded TOGS AWQS. A dissolved metals analysis of groundwater is performed by removing the particulates found in the sample with a filter, then analyzing the filtered water for metals. Sediment particulates can result in an erroneous detection of metal concentrations.

4.3.2.4 PCBs

Aroclor 1242 was detected at .059 ug/l, below its TOGS AWQS of .09 ug/l in groundwater sample GW-33.

4.3.2.5 Pesticides

No pesticides were detected in any of the samples collected.

4.4 SOIL VAPOR

Eight (8) soil vapor samples, one (1) duplicate sample, two (2) ambient air sample, and four (4) indoor air samples were collected as part of the RI. Soil vapor sample locations are depicted on Figure 12. Soil vapor and indoor air analytical results are summarized in Tables 22 and 23.

4.4.1 Applicable Regulatory Standards

Soil vapor sample results were compared to NYSDOH Soil Vapor/Indoor Air Matrix 1 and 2 found in the *Guidance for Evaluating Soil Vapor Intrusion in New York State* (NYSDOH 2006) and the NYSDOH Memorandum dated June 25, 2007, which added three additional VOCs to the soil vapor/indoor air decision matrix. The NYSDOH Matrices are used for evaluating human health risk and are based on the relationship between sub-slab soil vapor concentrations and corresponding indoor air concentrations. These matrices are risk management tools, developed by the NYSDOH in conjunction with other agencies, to provide guidance on case-by-case basis regarding actions that should be taken to address current and potential exposures related to soil vapor intrusion. The matrices are intended to be used when evaluating the results from buildings with full slab foundations.

Comparing soil vapor sampling results to the sub-slab vapor concentration range column of the NYSDOH Matrix (Matrix 1 for TCE and Matrix 2 for PCE), allows a comparison to be made relevant to the adjacent lots in order to evaluate the probability of offsite indoor air impacts.

Indoor air sampling results were compared to NYSDOH Indoor Air Guidance Values (AGVs).

In addition to the NYSDOH AGVs, soil vapor and indoor air results were compared to the following known background databases that are referenced in the 2006 NYSDOH guidance:

- NYSDOH 2003, *Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes*
- EPA 2001, *Building Assessment and Survey Evaluation (BASE) Database*
- Health Effects Institute (HEI) 2005, *Relationship of Indoor, Outdoor, and Personal Air (RIOPA)*.

Chemical compounds were highlighted as an exceedance if their concentration exceeded the highest value of the above-referenced background databases.

4.4.2 Soil Vapor Results

Laboratory analysis of soil vapor showed PCE to be present in one (1) soil vapor sample, SV-04, at a concentration of 173 $\mu g/m^3$. TCE was not detected in any of the soil vapor samples. A comparison of PCE concentrations in soil vapor sample SV-04 to PCE concentrations in indoor air with Matrix 2 indicates that monitoring may be needed to minimize current or potential exposures.

Concentrations of petroleum products were detected in all eight (8) soil vapor samples, including the duplicate. Although petroleum constituents are not included in the NYSDOH Matrices for evaluating soil vapor intrusion they were compared to the background databases described in Section 4.4.1. Of the eight (8) soil vapor samples collected, SV-05 (and its duplicate) was the only sample that did not contain concentrations of VOCs that exceeded the highest background value.

Concentrations of 1,2,4-trimethylbenze exceeded the highest background database value of 9.5 μg/m^3 at three (3) of eight (8) soil vapor samples, with the highest concentration of 1370 μg/m^3 at SV-06.

Concentrations of 1,2-Dichloroethane exceeded the highest background database value of 0.9 μg/m^3 at three (3) of eight (8) soil vapor samples, with the highest concentration of 6.75 μg/m^3 at SV-11.

1,3,5-Trimethylbenze was detected at concentrations ranging from 52.1 μg/m^3 to 954 μg/m^3 in two (2) soil vapor samples, exceeding its highest background database value of 3.9 μg/m^3.

4-Ethyltoluene was detected at concentrations ranging from 23.8 μg/m^3 to 346 μg/m^3 in two (2) soil vapor samples, exceeding its highest background database value of 3.6 μg/m^3.

Benzene exceeded the highest background database value of 13 μg/m^3 at SV-01 at a concentration of 84.7 μg/m^3.

Chloroethane exceeded the highest background database value of 1.1 μg/m^3 at SV-11 at a concentration of 1.16 μg/m^3.

Ethylbenzene was detected at concentrations ranging from 87.7 μg/m^3 to 486 μg/m^3 in two (2) soil vapor samples (SV-1 and SV-6, respectively), exceeding its highest background database value of 7.62 μg/m^3.

P/M-xylene was detected at concentrations ranging from 569 μg/m^3 to 2890 μg/m^3 in two (2) soil vapor samples (SV-1 and SV-6, respectively), exceeding its highest background database value of 22.2 μg/m^3.

Toluene was detected at concentrations ranging from 99.5 μg/m^3 to 407 μg/m^3 in two (2) soil vapor samples (SV-1 and SV-6, respectively), exceeding its highest background database value of 43 μg/m^3.

Tetrahydrofuran exceeded the highest background database value of .8 μg/m^3 at SV-11 at a concentration of 1.18 μg/m^3.

The presence of petroleum compounds in soil vapor is likely attributable to historical Site operations.

4.4.3 Indoor Air Results

On November 8, 2016 indoor air sample IA-1 was collected by error within the vehicle return area (open to outside air) and was tampered with during collection; therefore, it does not represent a viable indoor air sample and has not been included in the data analysis for this

investigation. As a result, IA-1 was collected the next day within the commercial retail space, the location at which it was intended to be collected. No VOCs were detected in indoor air exceeding AGVs or background levels other than cyclohexane and chloroform, which exceeded the highest background level in IA-3 and IA-4, respectively.

4.5 QUALITATIVE EXPOSURE ASSESSMENT RESULTS

4.5.1 Soil Results

4.5.1.1 VOCs

Ethylbenzene, total xylene, 1,3,5-trimethylbenze, and 1,2,4-trimethylbenzene exceeded their respective Restricted Residential SCO in one of three soil samples (SB-32 [4-5]) collected for the QEA.

4.5.1.2 SVOCs

No SVOC concentrations were detected exceeding Restricted Residential SCOs.

4.5.2 Groundwater Results

4.5.2.1 VOCs

Concentrations of petroleum related VOCs (benzene, toluene, ethylbenzene, xylene, isopropylbenzene, naphthalene, n-propylbenzene, 1,3,5-trimethylbenzene, 1,2,4-trimethylbenze, and 1,2,4,5-tetramethylbenze) exceeded TOGS AWQS in two of the three groundwater samples (GW-32 and MW-3[GW-25]). Additionally, n-butylbenzene and sec-butylbenzene exceeded their respected TOGS AWQS in GW-32.

4.5.3 Soil Vapor Results

Laboratory analysis of soil vapor showed PCE to be present in the two (2) soil vapor samples, including the duplicate, with a concentration of 111 $\mu g/m^3$ at SV-07 and a concentration of 238 $\mu g/m^3$ at SV-08. A comparison of PCE concentration in both samples to PCE concentrations in indoor air with Matrix 2 indicates that monitoring may be needed to minimize current or potential exposures.

Laboratory analysis also showed TCE to be present in one (1) of the soil vapor samples, SV-08, with a concentration of 2.91 $\mu g/m^3$. A comparison of TCE concentration in indoor air with Matrix 1 indications that no further action is required.

Concentrations of VOC compounds (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 4-methyl-2-pentanone, carbon disulfide, ethyl acetate, ethylbenzene, and o-xylene) were detected in the two soil vapor samples, including the duplicate, exceeded the highest background value described in Section 4.4.1. Additionally, concentrations of 1,1,1-trichloroethane, 1,1-dichloroethane, 1,3-butadiene, 2,2,4-trimethylpentane, 4-ethyltoluene, acetone, benzene, cyclohexane, n-hexane, p/m-xylene, and toluene ex the highest background value for SV-08 while chloroform exceeded its highest background value for SV-07 and its duplicate.

5 QUALITATIVE EXPOSURE ASSESSMENT

A QEA has been completed in accordance with Section 3.3(c)4 of DER-10 and the NYSDOH guidance for performing a qualitative EA (NYSDEC DER-10,Technical Guidance for Site Investigation and Remediation, Appendix 3 B).

The objectives of the QEA are to evaluate and document how humans might be exposed to Site-related contaminants and to assess whether there are complete or potentially complete exposure pathways now and under the reasonably anticipated future land use(s) of the Site.

An exposure pathway describes the means by which an individual may be exposed to contaminants originating from a site. An exposure pathway has five elements: (1) a contaminant source; (2) contaminant release and transport mechanisms to an exposed population; (3) a receptor population; (4) a route of exposure; and (5) a point of exposure to a receptor population. The following sections discuss the potential exposure pathways to chlorinated solvents and petroleum at the Site. A table describing the environmental media, potential exposure routes and a human exposure assessment is included at the end of this section.

5.1 CONTAMINANT SOURCES

The contaminants of concern at the Site for this RI include petroleum related VOCs, SVOCs, and metals.

PCE and TCE were detected in one (1) soil vapor sample collected along the eastern boundary of the Site. No sources of PCE were found onsite and historical operations at the Site are not indicative of chlorinated solvent usage.

While no petroleum related VOCs were detected in soil or groundwater collected from onsite RI samples, previous investigations indicate petroleum impacts are present in both media proximal to areas of former petroleum storage.

SVOCs and metals were detected in soils and groundwater throughout the Site and are consistent with the presence of historic fill material.

5.2 CONTAMINANT RELEASE AND TRANSPORT MECHANISMS

The source of SVOCs and metals contaminants is historic fill, with historic Site operations likely contributing to the petroleum concentrations in both soil and groundwater.

5.3 POTENTIAL RECEPTOR POPULATIONS

The potential onsite receptors include Site workers (primarily environmental professionals and contractors), construction workers, visitors and trespassers. Future potential onsite receptors include residents, their visitors and building workers. The potential offsite receptors include offsite workers and offsite residents.

5.4 POTENTIAL ROUTES AND POINTS OF EXPOSURE

Dermal contact and inhalation of VOCs, SVOCs and metals in soil is expected to be limited to construction workers performing excavation at the Site. The Site is currently covered with an asphalt or concrete cap.

Concentrations of VOCs (from previous investigations), SVOCs and metals were detected above TOGS AWQSs, which were developed to be protective of public health based upon groundwater as a potential drinking water source. While concentrations SVOCs and metals exceed TOGS AWQSs, exposure to contaminants via drinking water is not applicable to the Site given the depth to water and the fact that the Site and surrounding community are supplied by New York City's municipal water system.

Dermal and inhalation exposure to VOCs in groundwater is not expected.

There is little potential for volatilization of chlorinated solvents to migrate into ambient air, as the entire Site is capped with an asphalt or concrete slab. Ambient and indoor air was tested November 2016, and no evidence of elevated chlorinated solvents was detected.

The proposed redevelopment of the Site includes the excavation of the entire parcel footprint to a depth approximately 5 feet below the groundwater table. Excavation of this entire volume of material will remove onsite soil sources (if present) and excavation below to groundwater table will eliminate the risk of soil vapor intrusion into the new building. The development will also incorporate, as additional measures, engineering controls (i.e., vapor barrier and composite cover system) to protect against additional offsite sources that may exist in the area.

5.5 SUMMARY OF QUALITATIVE EXPOSURE ASSESSMENT

The table below summarizes the environmental media and potential exposure routes and presents a human exposure assessment for each.

Potential Exposure Route	Human Exposure Assessment	
	Current Occupants	Future Occupants
Dermal contact with soil/ Inhalation of dust	• The entire Site is capped preventing dermal contact to subsurface soils. Inhalation of dust is mitigated by the cap and fresh air exchanges provided by large garage door openings that remain open while the building is occupied	• Future exposure during construction will be avoided by having workers conducting subsurface work be properly trained and completing this work using procedures specified in a HASP.
Ingestion of groundwater	• Groundwater is not used as a potable source for the Site or surrounding community.	• Groundwater is not used as a potable source for the Site or surrounding community.
Dermal contact with groundwater/ Inhalation of volatile groundwater constituents	• The entire Site is capped preventing dermal contact with groundwater. Inhalation of constituents in groundwater is mitigated by the cap and fresh air exchanges provided by large garage door openings that remain open while the building is occupied	• Future exposure would be avoided by having environmental professionals sampling groundwater adhere to a HASP.

Potential Exposure Route	Human Exposure Assessment	
	Current Occupants	Future Occupants
Inhalation of vapors	• Elevated levels are currently present onsite for two constituents (cyclohexane and chloroform) that were detected in soil vapor and within indoor air (indoor air concentrations exceeded background levels).	• Exposure of future building residents and workers to volatile constituents in indoor air will be addressed via engineering controls

6 CONCLUSIONS

6.1 SOIL

The results of the RI and previous investigations indicate the presence of SVOC and metal concentrations in Site soils consistent with historic fill. No petroleum related impacts were found in soil samples collected from RI borings advanced onsite and proximal to former or current onsite tanks; however, previous investigations indicate that petroleum impacts may be present in areas of former petroleum storage. The results of the RI do not indicate significant issues or potential releases from the former Site operations.

Petroleum related VOC impacts exceeding Restricted Residential SCOs were detected in one (1) offsite soil sample collected upgradient of the Site [SB-25 (6-8')]. SB-25 was advanced proximal to the former UST and AST area located onsite on Lots 60 and 61 and directly adjacent to the portion of this area located on eastern adjacent Lot 58. Offsite upgradient petroleum impacts were investigated as part of the QEA discussed in Sections 3.6 and 4.5 of this Report.

Current redevelopment plans for the Site include excavation and removal of soil and fill material within the Site boundary (to the extent practicable) to a depth of approximately 16 feet below grade. Excavation of Site soils will address onsite sources contributing to compound exceedances in excess of SCOs in order to achieve the preferred remedial Track, which has yet to be determined.

6.2 GROUNDWATER

Groundwater results from samples collected onsite as part of the RI indicate minor exceedences of TOGS AWQSs for SVOCs and exceedences for naturally occurring dissolved metals. Previous investigations have indicated that groundwater collected in the vicinity of former tank areas is impacted by petroleum related VOCs; this investigation did not find evidence of onsite petroleum impacts to groundwater. Low level concentrations of SVOCs found in onsite groundwater are likely the result of sediment entrapped in the groundwater; as previously stated, turbidity below 10 NTU was not achieved during groundwater sampling due to the fine nature of the soil strata. Groundwater samples that have SVOC exceedances coincided with soil exceedances above the Restricted Residential SCOs.

Petroleum impacts above TOGS AWQS were detected in groundwater sample GW-25 collected from offsite upgradient monitoring well MW-3. MW-3 was installed concurrent with soil boring SB-25, where petroleum impacts to soil were also found. MW-3 was installed directly adjacent to the former UST and AST area present on Site Lots 60 and 61 and offsite eastern adjacent Lot 58. Offsite upgradient petroleum impacts were investigated as part of the QEA discussed in Sections 3.6 and 4.5 of this Report.

Excavation of the Site into and below the groundwater table will eliminate onsite soil sources that would contribute to groundwater contamination.

6.3 SOIL VAPOR

Soil vapor results indicate the presence of elevated concentrations of petroleum compounds in all eight (8) soil vapor samples, including the duplicate and PCE in one sample collected along the southwest Site boundary. No sources of PCE were found onsite, and historical operations at the Site are not indicative of chlorinated solvent usage. PCE was not detected in groundwater and was not detected at concentrations exceeding UUSCOs in Site soils. The presence of petroleum compounds in soil vapor is likely attributable to historical Site operations.

Excavation of the Site into and below the groundwater table will eliminate onsite soil sources of soil vapor contamination. As an additional measure, engineering controls (a vapor barrier) will be installed as part of new construction in order to protect against potential offsite sources that may exist in the area.

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FIGURES

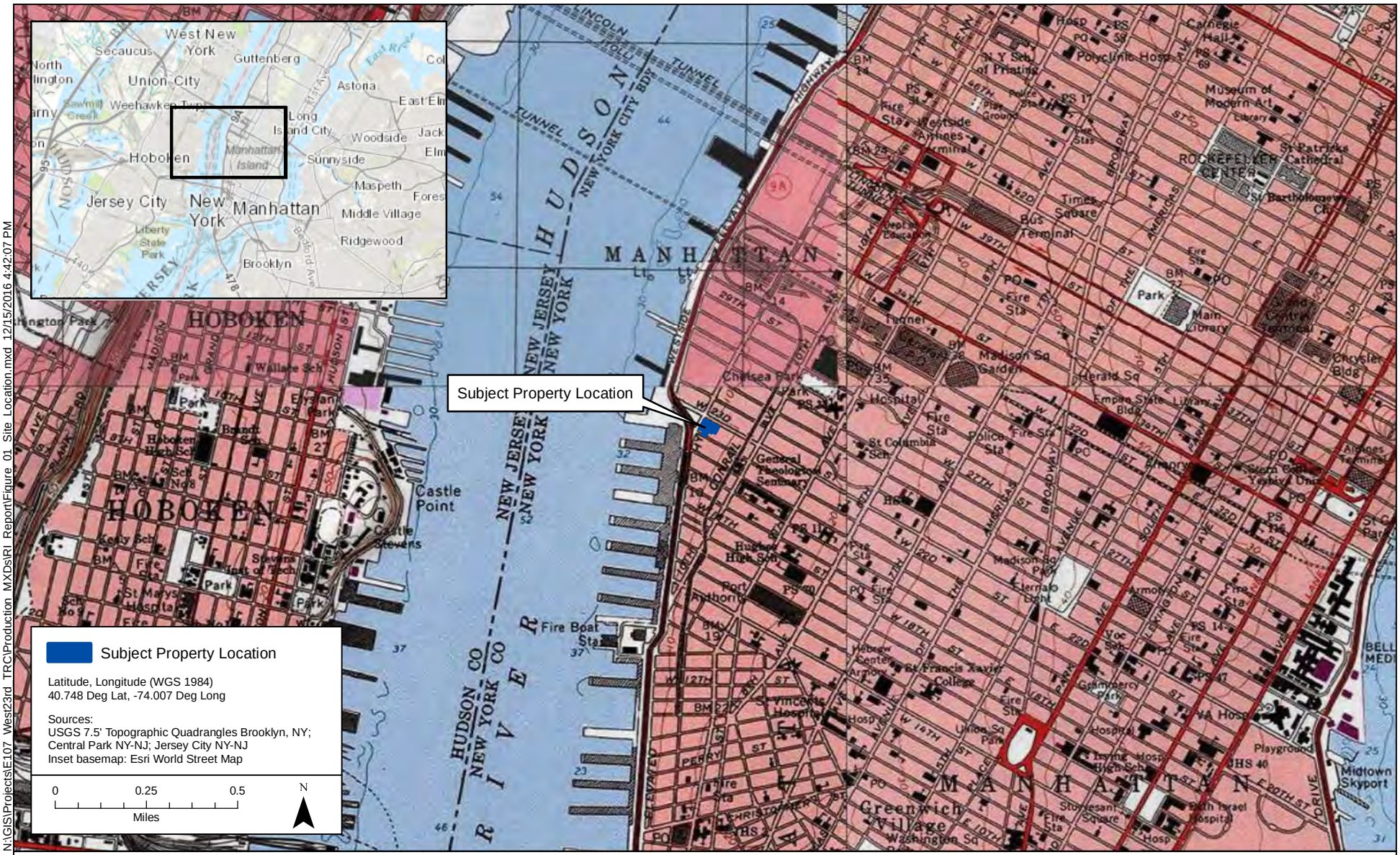

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Figure 1.
Site Location Map
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011

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Figure 2.
Site Plan
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011

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Note: Groundwater elevations are feet below mean sea level.

Figure 3.
Groundwater Contour Map
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011

GP-1	
5/15/2001	**8 ft**
Volatile Organics	**mg/kg**
Benzene	ND
Ethylbenzene	ND
n-Propylbenzene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
1,2,4-Trimethylbenzene	ND
Toluene	ND
Semivolatile Organics	
Benzo(k)fluoranthene	ND

GP-3	
5/15/2001	**8 ft**
Volatile Organics	**mg/kg**
Benzene	ND
Ethylbenzene	ND
n-Propylbenzene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
1,2,4-Trimethylbenzene	ND
Toluene	ND
Semivolatile Organics	
Benzo(k)fluoranthene	ND

GP-2	
5/15/2001	**8 ft**
Volatile Organics	**mg/kg**
Benzene	ND
Ethylbenzene	ND
n-Propylbenzene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
1,2,4-Trimethylbenzene	ND
Toluene	ND
Semivolatile Organics	
Benzo(k)fluoranthene	ND

GP-4	
5/15/2001	**8 ft**
Volatile Organics	**mg/kg**
Benzene	ND
Ethylbenzene	ND
n-Propylbenzene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
1,2,4-Trimethylbenzene	ND
Toluene	ND
Semivolatile Organics	
Benzo(k)fluoranthene	ND

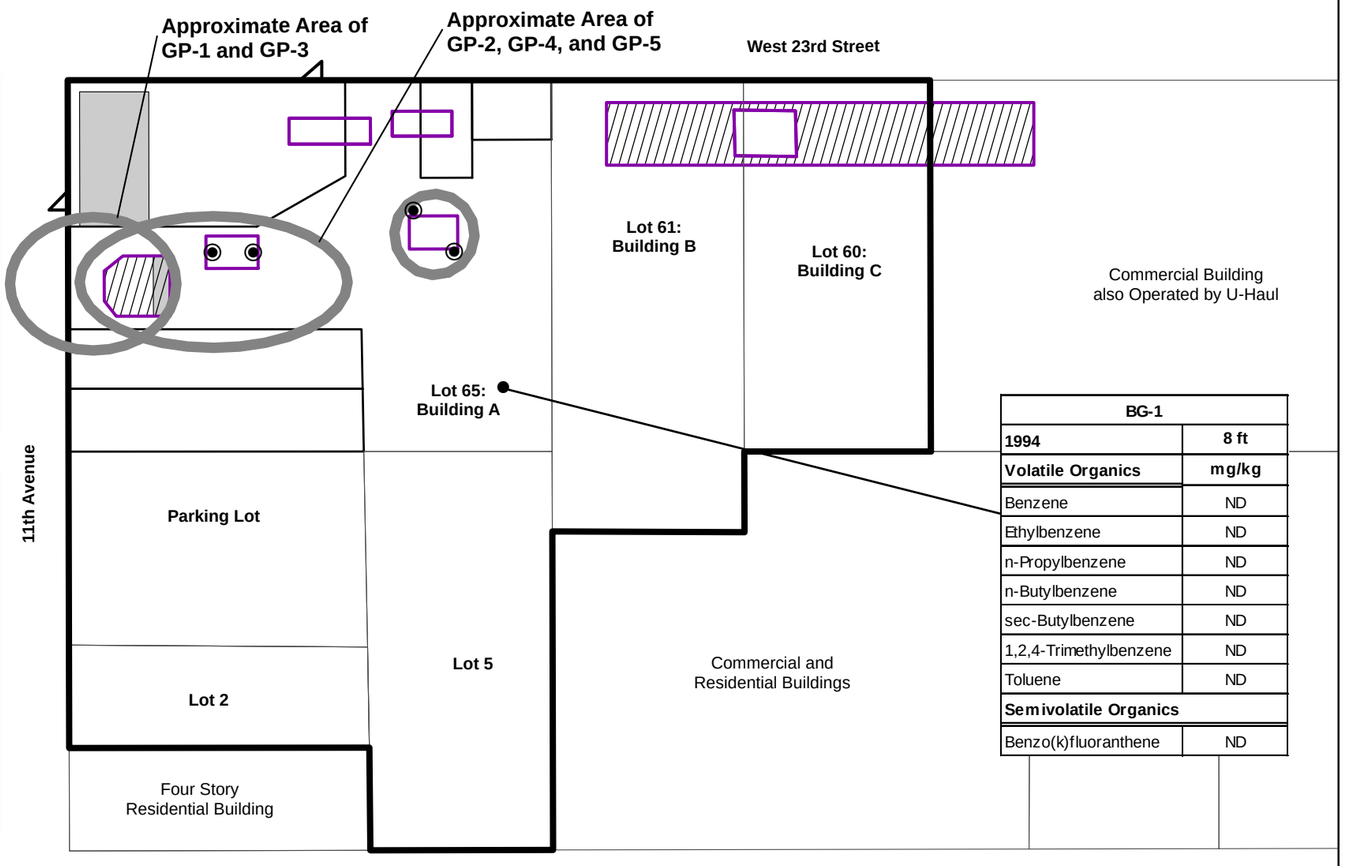
GP-5	
5/15/2001	**8 ft**
Volatile Organics	**mg/kg**
Benzene	ND
Ethylbenzene	0.782
n-Propylbenzene	ND
n-Butylbenzene	0.533
sec-Butylbenzene	0.708
1,2,4-Trimethylbenzene	ND
Toluene	***0.947***
Semivolatile Organics	
Benzo(k)fluoranthene	ND

B-1	
1994	**8 ft**
Volatile Organics	**mg/kg**
Benzene	ND
Ethylbenzene	ND
n-Propylbenzene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
1,2,4-Trimethylbenzene	ND
Toluene	ND
Semivolatile Organics	
Benzo(k)fluoranthene	ND

B-2	
1994	**8 ft**
Volatile Organics	**mg/kg**
Benzene	0.0011
Ethylbenzene	0.0016
n-Propylbenzene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
1,2,4-Trimethylbenzene	0.0009
Toluene	ND
Semivolatile Organics	
Benzo(k)fluoranthene	ND

B-3	
1994	**8 ft**
Volatile Organics	**mg/kg**
Benzene	ND
Ethylbenzene	ND
n-Propylbenzene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
1,2,4-Trimethylbenzene	ND
Toluene	ND
Semivolatile Organics	
Benzo(k)fluoranthene	***1.8***

B-4	
1994	**8 ft**
Volatile Organics	**mg/kg**
Benzene	***0.2***
Ethylbenzene	***9.9***
n-Propylbenzene	***10***
n-Butylbenzene	***19***
sec-Butylbenzene	***15***
1,2,4-Trimethylbenzene	***16***
Toluene	***1.5***
Semivolatile Organics	
Benzo(k)fluoranthene	ND



BG-1	
1994	**8 ft**
Volatile Organics	**mg/kg**
Benzene	ND
Ethylbenzene	ND
n-Propylbenzene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
1,2,4-Trimethylbenzene	ND
Toluene	ND
Semivolatile Organics	
Benzo(k)fluoranthene	ND

- Soil Boring Location
- Soil Boring Location (see Note 8)
- Closed in Place UST/AST Area
- Removed UST/AST Area
- Subject Property Location

Sample ID		
Date	****NY-RESRR**	***NY-UNRES**
Depth		
Analyte	**mg/kg**	**mg/kg**
Volatile Organics		
Benzene	4.8	0.06
Ethylbenzene	41	1
n-Propylbenzene	100	3.9
n-Butylbenzene	100	12
sec-Butylbenzene	100	11
1,2,4-Trimethylbenzene	52	3.6
Toluene	100	0.7
Semivolatile Organics		
Benzo(k)fluoranthene	3.9	0.8

Notes:
1. **Bold** and *Italicized* value indicates concentration exceeds Unrestricted SCOs
2. **Bold** and shaded value indicates concentration exceeds Restricted-Residential SCOs
3. All results in mg/kg
4. ND = Not Detected
5. * = 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs
6. ** = 6 NYCRR Part 375-6.8(b) Restricted Residential Use SCOs
7. All results are in mg/kg
8. Soil boring locations B-1 through B-4; locations are approximate and individual Sample IDs are unknown
9. Results from Boring Report, American Hi-Tech, Inc., 1994; and Site Investigation Report, ATC Associates Inc., 2001

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Figure 4.
Historical Soil Sample Results - VOCs and SVOCs,
1994 Boring Report and 2001 Site Investigation Report
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011

Fill Lines	
Apr-97	**mg/kg**
Volatile Organics	
Benzene	***1.01***
Methyl tert butyl ether	***7.56***
Napthalene	***17.8***
Toluene	***5.28***
1,2,4-Trimethylbenzene	**148**
1,3,5-Trimethylbenzene	**69.8**
Total Xylenes	**142.3**
Semivolatile Organics	
Benzo(a)anthracene	0.564
Benzo(a)pyrene	0.844
Benzo(b)fluoranthene	0.88
Indeno(1,2,3-cd)pyrene	**0.578**
Chrysene	0.57

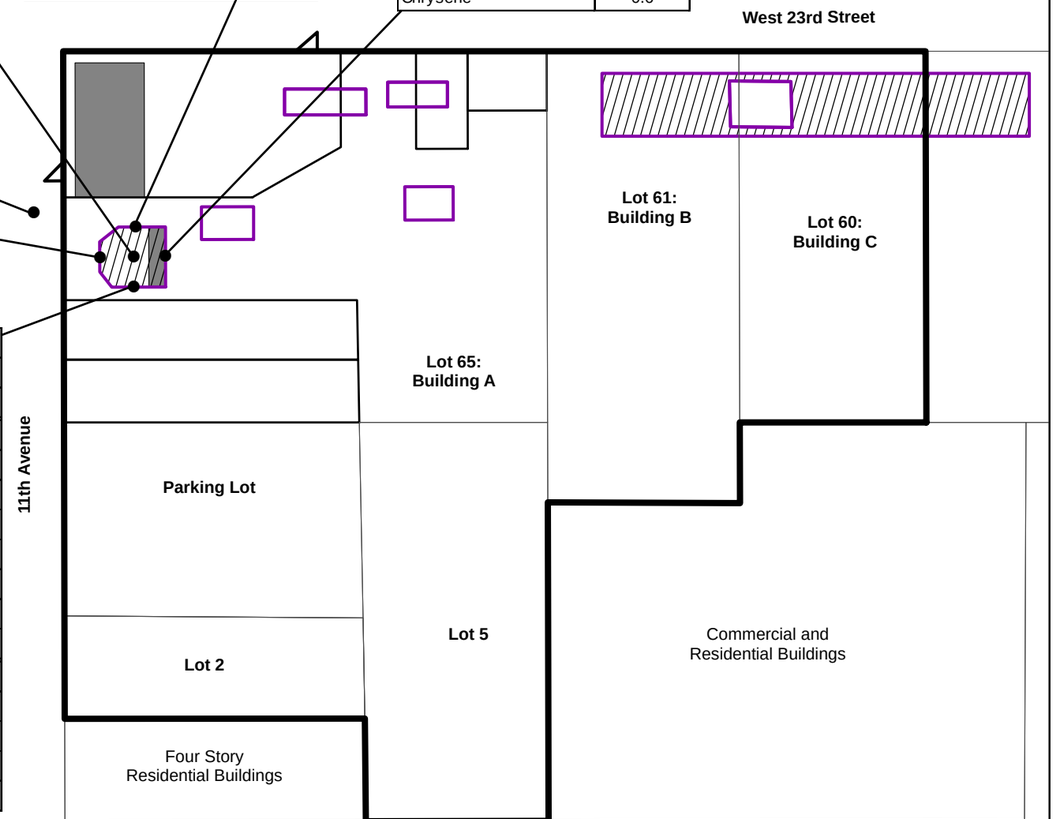
Bottom	
Apr-97	**mg/kg**
Volatile Organics	
Benzene	ND
Methyl tert butyl ether	0.043
Napthalene	0.251
Toluene	ND
1,2,4-Trimethylbenzene	0.0222
1,3,5-Trimethylbenzene	0.0077
Total Xylenes	0.0206
Semivolatile Organics	
Benzo(a)anthracene	0.63
Benzo(a)pyrene	0.898
Benzo(b)fluoranthene	0.955
Indeno(1,2,3-cd)pyrene	0.439
Chrysene	0.603

North	
Apr-97	**mg/kg**
Volatile Organics	
Benzene	ND
Methyl tert butyl ether	0.0057
Napthalene	ND
Toluene	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
Total Xylenes	ND
Semivolatile Organics	
Benzo(a)anthracene	0.499
Benzo(a)pyrene	0.612
Benzo(b)fluoranthene	0.628
Indeno(1,2,3-cd)pyrene	0.332
Chrysene	0.479

East	
Apr-97	**mg/kg**
Volatile Organics	
Benzene	ND
Methyl tert butyl ether	ND
Napthalene	ND
Toluene	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
Total Xylenes	ND
Semivolatile Organics	
Benzo(a)anthracene	0.647
Benzo(a)pyrene	0.822
Benzo(b)fluoranthene	0.925
Indeno(1,2,3-cd)pyrene	0.423
Chrysene	0.6

West	
Apr-97	**mg/kg**
Volatile Organics	
Benzene	ND
Methyl tert butyl ether	0.0073
Napthalene	ND
Toluene	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
Total Xylenes	ND
Semivolatile Organics	
Benzo(a)anthracene	0.726
Benzo(a)pyrene	0.903
Benzo(b)fluoranthene	1
Indeno(1,2,3-cd)pyrene	0.436
Chrysene	0.618

South	
Apr-97	**mg/kg**
Volatile Organics	
Benzene	ND
Methyl tert butyl ether	0.0116
Napthalene	ND
Toluene	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
Total Xylenes	ND
Semivolatile Organics	
Benzo(a)anthracene	**1.15**
Benzo(a)pyrene	**1.32**
Benzo(b)fluoranthene	**1.33**
Indeno(1,2,3-cd)pyrene	**0.653**
Chrysene	***1.01***



- Soil Boring Location
- Closed in Place UST/AST Area
- Removed UST/AST Area
- Subject Property Location

Sample ID		
	****NY-RESRR**	***NY-UNRES**
Date		
Analyte	**mg/kg**	**mg/kg**
Volatile Organics		
Benzene	4.8	0.06
Methyl tert butyl ether	100	0.93
Napthalene	100	12
Toluene	100	0.7
1,2,4-Trimethylbenzene	52	3.6
1,3,5-Trimethylbenzene	52	8.4
Total Xylenes	100	0.93
Semivolatile Organics		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Indeno(1,2,3-cd)pyrene	0.5	0.5
Chrysene	3.9	1

Notes:
1. **Bold** and *Italicized* value indicates concentration exceeds Unrestricted SCOs
2. **Bold** and shaded value indicates concentration exceeds Restricted-Residential SCOs
3. J = Estimated value
4. ND = Not Detected
5. * = 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs
6. ** = 6 NYCRR Part 375-6.8(b) Restricted Residential Use SCOs
7. All results are in mg/kg
8. Results from Closure Report for the Excavation of the Underground Storage Tanks, Tyree Brothers Environmental Services, Inc., 1997

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Figure 5.
Historical Soil Sample Results - VOCs and SVOCs,
1997 UST Closure Report
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011

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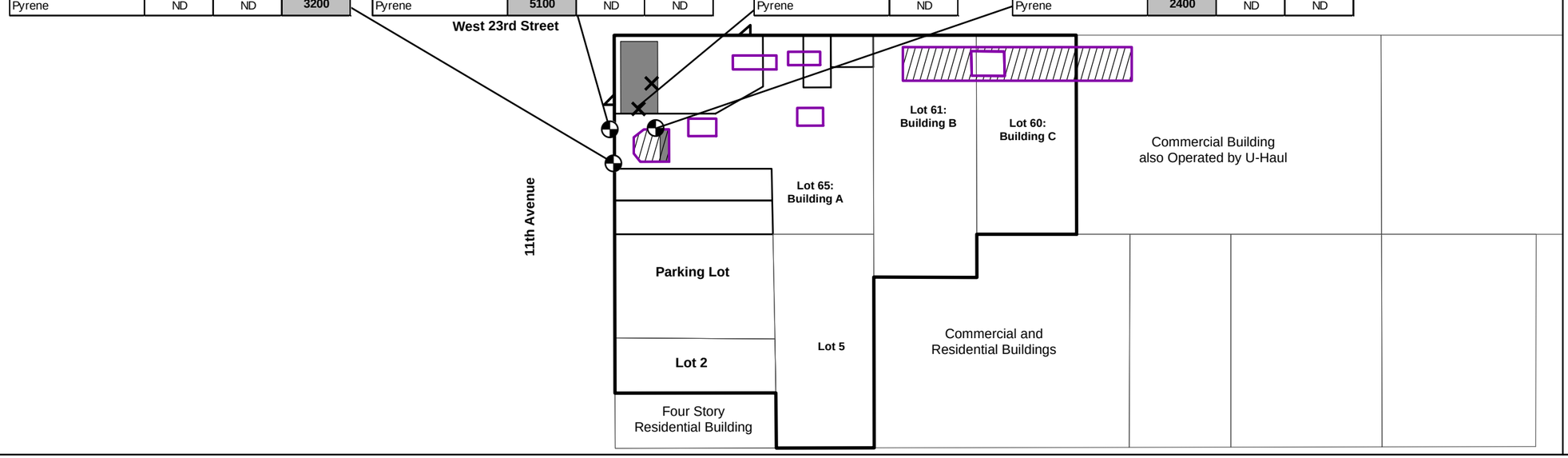
MW-1			
5/31/1997	5 ft	10 ft	15 ft
Volatile Organics			
Benzene	ND	ND	ND
n-Butylbenzene	ND	ND	ND
sec-Butylbenzene	ND	ND	ND
tert-Butylbenzene	ND	ND	ND
Methyl tert butyl ether	***8.2***	***1.7***	***2.9***
Ethylbenzene	ND	ND	ND
Napthalene	ND	ND	***16***
n-Propylbenzene	ND	ND	ND
Toluene	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND
Total Xylenes	ND	ND	ND
Semivolatile Organics			
Anthracene	ND	ND	**2500**
Benzo(a)anthracene	ND	ND	**1600**
Benzo(a)pyrene	ND	ND	**1300**
Benzo(b)fluoranthene	ND	ND	**900**
Benzo(g,h,i)perylene	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	**1000**
Indeno(1,2,3-cd)pyrene	ND	ND	ND
Chrysene	ND	ND	**1400**
Dibenzo(a,h)anthracene	ND	ND	ND
Fluoranthene	ND	ND	**3600**
Fluorene	ND	ND	**1200**
Napthalene	ND	ND	**940**
Phenanthrene	ND	ND	**3800**
Pyrene	ND	ND	**3200**

MW-2			
5/31/1997	3 ft	10 ft	15 ft
Volatile Organics			
Benzene	**320**	ND	ND
n-Butylbenzene	**1400**	ND	ND
sec-Butylbenzene	**170**	ND	ND
tert-Butylbenzene	ND	ND	ND
Methyl tert butyl ether	**5600**	***37***	***12***
Ethylbenzene	**230**	ND	ND
Napthalene	ND	ND	ND
n-Propylbenzene	ND	ND	ND
Toluene	**1100**	ND	ND
1,3,5-Trimethylbenzene	**690**	ND	ND
Total Xylenes	**2270**	ND	ND
Semivolatile Organics			
Anthracene	**930**	ND	ND
Benzo(a)anthracene	**4100**	ND	ND
Benzo(a)pyrene	**6000**	ND	ND
Benzo(b)fluoranthene	**5000**	ND	ND
Benzo(g,h,i)perylene	**2300**	ND	ND
Benzo(k)fluoranthene	**3600**	ND	ND
Indeno(1,2,3-cd)pyrene	**2600**	ND	ND
Chrysene	**3900**	ND	ND
Dibenzo(a,h)anthracene	**1300**	ND	ND
Fluoranthene	**5200**	ND	ND
Fluorene	ND	ND	ND
Napthalene	ND	ND	ND
Phenanthrene	**2500**	ND	ND
Pyrene	**5100**	ND	ND

Basement	
5/31/1997	
Volatile Organics	
Benzene	ND
n-Butylbenzene	**20000**
sec-Butylbenzene	**4400**
tert-Butylbenzene	ND
Methyl tert butyl ether	ND
Ethylbenzene	ND
Napthalene	**1300**
n-Propylbenzene	ND
Toluene	**4900**
1,3,5-Trimethylbenzene	**5600**
Total Xylenes	ND
Semivolatile Organics	
Anthracene	ND
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	ND
Benzo(g,h,i)perylene	ND
Benzo(k)fluoranthene	ND
Indeno(1,2,3-cd)pyrene	ND
Chrysene	ND
Dibenzo(a,h)anthracene	ND
Fluoranthene	ND
Fluorene	ND
Napthalene	ND
Phenanthrene	ND
Pyrene	ND

MW-3			
5/31/1997	5 ft	10 ft	15 ft
Volatile Organics			
Benzene	ND	ND	ND
n-Butylbenzene	ND	ND	ND
sec-Butylbenzene	***75***	***15***	ND
tert-Butylbenzene	***66***	***11***	ND
Methyl tert butyl ether	ND	***1.8***	***1.4***
Ethylbenzene	ND	ND	ND
Napthalene	ND	ND	ND
n-Propylbenzene	ND	***25***	ND
Toluene	ND	***4.3***	ND
1,3,5-Trimethylbenzene	**140**	1.5	ND
Total Xylenes	***37***	***8.9***	ND
Semivolatile Organics			
Anthracene	**540**	ND	ND
Benzo(a)anthracene	**3200**	ND	ND
Benzo(a)pyrene	**6600**	ND	ND
Benzo(b)fluoranthene	**6100**	ND	ND
Benzo(g,h,i)perylene	**2500**	ND	ND
Benzo(k)fluoranthene	**3900**	ND	ND
Indeno(1,2,3-cd)pyrene	**2900**	ND	ND
Chrysene	**2800**	ND	ND
Dibenzo(a,h)anthracene	**1700**	ND	ND
Fluoranthene	**2200**	ND	ND
Fluorene	ND	ND	ND
Napthalene	ND	ND	ND
Phenanthrene	**1400**	ND	ND
Pyrene	**2400**	ND	ND



Abandoned Monitoring Wells, Installed by Pinnacle

Grab Sample Location

Closed in Place UST/AST Area

Removed UST/AST Area

Subject Property Location

Sample ID		
Date	**NY-RESRR	*NY-UNRES
Depth		
Analyte	mg/kg	mg/kg
Volatile Organics		
Benzene	4.8	0.06
n-Butylbenzene	100	12
sec-Butylbenzene	100	11
tert-Butylbenzene	100	5.9
Methyl tert butyl ether	100	0.93
Ethylbenzene	41	1
Napthalene	100	12
n-Propylbenzene	100	3.9
Toluene	100	0.7
1,3,5-Trimethylbenzene	52	8.4
Total Xylenes	100	0.93
Semivolatile Organics		
Anthracene	100	100
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(g,h,i)perylene	100	100
Benzo(k)fluoranthene	3.9	0.8
Indeno(1,2,3-cd)pyrene	0.5	0.5
Chrysene	3.9	1
Dibenzo(a,h)anthracene	0.33	0.33
Fluoranthene	100	100
Fluorene	100	30
Napthalene	100	12
Phenanthrene	100	100
Pyrene	100	100

Notes:
1. **Bold** and *Italicized* value indicates concentration exceeds Unrestricted SCOs
2. **Bold** and shaded value indicates concentration exceeds Restricted-Residential SCOs
3. * = 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs
4. ** = 6 NYCRR Part 375-6.8(b) Restricted Residential Use SCOs
5. All results are in mg/kg
6. ND = Not detected
7. Results from Site Assessment Report, Pinnacle Environmental Technologies, 1997

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Figure 6.
Historical Soil Sample Results - VOCs and SVOCs,
1997 Site Assessment Report
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011

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MW-3						
Date	**5/31/1997**	**3/6/1998**	**6/20/1998**	**11/22/1998**	**3/31/1999**	**6/27/1999**
VOCs						
Benzene	ND	ND	ND	ND	ND	**23.5**
n-Butylbenzene	**12**		ND	ND	ND	ND
sec-Butlybenzene	**9.5**		ND	ND	ND	ND
tert-Butlybenzene	**10**		ND	ND	ND	ND
Ethylbenzene	ND	1.2	ND	ND	ND	**19.2**
Isopropylbenzene	**7.7**		ND	ND	3.2	**31**
p-Isopropylbenzene	**60**		-	-	-	-
Napthalene	3.2		ND	ND	ND	ND
n-Propylbenzene	ND		ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	3.1
1,2,4-Trimethylbenzene	**5.3**		ND	ND	ND	ND
1,3,5-Trimethylbenzene	**12**		ND	ND	ND	ND
m+p-Xylene	**5.7**		-	-	-	-
o-Xylene	**7.3**		-	-	-	-
Total Xylenes	**13**	4.5	ND	**21**	ND	ND
Methyl tert butyl ether	**71**	-	ND	**25**	7	**53**

MW-2						
Date	**5/31/1997**	**3/6/1998**	**6/20/1998**	**11/22/1998**	**3/31/1999**	**6/27/1999**
VOCs						
Benzene	ND	**16**	ND	ND	ND	ND
n-Butylbenzene	2.3		ND	ND	ND	ND
sec-Butlybenzene	ND		ND	ND	ND	ND
tert-Butlybenzene	ND		ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND		ND	ND	ND	ND
p-Isopropylbenzene	ND		-	-	-	-
Napthalene	ND		ND	ND	ND	ND
n-Propylbenzene	ND		ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2.4		ND	ND	ND	ND
1,3,5-Trimethylbenzene	1.7		ND	ND	ND	ND
m+p-Xylene	ND		-	-	-	-
o-Xylene	ND		-	-	-	-
Total Xylenes	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	ND	-	ND	**17**	**12**	ND

MW-1						
Date	**5/31/1997**	**3/6/1998**	**6/20/1998**	**11/22/1998**	**3/31/1999**	**6/27/1999**
VOCs						
Benzene	**63**	ND	ND	ND	ND	ND
n-Butylbenzene	ND		ND	ND	ND	ND
sec-Butlybenzene	ND		ND	ND	ND	ND
tert-Butlybenzene	ND		ND	ND	ND	ND
Ethylbenzene	**13**	ND	ND	ND	ND	ND
Isopropylbenzene	1.6		ND	ND	ND	ND
p-Isopropylbenzene	ND		-	-	-	-
Napthalene	ND		ND	ND	ND	ND
n-Propylbenzene	2.2		ND	ND	ND	ND
Toluene	1.8	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	**12**		ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND		ND	ND	ND	ND
m+p-Xylene	4.9		-	-	-	-
o-Xylene	ND		-	-	-	-
Total Xylenes	4.9	ND	ND	ND	ND	ND
Methyl tert butyl ether	ND	-	ND	ND	**25**	ND

BWTR	
Date	**5/31/1997**
VOCs	
Benzene	ND
n-Butylbenzene	ND
sec-Butlybenzene	ND
tert-Butlybenzene	ND
Ethylbenzene	ND
Isopropylbenzene	ND
p-Isopropylbenzene	ND
Napthalene	ND
n-Propylbenzene	ND
Toluene	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
m+p-Xylene	ND
o-Xylene	ND
Total Xylenes	ND
Methyl tert butyl ether	**20**

GPW-1	
Date	**5/15/2001**
VOCs	
Benzene	**1.2**
n-Butylbenzene	**5.6**
sec-Butylbenzene	4.4
tert-Butylbenzene	**7.2**
Ethylbenzene	2.9
Isopropylbenzene	ND
p-Isopropyltoluene	ND
Naphthalene	6.9
n-Propylbenzene	**12.8**
Toluene	**16.2**
1,2,4-Trimethylbenzene	**10**
1,3,5-Trimethylbenzene	1.6
m+p-Xylene	**7.5**
o-Xylene	4.4
Total Xylenes	-
Methyl tert butyl ether	**18.9**
SVOCs	
Naphthalene	ND

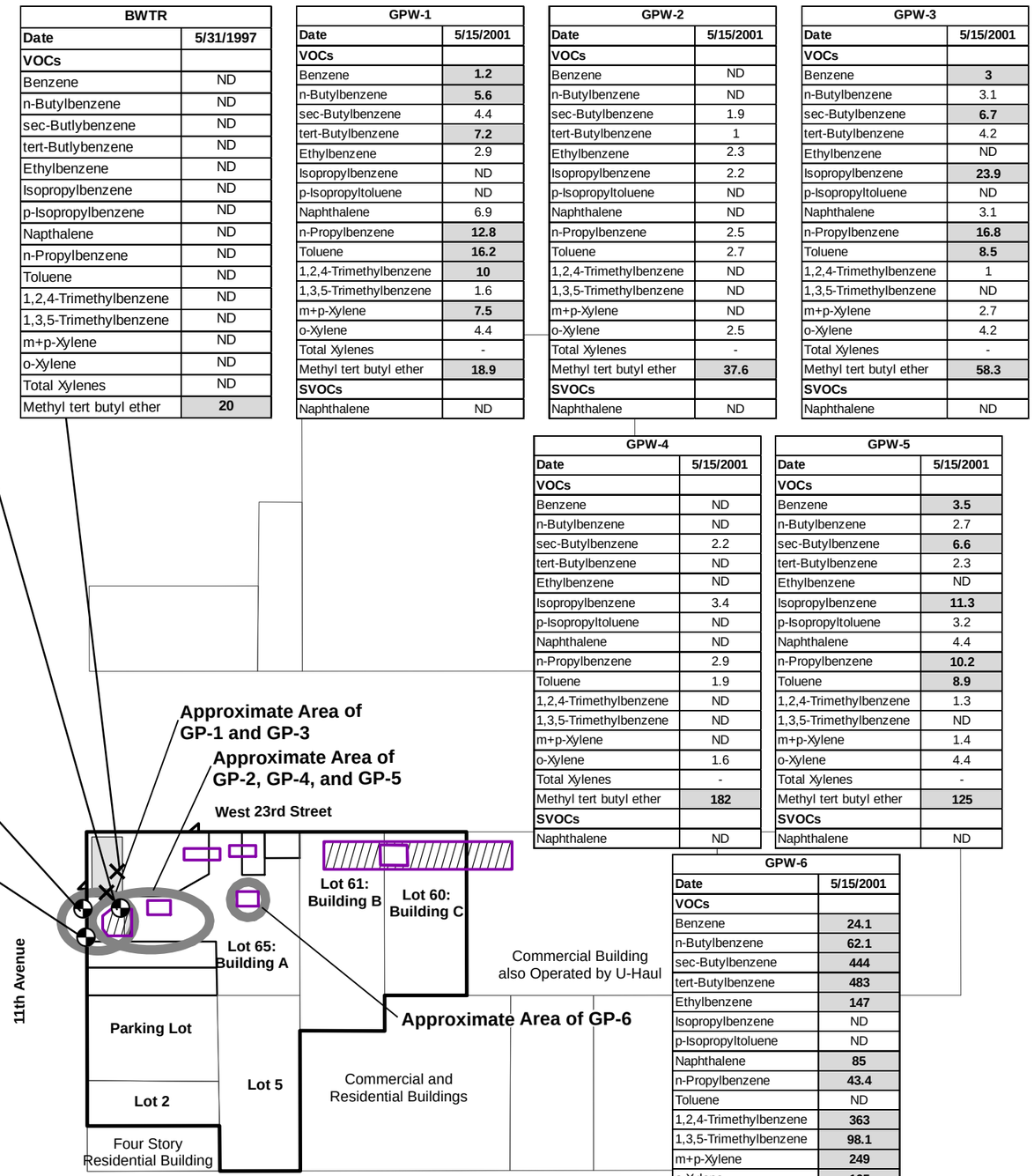
GPW-2	
Date	**5/15/2001**
VOCs	
Benzene	ND
n-Butylbenzene	ND
sec-Butylbenzene	1.9
tert-Butylbenzene	1
Ethylbenzene	2.3
Isopropylbenzene	2.2
p-Isopropyltoluene	ND
Naphthalene	ND
n-Propylbenzene	2.5
Toluene	2.7
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
m+p-Xylene	ND
o-Xylene	2.5
Total Xylenes	-
Methyl tert butyl ether	**37.6**
SVOCs	
Naphthalene	ND

GPW-3	
Date	**5/15/2001**
VOCs	
Benzene	**3**
n-Butylbenzene	3.1
sec-Butylbenzene	**6.7**
tert-Butylbenzene	4.2
Ethylbenzene	ND
Isopropylbenzene	**23.9**
p-Isopropyltoluene	ND
Naphthalene	3.1
n-Propylbenzene	**16.8**
Toluene	**8.5**
1,2,4-Trimethylbenzene	1
1,3,5-Trimethylbenzene	ND
m+p-Xylene	2.7
o-Xylene	4.2
Total Xylenes	-
Methyl tert butyl ether	**58.3**
SVOCs	
Naphthalene	ND

GPW-4	
Date	**5/15/2001**
VOCs	
Benzene	ND
n-Butylbenzene	ND
sec-Butylbenzene	2.2
tert-Butylbenzene	ND
Ethylbenzene	ND
Isopropylbenzene	3.4
p-Isopropyltoluene	ND
Naphthalene	ND
n-Propylbenzene	2.9
Toluene	1.9
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
m+p-Xylene	ND
o-Xylene	1.6
Total Xylenes	-
Methyl tert butyl ether	**182**
SVOCs	
Naphthalene	ND

GPW-5	
Date	**5/15/2001**
VOCs	
Benzene	**3.5**
n-Butylbenzene	2.7
sec-Butylbenzene	**6.6**
tert-Butylbenzene	2.3
Ethylbenzene	ND
Isopropylbenzene	**11.3**
p-Isopropyltoluene	3.2
Naphthalene	4.4
n-Propylbenzene	**10.2**
Toluene	**8.9**
1,2,4-Trimethylbenzene	1.3
1,3,5-Trimethylbenzene	ND
m+p-Xylene	1.4
o-Xylene	4.4
Total Xylenes	-
Methyl tert butyl ether	**125**
SVOCs	
Naphthalene	ND

GPW-6	
Date	**5/15/2001**
VOCs	
Benzene	**24.1**
n-Butylbenzene	**62.1**
sec-Butylbenzene	**444**
tert-Butylbenzene	**483**
Ethylbenzene	**147**
Isopropylbenzene	ND
p-Isopropyltoluene	ND
Naphthalene	**85**
n-Propylbenzene	**43.4**
Toluene	ND
1,2,4-Trimethylbenzene	**363**
1,3,5-Trimethylbenzene	**98.1**
m+p-Xylene	**249**
o-Xylene	**165**
Total Xylenes	-
Methyl tert butyl ether	ND
SVOCs	
Naphthalene	**21.2**



Abandoned Monitoring Wells, Installed by Pinnacle

Grab Sample Location

Closed in Place UST/AST Area

Removed UST/AST Area

Subject Property Location

Sample ID	
Analyte	**TOGS Class GA Standards***
VOCs	**µg/L**
Benzene	1
n-Butylbenzene	5
sec-Butylbenzene	5
tert-Butylbenzene	5
Ethylbenzene	5
Isopropylbenzene	5
p-Isopropyltoluene	5
Naphthalene	10
n-Propylbenzene	5
Toluene	5
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
m+p-Xylene	5
o-Xylene	5
Total Xylenes	5
Methyl tert butyl ether	10
SVOCs	**µg/L**
Naphthalene	10

Notes:
1. **Bold** and shaded value indicates an exceedance of Class GA Standards
2. * = NYSDEC Division of Water Technical and OperationalGuidance Series (TOGS) 1.1.1, Class GA AmbientWater Quality Standards and Guidance Values
3. All results are in µg/L
4. ND = Not Detected
5. - = Not tested
6. For MW-1, MW-2, and MW-3, only summary results for five analytes could be found for sampling date 3/6/98
7. Results from Site Assessment Reports, Pinnacle Environmental Technologies, 1997-1999; and Site Investigation Report, ATC Associates Inc., 2001

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Figure 7.
Historical Groundwater Sample Results, 1997-1999
Site Assessment Reports and 2001 Site Investigation Report
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011

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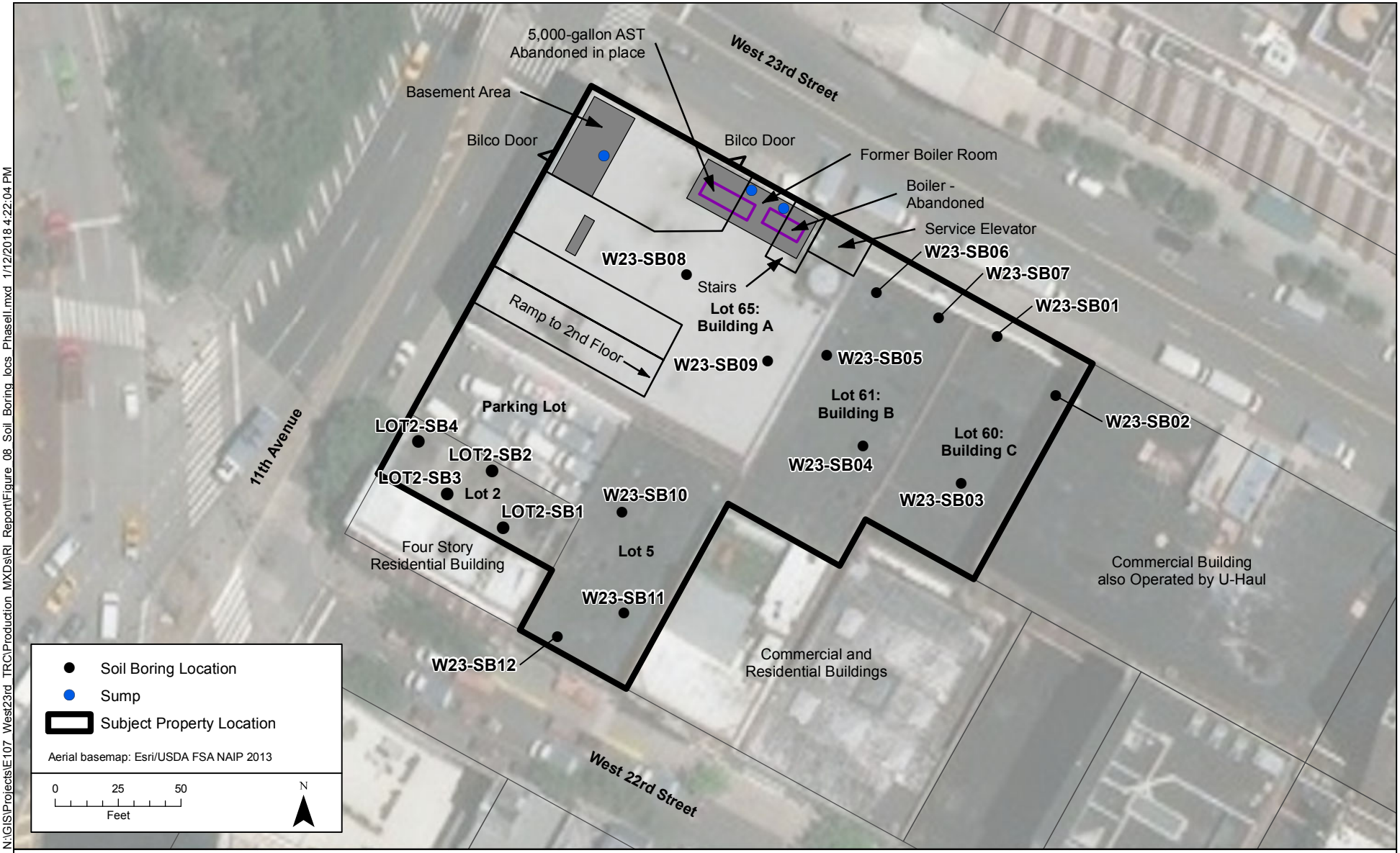

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Figure 8.
Soil Boring Locations, 2016 and 2017 Limited Phase II Investigations
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011

W23-SB09		
2/2/2015	1-2'	6-7'
Volatile Organics		
Benzene	ND	NT
Ethylbenzene	ND	NT
Xylenes, Total	0.00077J	NT
n-Propylbenzene	ND	NT
Semivolatile Organics		
Benzo(a)anthracene	0.068J	0.04J
Benzo(a)pyrene	0.082J	ND
Benzo(b)fluoranthene	0.094J	0.053
Benzo(k)fluoranthene	0.036J	0.018J
Chrysene	0.059J	0.035J
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)Pyrene	0.044J	0.027J

W23-SB10	
2/2/2015	1-2'
Volatile Organics	
Benzene	ND
Ethylbenzene	ND
Xylenes, Total	0.0012J
n-Propylbenzene	ND
Semivolatile Organics	
Benzo(a)anthracene	**9.4**
Benzo(a)pyrene	**20**
Benzo(b)fluoranthene	**19**
Benzo(k)fluoranthene	**8.5**
Chrysene	**8.5**
Dibenzo(a,h)anthracene	**3.7**
Indeno(1,2,3-cd)Pyrene	**14**

W23-SB08		
2/2/2015	1-2'	7.5-8.5'
Volatile Organics		
Benzene	NT	***0.44J***
Ethylbenzene	NT	ND
Xylenes, Total	NT	ND
n-Propylbenzene	NT	***8***
Semivolatile Organics		
Benzo(a)anthracene	**8.2**	ND
Benzo(a)pyrene	**18**	ND
Benzo(b)fluoranthene	**18**	ND
Benzo(k)fluoranthene	**5.2**	ND
Chrysene	**7.8**	ND
Dibenzo(a,h)anthracene	**5.2**	ND
Indeno(1,2,3-cd)Pyrene	**19**	ND

W23-SB12	
2/2/2015	1-2'
Volatile Organics	
Benzene	ND
Ethylbenzene	ND
Xylenes, Total	0.0008J
n-Propylbenzene	ND
Semivolatile Organics	
Benzo(a)anthracene	**3.3**
Benzo(a)pyrene	**4.6**
Benzo(b)fluoranthene	**5.8**
Benzo(k)fluoranthene	***1.8***
Chrysene	***3.3***
Dibenzo(a,h)anthracene	**0.85**
Indeno(1,2,3-cd)Pyrene	**3.9**

W23-SB05	
2/1/2016	1-2'
Volatile Organics	
Benzene	ND
Ethylbenzene	ND
Xylenes, Total	ND
n-Propylbenzene	ND
Semivolatile Organics	
Benzo(a)anthracene	**8.3**
Benzo(a)pyrene	**14**
Benzo(b)fluoranthene	**16**
Benzo(k)fluoranthene	**5.3**
Chrysene	**7.6**
Dibenzo(a,h)anthracene	**3.1**
Indeno(1,2,3-cd)Pyrene	**9.1**

W23-SB11		
2/2/2015	1-2'	6.5-7.5'
Volatile Organics		
Benzene	NT	ND
Ethylbenzene	NT	ND
Xylenes, Total	NT	ND
n-Propylbenzene	NT	ND
Semivolatile Organics		
Benzo(a)anthracene	**1.8**	0.039J
Benzo(a)pyrene	**3.6**	0.054J
Benzo(b)fluoranthene	**3.6**	0.052J
Benzo(k)fluoranthene	***1.2***	ND
Chrysene	***1.6***	0.033J
Dibenzo(a,h)anthracene	**0.65**	ND
Indeno(1,2,3-cd)Pyrene	**3.5**	0.033J

W23-SB06	
2/1/2016	1-2'
Volatile Organics	
Benzene	ND
Ethylbenzene	ND
Xylenes, Total	ND
n-Propylbenzene	ND
Semivolatile Organics	
Benzo(a)anthracene	0.16
Benzo(a)pyrene	0.24
Benzo(b)fluoranthene	0.24
Benzo(k)fluoranthene	0.12
Chrysene	0.14
Dibenzo(a,h)anthracene	0.045J
Indeno(1,2,3-cd)Pyrene	0.16

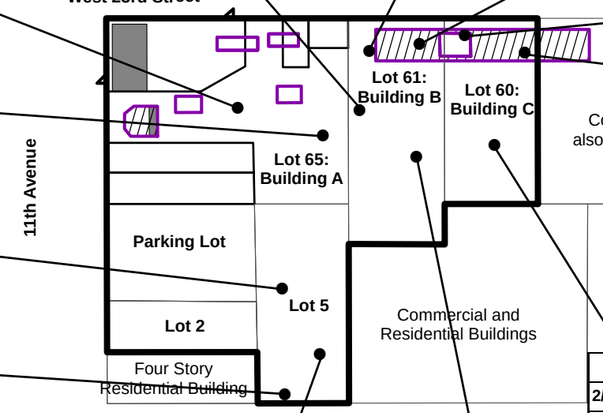
W23-SB04	
2/1/2016	5-7'
Volatile Organics	
Benzene	ND
Ethylbenzene	ND
Xylenes, Total	ND
n-Propylbenzene	ND
Semivolatile Organics	
Benzo(a)anthracene	**4.5**
Benzo(a)pyrene	**4.8**
Benzo(b)fluoranthene	**5.2**
Benzo(k)fluoranthene	***3.4***
Chrysene	***3.6***
Dibenzo(a,h)anthracene	**1.1**
Indeno(1,2,3-cd)Pyrene	**2.7**

W23-SB07	
2/2/2015	6.5-7.5'
Volatile Organics	
Benzene	ND
Ethylbenzene	ND
Xylenes, Total	ND
n-Propylbenzene	ND
Semivolatile Organics	
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Chrysene	ND
Dibenzo(a,h)anthracene	ND
Indeno(1,2,3-cd)Pyrene	ND

W23-SB03	
2/1/2016	2-3'
Volatile Organics	
Benzene	ND
Ethylbenzene	ND
Xylenes, Total	ND
n-Propylbenzene	ND
Semivolatile Organics	
Benzo(a)anthracene	**7**
Benzo(a)pyrene	**6.3**
Benzo(b)fluoranthene	**9.8**
Benzo(k)fluoranthene	***2.6***
Chrysene	**6**
Dibenzo(a,h)anthracene	**1.5**
Indeno(1,2,3-cd)Pyrene	**3.6**

W23-SB01		
2/1/2016	2-3'	9-10'
Volatile Organics		
Benzene	NT	ND
Ethylbenzene	NT	ND
Xylenes, Total	NT	ND
n-Propylbenzene	NT	ND
Semivolatile Organics		
Benzo(a)anthracene	**1.2**	ND
Benzo(a)pyrene	**1.2**	ND
Benzo(b)fluoranthene	**1.5**	ND
Benzo(k)fluoranthene	0.55	ND
Chrysene	***1***	ND
Dibenzo(a,h)anthracene	0.17	ND
Indeno(1,2,3-cd)Pyrene	**0.88**	ND

W23-SB02			
2/1/2016	2-3'	8-9'	8-9' DUP
Volatile Organics			
Benzene	NT	ND	ND
Ethylbenzene	NT	***1.2J***	0.34J
Xylenes, Total	NT	***0.59J***	0.19J
n-Propylbenzene	NT	***15***	***5.5***
Semivolatile Organics			
Benzo(a)anthracene	**11**	0.028J	0.22
Benzo(a)pyrene	**10**	ND	0.35
Benzo(b)fluoranthene	**13**	0.042J	0.35
Benzo(k)fluoranthene	**4.6**	ND	0.16
Chrysene	**9.8**	0.026J	0.2
Dibenzo(a,h)anthracene	**1.6**	ND	0.071J
Indeno(1,2,3-cd)Pyrene	**6.9**	ND	0.2



- Soil Boring Location
- Closed in Place UST/AST Area
- Removed UST/AST Area
- Subject Property Location

Sample ID		
Date	**NY-RESRR	*NY-UNRES
Depth		
Analyte	mg/kg	mg/kg
Volatile Organics		
Benzene	4.8	0.06
Ethylbenzene	41	1
Xylenes, Total	100	0.26
n-Propylbenzene	100	3.9
Semivolatile Organics		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	3.9	0.8
Chrysene	3.9	1
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)Pyrene	0.5	0.5

Notes:
1. **Bold** and *Italicized* value indicates concentration exceeds Unrestricted SCOs
2. **Bold** and shaded value indicates concentration exceeds Restricted-Residential SCOs
3. J = Estimated value
4. ND = Not Detected
5. NT = Not Tested
6. * = 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs
7. ** = 6 NYCRR Part 375-6.8(b) Restricted Residential Use SCOs
8. All results are in mg/kg
9. Results from Limited Phase II Investigation, Integral Engineering, 2016

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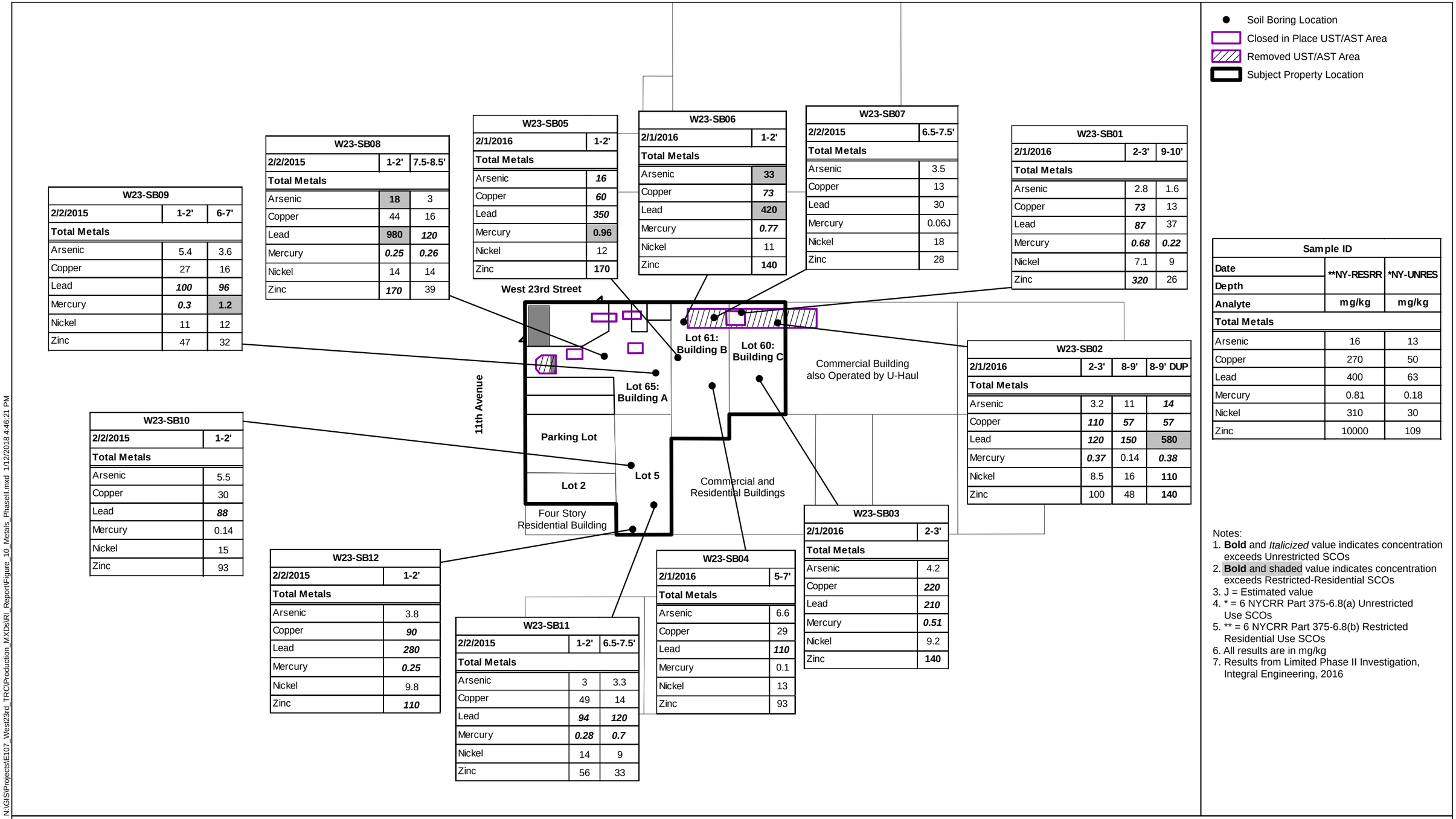
Figure 9.
Soil Sample Results – VOCs and SVOCs,
2016 Limited Phase II Investigation
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011



W23-SB09		
2/2/2015	1-2'	6-7'
Total Metals		
Arsenic	5.4	3.6
Copper	27	16
Lead	***100***	***96***
Mercury	***0.3***	**1.2**
Nickel	11	12
Zinc	47	32

W23-SB08		
2/2/2015	1-2'	7.5-8.5'
Total Metals		
Arsenic	**18**	3
Copper	44	16
Lead	**980**	***120***
Mercury	***0.25***	***0.26***
Nickel	14	14
Zinc	***170***	39

W23-SB05	
2/1/2016	1-2'
Total Metals	
Arsenic	***16***
Copper	***60***
Lead	***350***
Mercury	**0.96**
Nickel	12
Zinc	**170**

W23-SB06	
2/1/2016	1-2'
Total Metals	
Arsenic	**33**
Copper	***73***
Lead	**420**
Mercury	***0.77***
Nickel	11
Zinc	**140**

W23-SB07	
2/2/2015	6.5-7.5'
Total Metals	
Arsenic	3.5
Copper	13
Lead	30
Mercury	0.06J
Nickel	18
Zinc	28

W23-SB01		
2/1/2016	2-3'	9-10'
Total Metals		
Arsenic	2.8	1.6
Copper	***73***	13
Lead	***87***	37
Mercury	***0.68***	***0.22***
Nickel	7.1	9
Zinc	***320***	26

W23-SB02			
2/1/2016	2-3'	8-9'	8-9' DUP
Total Metals			
Arsenic	3.2	11	***14***
Copper	***110***	***57***	***57***
Lead	***120***	***150***	**580**
Mercury	***0.37***	0.14	***0.38***
Nickel	8.5	16	**110**
Zinc	100	48	**140**

W23-SB10	
2/2/2015	1-2'
Total Metals	
Arsenic	5.5
Copper	30
Lead	***88***
Mercury	0.14
Nickel	15
Zinc	93

W23-SB12	
2/2/2015	1-2'
Total Metals	
Arsenic	3.8
Copper	***90***
Lead	***280***
Mercury	***0.25***
Nickel	9.8
Zinc	***110***

W23-SB11		
2/2/2015	1-2'	6.5-7.5'
Total Metals		
Arsenic	3	3.3
Copper	49	14
Lead	***94***	***120***
Mercury	***0.28***	***0.7***
Nickel	14	9
Zinc	56	33

W23-SB04	
2/1/2016	5-7'
Total Metals	
Arsenic	6.6
Copper	29
Lead	***110***
Mercury	0.1
Nickel	13
Zinc	93

W23-SB03	
2/1/2016	2-3'
Total Metals	
Arsenic	4.2
Copper	***220***
Lead	***210***
Mercury	***0.51***
Nickel	9.2
Zinc	**140**

Sample ID		
Date	**NY-RESRR	*NY-UNRES
Depth		
Analyte	mg/kg	mg/kg
Total Metals		
Arsenic	16	13
Copper	270	50
Lead	400	63
Mercury	0.81	0.18
Nickel	310	30
Zinc	10000	109

Notes:
1. **Bold** and *Italicized* value indicates concentration exceeds Unrestricted SCOs
2. **Bold** and shaded value indicates concentration exceeds Restricted-Residential SCOs
3. J = Estimated value
4. * = 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs
5. ** = 6 NYCRR Part 375-6.8(b) Restricted Residential Use SCOs
6. All results are in mg/kg
7. Results from Limited Phase II Investigation, Integral Engineering, 2016

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Figure 10.
Sample Results – Metals, 2016 Limited Phase II Investigation
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011

LOT2-SB4	
6/22/2017	6-8'
Semivolatile Organics	
Benzo(a)anthracene	0.072 J
Benzo(a)pyrene	0.082 J
Benzo(b)fluoranthene	0.09 J
Benzo(k)fluoranthene	0.037 J
Chrysene	0.069 J
Dibenzo(a,h)anthracene	ND
Indeno(1,2,3-cd)pyrene	0.057 J
Total Metals	
Lead	***175***
Mercury	***0.24***

LOT2-SB3	
6/22/2017	6-8'
Semivolatile Organics	
Benzo(a)anthracene	0.031 J
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	0.052 J
Benzo(k)fluoranthene	ND
Chrysene	0.028 J
Dibenzo(a,h)anthracene	ND
Indeno(1,2,3-cd)pyrene	0.044 J
Total Metals	
Lead	***141***
Mercury	***0.29***

LOT2-SB2	
6/22/2017	4-6'
Semivolatile Organics	
Benzo(a)anthracene	**9.2**
Benzo(a)pyrene	**14**
Benzo(b)fluoranthene	**23**
Benzo(k)fluoranthene	**4.8**
Chrysene	**8.9**
Dibenzo(a,h)anthracene	**2.6**
Indeno(1,2,3-cd)pyrene	**12**
Total Metals	
Lead	***153***
Mercury	***0.34***

LOT2-SB1	
6/22/2017	7-9'
Semivolatile Organics	
Benzo(a)anthracene	**2.2**
Benzo(a)pyrene	**3.3**
Benzo(b)fluoranthene	**3.6**
Benzo(k)fluoranthene	***1.1***
Chrysene	***2.1***
Dibenzo(a,h)anthracene	**0.53**
Indeno(1,2,3-cd)pyrene	**2.6**
Total Metals	
Lead	13
Mercury	0.06 J

Lot 65

Lot 5

Lot 2

Lot 1

11th Avenue

West 22rd Street

Soil Boring

Subject Property Location

Sample ID		
Date of Sampling		
Depth	*NY-RESRR	**NY-UNRES
Analyte	mg/kg	mg/kg
Semivolatile Organics		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	3.9	0.8
Chrysene	3.9	1
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.5	0.5
Total Metals		
Lead	400	63
Mercury	0.81	0.18

1. ***Bold and Italicized*** value indicates concentration exceeds Unrestricted SCOs
2. **Bold** and shaded value indicates concentration exceeds Restricted-Residential SCOs
3. *NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
4. **NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
5. J = Estimated value
6. ND = Not detected
7. Results from Limited Phase II Investigation, Integral Engineering, 2017

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Figure 11.
Soil Sampling Results - SVOCs and Metals - Lot 2
2016 Limited Phase II Investigation
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011

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Figure 12.
Remedial Investigation (RI) Sample Locations
Remedial Investigation Report
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SB-15		
11/21/2016	7-9	15-17
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
3-Methylphenol/4-Methylphenol	ND	ND
Metals		
Arsenic, Total	2.4	2.6
Copper, Total	10	13
Lead, Total	34	8.4
Mercury, Total	0.07 J	0.03 J
Zinc, Total	22	36

SB-13		
11/10/2016	5-7	15-17
SVOC	Total	Total
Fluoranthene	0.026 J	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
3-Methylphenol/4-Methylphenol	ND	0.035 J
Metals		
Arsenic, Total	4.8	3
Copper, Total	34	19
Lead, Total	***120***	44
Mercury, Total	***0.25***	***0.6***
Zinc, Total	82	33

SB-16		
11/15/2016	6-8	15-17
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
3-Methylphenol/4-Methylphenol	ND	ND
Metals		
Arsenic, Total	1.2	1.3
Copper, Total	13	13
Lead, Total	19	30
Mercury, Total	0.11	0.06 J
Zinc, Total	36	38

SB-18		
11/15/2016	5-7	15-17
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
3-Methylphenol/4-Methylphenol	ND	ND
Metals		
Arsenic, Total	1.6	2
Copper, Total	15	10
Lead, Total	31	7.7
Mercury, Total	***1.1***	0.03 J
Zinc, Total	31	28

SB-31		
6/21/2017	5-7	5-7 DUP
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
3-Methylphenol/4-Methyl	ND	ND
Metals		
Arsenic, Total	NA	NA
Copper, Total	NA	NA
Lead, Total	NA	NA
Mercury, Total	NA	NA
Zinc, Total	NA	NA

SB-25		
11/10/2016	6-8	15-17
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
3-Methylphenol/4-Methylphenol	ND	ND
Metals		
Arsenic, Total	1.8	2.7
Copper, Total	14	17
Lead, Total	***65***	18
Mercury, Total	0.06 J	0.03 J
Zinc, Total	17	24

SB-17			
11/15/2016	5-7	5-7 DUP	15-17
SVOC	Total	Total	Total
Fluoranthene	0.054 J	ND	ND
Benzo(a)anthracene	0.053 J	ND	ND
Benzo(a)pyrene	0.085 J	ND	ND
Benzo(b)fluoranthene	0.095 J	ND	ND
Benzo(k)fluoranthene	0.038 J	ND	ND
Chrysene	0.048 J	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.086 J	ND	ND
3-Methylphenol/4-Methylphenol	ND	ND	ND
Metals			
Arsenic, Total	3.6	5	3.3
Copper, Total	16	18	16
Lead, Total	***75***	***120***	12
Mercury, Total	***0.47***	***0.39***	0.05 J
Zinc, Total	28	31	42

SB-14		
11/15/2016	3-5	15-17
SVOC	Total	Total
Fluoranthene	0.31	ND
Benzo(a)anthracene	0.39	ND
Benzo(a)pyrene	0.8	ND
Benzo(b)fluoranthene	0.9	ND
Benzo(k)fluoranthene	0.37	ND
Chrysene	0.4	ND
Dibenzo(a,h)anthracene	0.16	ND
Indeno(1,2,3-cd)pyrene	***0.71***	ND
3-Methylphenol/4-Methylphenol	ND	ND
Metals		
Arsenic, Total	2.3	1.4
Copper, Total	34	9.7
Lead, Total	21	15
Mercury, Total	0.04 J	0.07 J
Zinc, Total	38	26

SB-28		
11/14/2016	5-7	15-17
SVOC	Total	Total
Fluoranthene	110	0.026 J
Benzo(a)anthracene	***52***	0.031 J
Benzo(a)pyrene	***45***	ND
Benzo(b)fluoranthene	***58***	ND
Benzo(k)fluoranthene	***6.9***	ND
Chrysene	***46***	0.021 J
Dibenzo(a,h)anthracene	***4.2***	ND
Indeno(1,2,3-cd)pyrene	***24***	ND
3-Methylphenol/4-Methylphenol	ND	ND
Metals		
Arsenic, Total	4.6	1.4
Copper, Total	***170***	14
Lead, Total	***130***	26
Mercury, Total	***0.72***	0.06 J
Zinc, Total	***140***	12

SB-32		
6/21/2017	4-5	6-8
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
3-Methylphenol/4-Methyl	ND	ND
Metals		
Arsenic, Total	NA	NA
Copper, Total	NA	NA
Lead, Total	NA	NA
Mercury, Total	NA	NA
Zinc, Total	NA	NA

SB-21		
11/11/2016	3-5	15-17
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
3-Methylphenol/4-Methylphenol	ND	0.22 J
Metals		
Arsenic, Total	1.7	11
Copper, Total	13	42
Lead, Total	15	***210***
Mercury, Total	0.11	***0.87***
Zinc, Total	22	79

SB-20		
11/11/2016	4-6	15-17
SVOC	Total	Total
Fluoranthene	28	0.078 J
Benzo(a)anthracene	***24***	0.071 J
Benzo(a)pyrene	***38***	0.069 J
Benzo(b)fluoranthene	***37***	0.07 J
Benzo(k)fluoranthene	***13***	ND U
Chrysene	***22***	0.069 J
Dibenzo(a,h)anthracene	***6.2***	ND U
Indeno(1,2,3-cd)pyrene	***30***	0.037 J
3-Methylphenol/4-Methylphenol	0.14 J	***0.74***
Metals		
Arsenic, Total	9.8	***19***
Copper, Total	38	***60***
Lead, Total	***94***	***640***
Mercury, Total	0.08	***1.9***
Zinc, Total	45	100

SB-30		
11/14/2016	8-10	15-17
SVOC	Total	Total
Fluoranthene	0.05 J	ND
Benzo(a)anthracene	0.056 J	ND
Benzo(a)pyrene	0.086 J	ND
Benzo(b)fluoranthene	0.088 J	ND
Benzo(k)fluoranthene	0.033 J	ND
Chrysene	0.047 J	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	0.075 J	ND
3-Methylphenol/4-Methylphenol	ND	ND
Metals		
Arsenic, Total	2.9	6.4
Copper, Total	10	14
Lead, Total	***74***	***160***
Mercury, Total	***1.4***	***0.18***
Zinc, Total	32	52

SB-24		
11/14/2016	3-5	15-17
SVOC	Total	Total
Fluoranthene	0.021 J	ND
Benzo(a)anthracene	0.024 J	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	0.019 J	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
3-Methylphenol/4-Methylphenol	ND	ND
Metals		
Arsenic, Total	3.9	***20***
Copper, Total	17	23
Lead, Total	***71***	11
Mercury, Total	***0.29***	0.07 J
Zinc, Total	29	50

SB-19		
11/11/2016	5-7	15-17
SVOC	Total	Total
Fluoranthene	10	ND
Benzo(a)anthracene	***3.7***	ND
Benzo(a)pyrene	***3.4***	ND
Benzo(b)fluoranthene	***4.3***	ND
Benzo(k)fluoranthene	***1.4***	ND
Chrysene	***3.5***	ND
Dibenzo(a,h)anthracene	***0.54*** J	ND
Indeno(1,2,3-cd)pyrene	***2.3***	ND
3-Methylphenol/4-Methylphenol	ND	0.042 J
Metals		
Arsenic, Total	3.9	***16***
Copper, Total	30	***58***
Lead, Total	***130***	***550***
Mercury, Total	***0.29***	***1.1***
Zinc, Total	69	***110***

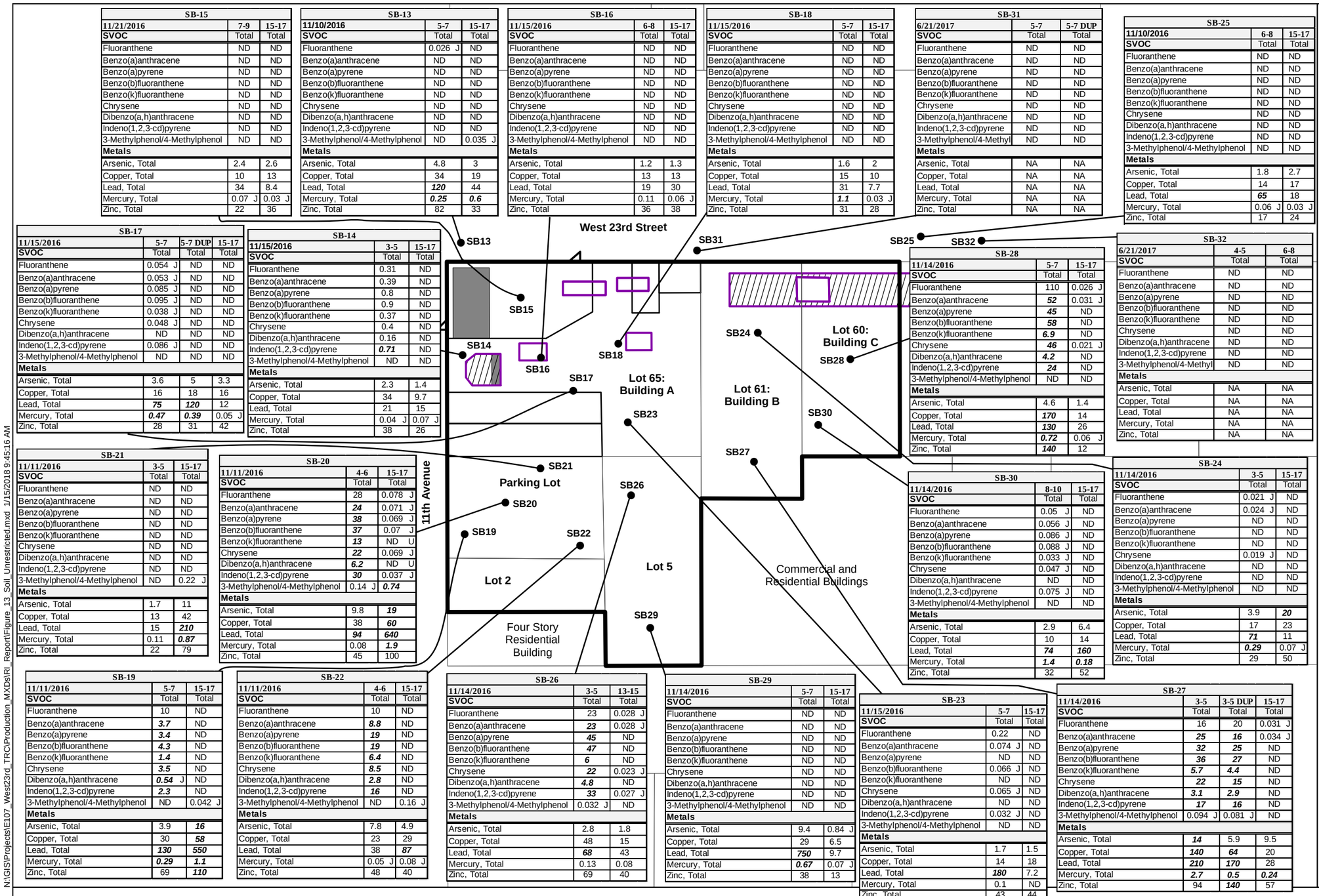
SB-22		
11/11/2016	4-6	15-17
SVOC	Total	Total
Fluoranthene	10	ND
Benzo(a)anthracene	***8.8***	ND
Benzo(a)pyrene	***19***	ND
Benzo(b)fluoranthene	***19***	ND
Benzo(k)fluoranthene	***6.4***	ND
Chrysene	***8.5***	ND
Dibenzo(a,h)anthracene	***2.8***	ND
Indeno(1,2,3-cd)pyrene	***16***	ND
3-Methylphenol/4-Methylphenol	ND	0.16 J
Metals		
Arsenic, Total	7.8	4.9
Copper, Total	23	29
Lead, Total	38	***87***
Mercury, Total	0.05 J	0.08 J
Zinc, Total	48	40

SB-26		
11/14/2016	3-5	13-15
SVOC	Total	Total
Fluoranthene	23	0.028 J
Benzo(a)anthracene	***23***	0.028 J
Benzo(a)pyrene	***45***	ND
Benzo(b)fluoranthene	***47***	ND
Benzo(k)fluoranthene	***6***	ND
Chrysene	***22***	0.023 J
Dibenzo(a,h)anthracene	***4.8***	ND
Indeno(1,2,3-cd)pyrene	***33***	0.027 J
3-Methylphenol/4-Methylphenol	0.032 J	ND
Metals		
Arsenic, Total	2.8	1.8
Copper, Total	48	15
Lead, Total	***68***	43
Mercury, Total	0.13	0.08
Zinc, Total	69	40

SB-29		
11/14/2016	5-7	15-17
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
3-Methylphenol/4-Methylphenol	ND	ND
Metals		
Arsenic, Total	9.4	0.84 J
Copper, Total	29	6.5
Lead, Total	***750***	9.7
Mercury, Total	***0.67***	0.07 J
Zinc, Total	38	13

SB-23		
11/15/2016	5-7	15-17
SVOC	Total	Total
Fluoranthene	0.22	ND
Benzo(a)anthracene	0.074 J	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	0.066 J	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	0.065 J	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	0.032 J	ND
3-Methylphenol/4-Methylphenol	ND	ND
Metals		
Arsenic, Total	1.7	1.5
Copper, Total	14	18
Lead, Total	***180***	7.2
Mercury, Total	0.1	ND
Zinc, Total	43	44

SB-27			
11/14/2016	3-5	3-5 DUP	15-17
SVOC	Total	Total	Total
Fluoranthene	16	20	0.031 J
Benzo(a)anthracene	***25***	***16***	0.034 J
Benzo(a)pyrene	***32***	***25***	ND
Benzo(b)fluoranthene	***36***	***27***	ND
Benzo(k)fluoranthene	***5.7***	***4.4***	ND
Chrysene	***22***	***15***	ND
Dibenzo(a,h)anthracene	***3.1***	***2.9***	ND
Indeno(1,2,3-cd)pyrene	***17***	***16***	ND
3-Methylphenol/4-Methylphenol	0.094 J	0.081 J	ND
Metals			
Arsenic, Total	***14***	5.9	9.5
Copper, Total	***140***	***64***	20
Lead, Total	***210***	***170***	28
Mercury, Total	***2.7***	***0.5***	***0.24***
Zinc, Total	94	***140***	57



Sample ID	Part 375
Date	Unrestricted Use
Analyte	Depth
SVOC	mg/kg
Fluoranthene	100
Benzo(a)anthracene	1
Benzo(a)pyrene	1
Benzo(b)fluoranthene	1
Benzo(k)fluoranthene	0.8
Chrysene	1
Dibenzo(a,h)anthracene	0.33
Indeno(1,2,3-cd)pyrene	0.5
3-Methylphenol/4-Methylphenol	0.33
Metals	
Arsenic, Total	13
Copper, Total	50
Lead, Total	63
Mercury, Total	0.18
Zinc, Total	109

- Soil Boring Location
- Closed in Place UST/AST Area
- Removed UST/AST Area
- Subject Property Location

Notes:
1. **Bold** and *italicized* value indicates concentration exceeds Unrestricted SCOs
2. J = Estimated Concentration
3. ND = Not Detected
4. NA = Not Analyzed
5. *NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
6. All results are in mg/kg
7. Results from Remedial Investigation, Integral Engineering, 2016

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Figure 13.
RI – SVOCs and Metals in Soil Exceeding Part 375 Unrestricted SCOs
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011

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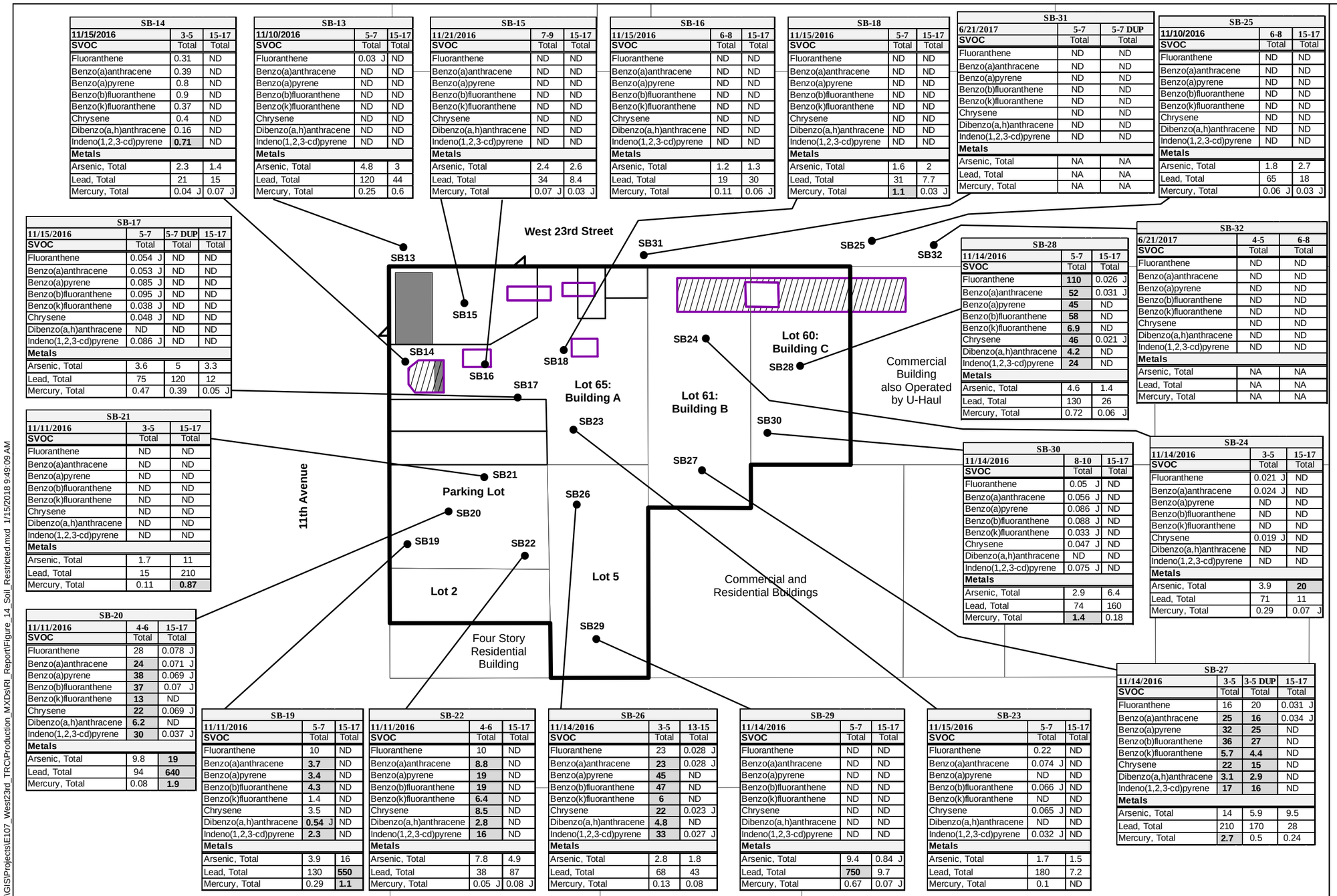

SB-14

11/15/2016	3-5	15-17
SVOC	Total	Total
Fluoranthene	0.31	ND
Benzo(a)anthracene	0.39	ND
Benzo(a)pyrene	0.8	ND
Benzo(b)fluoranthene	0.9	ND
Benzo(k)fluoranthene	0.37	ND
Chrysene	0.4	ND
Dibenzo(a,h)anthracene	0.16	ND
Indeno(1,2,3-cd)pyrene	**0.71**	ND
Metals		
Arsenic, Total	2.3	1.4
Lead, Total	21	15
Mercury, Total	0.04 J	0.07 J

SB-13

11/10/2016	5-7	15-17
SVOC	Total	Total
Fluoranthene	0.03 J	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals		
Arsenic, Total	4.8	3
Lead, Total	120	44
Mercury, Total	0.25	0.6

SB-15

11/21/2016	7-9	15-17
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals		
Arsenic, Total	2.4	2.6
Lead, Total	34	8.4
Mercury, Total	0.07 J	0.03 J

SB-16

11/15/2016	6-8	15-17
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals		
Arsenic, Total	1.2	1.3
Lead, Total	19	30
Mercury, Total	0.11	0.06 J

SB-18

11/15/2016	5-7	15-17
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals		
Arsenic, Total	1.6	2
Lead, Total	31	7.7
Mercury, Total	**1.1**	0.03 J

SB-31

6/21/2017	5-7	5-7 DUP
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals		
Arsenic, Total	NA	NA
Lead, Total	NA	NA
Mercury, Total	NA	NA

SB-25

11/10/2016	6-8	15-17
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals		
Arsenic, Total	1.8	2.7
Lead, Total	65	18
Mercury, Total	0.06 J	0.03 J

SB-17

11/15/2016	5-7	5-7 DUP	15-17
SVOC	Total	Total	Total
Fluoranthene	0.054 J	ND	ND
Benzo(a)anthracene	0.053 J	ND	ND
Benzo(a)pyrene	0.085 J	ND	ND
Benzo(b)fluoranthene	0.095 J	ND	ND
Benzo(k)fluoranthene	0.038 J	ND	ND
Chrysene	0.048 J	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.086 J	ND	ND
Metals			
Arsenic, Total	3.6	5	3.3
Lead, Total	75	120	12
Mercury, Total	0.47	0.39	0.05 J

SB-28

11/14/2016	5-7	15-17
SVOC	Total	Total
Fluoranthene	**110**	0.026 J
Benzo(a)anthracene	**52**	0.031 J
Benzo(a)pyrene	**45**	ND
Benzo(b)fluoranthene	**58**	ND
Benzo(k)fluoranthene	**6.9**	ND
Chrysene	**46**	0.021 J
Dibenzo(a,h)anthracene	**4.2**	ND
Indeno(1,2,3-cd)pyrene	**24**	ND
Metals		
Arsenic, Total	4.6	1.4
Lead, Total	130	26
Mercury, Total	0.72	0.06 J

SB-32

6/21/2017	4-5	6-8
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals		
Arsenic, Total	NA	NA
Lead, Total	NA	NA
Mercury, Total	NA	NA

SB-21

11/11/2016	3-5	15-17
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals		
Arsenic, Total	1.7	11
Lead, Total	15	210
Mercury, Total	0.11	**0.87**

SB-30

11/14/2016	8-10	15-17
SVOC	Total	Total
Fluoranthene	0.05 J	ND
Benzo(a)anthracene	0.056 J	ND
Benzo(a)pyrene	0.086 J	ND
Benzo(b)fluoranthene	0.088 J	ND
Benzo(k)fluoranthene	0.033 J	ND
Chrysene	0.047 J	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	0.075 J	ND
Metals		
Arsenic, Total	2.9	6.4
Lead, Total	74	160
Mercury, Total	**1.4**	0.18

SB-24

11/14/2016	3-5	15-17
SVOC	Total	Total
Fluoranthene	0.021 J	ND
Benzo(a)anthracene	0.024 J	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	0.019 J	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals		
Arsenic, Total	3.9	**20**
Lead, Total	71	11
Mercury, Total	0.29	0.07 J

SB-20

11/11/2016	4-6	15-17
SVOC	Total	Total
Fluoranthene	28	0.078 J
Benzo(a)anthracene	**24**	0.071 J
Benzo(a)pyrene	**38**	0.069 J
Benzo(b)fluoranthene	**37**	0.07 J
Benzo(k)fluoranthene	**13**	ND
Chrysene	**22**	0.069 J
Dibenzo(a,h)anthracene	**6.2**	ND
Indeno(1,2,3-cd)pyrene	**30**	0.037 J
Metals		
Arsenic, Total	9.8	**19**
Lead, Total	94	**640**
Mercury, Total	0.08	**1.9**

SB-27

11/14/2016	3-5	3-5 DUP	15-17
SVOC	Total	Total	Total
Fluoranthene	16	20	0.031 J
Benzo(a)anthracene	**25**	**16**	0.034 J
Benzo(a)pyrene	**32**	**25**	ND
Benzo(b)fluoranthene	**36**	**27**	ND
Benzo(k)fluoranthene	**5.7**	**4.4**	ND
Chrysene	**22**	**15**	ND
Dibenzo(a,h)anthracene	**3.1**	**2.9**	ND
Indeno(1,2,3-cd)pyrene	**17**	**16**	ND
Metals			
Arsenic, Total	14	5.9	9.5
Lead, Total	210	170	28
Mercury, Total	**2.7**	0.5	0.24

SB-19

11/11/2016	5-7	15-17
SVOC	Total	Total
Fluoranthene	10	ND
Benzo(a)anthracene	**3.7**	ND
Benzo(a)pyrene	**3.4**	ND
Benzo(b)fluoranthene	**4.3**	ND
Benzo(k)fluoranthene	1.4	ND
Chrysene	3.5	ND
Dibenzo(a,h)anthracene	**0.54** J	ND
Indeno(1,2,3-cd)pyrene	**2.3**	ND
Metals		
Arsenic, Total	3.9	16
Lead, Total	130	**550**
Mercury, Total	0.29	**1.1**

SB-22

11/11/2016	4-6	15-17
SVOC	Total	Total
Fluoranthene	10	ND
Benzo(a)anthracene	**8.8**	ND
Benzo(a)pyrene	**19**	ND
Benzo(b)fluoranthene	**19**	ND
Benzo(k)fluoranthene	**6.4**	ND
Chrysene	**8.5**	ND
Dibenzo(a,h)anthracene	**2.8**	ND
Indeno(1,2,3-cd)pyrene	**16**	ND
Metals		
Arsenic, Total	7.8	4.9
Lead, Total	38	87
Mercury, Total	0.05 J	0.08 J

SB-26

11/14/2016	3-5	13-15
SVOC	Total	Total
Fluoranthene	23	0.028 J
Benzo(a)anthracene	**23**	0.028 J
Benzo(a)pyrene	**45**	ND
Benzo(b)fluoranthene	**47**	ND
Benzo(k)fluoranthene	**6**	ND
Chrysene	**22**	0.023 J
Dibenzo(a,h)anthracene	**4.8**	ND
Indeno(1,2,3-cd)pyrene	**33**	0.027 J
Metals		
Arsenic, Total	2.8	1.8
Lead, Total	68	43
Mercury, Total	0.13	0.08

SB-29

11/14/2016	5-7	15-17
SVOC	Total	Total
Fluoranthene	ND	ND
Benzo(a)anthracene	ND	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	ND	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	ND	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND
Metals		
Arsenic, Total	9.4	0.84 J
Lead, Total	**750**	9.7
Mercury, Total	0.67	0.07 J

SB-23

11/15/2016	5-7	15-17
SVOC	Total	Total
Fluoranthene	0.22	ND
Benzo(a)anthracene	0.074 J	ND
Benzo(a)pyrene	ND	ND
Benzo(b)fluoranthene	0.066 J	ND
Benzo(k)fluoranthene	ND	ND
Chrysene	0.065 J	ND
Dibenzo(a,h)anthracene	ND	ND
Indeno(1,2,3-cd)pyrene	0.032 J	ND
Metals		
Arsenic, Total	1.7	1.5
Lead, Total	180	7.2
Mercury, Total	0.1	ND

- Soil Boring Location
- Closed in Place UST/AST Area
- Removed UST/AST Area
- Subject Property Location

Sample ID	Part 375 Restricted Residential Use
Date	
Analyte	Depth
SVOC	mg/kg
Fluoranthene	100
Benzo(a)anthracene	1
Benzo(a)pyrene	1
Benzo(b)fluoranthene	1
Benzo(k)fluoranthene	3.9
Chrysene	3.9
Dibenzo(a,h)anthracene	0.33
Indeno(1,2,3-cd)pyrene	0.5
Metals	
Arsenic, Total	16
Lead, Total	400
Mercury, Total	0.81

Notes:
1. **Bold** and shaded value indicates concentration exceeds Restricted-Residential SCOs
2. J = Estimated Concentration
3. ND = Not Detected
4. NA = Not Analyzed
5. *NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
6. All results are in mg/kg
7. Results from Remedial Investigation, Integral Engineering, 2016

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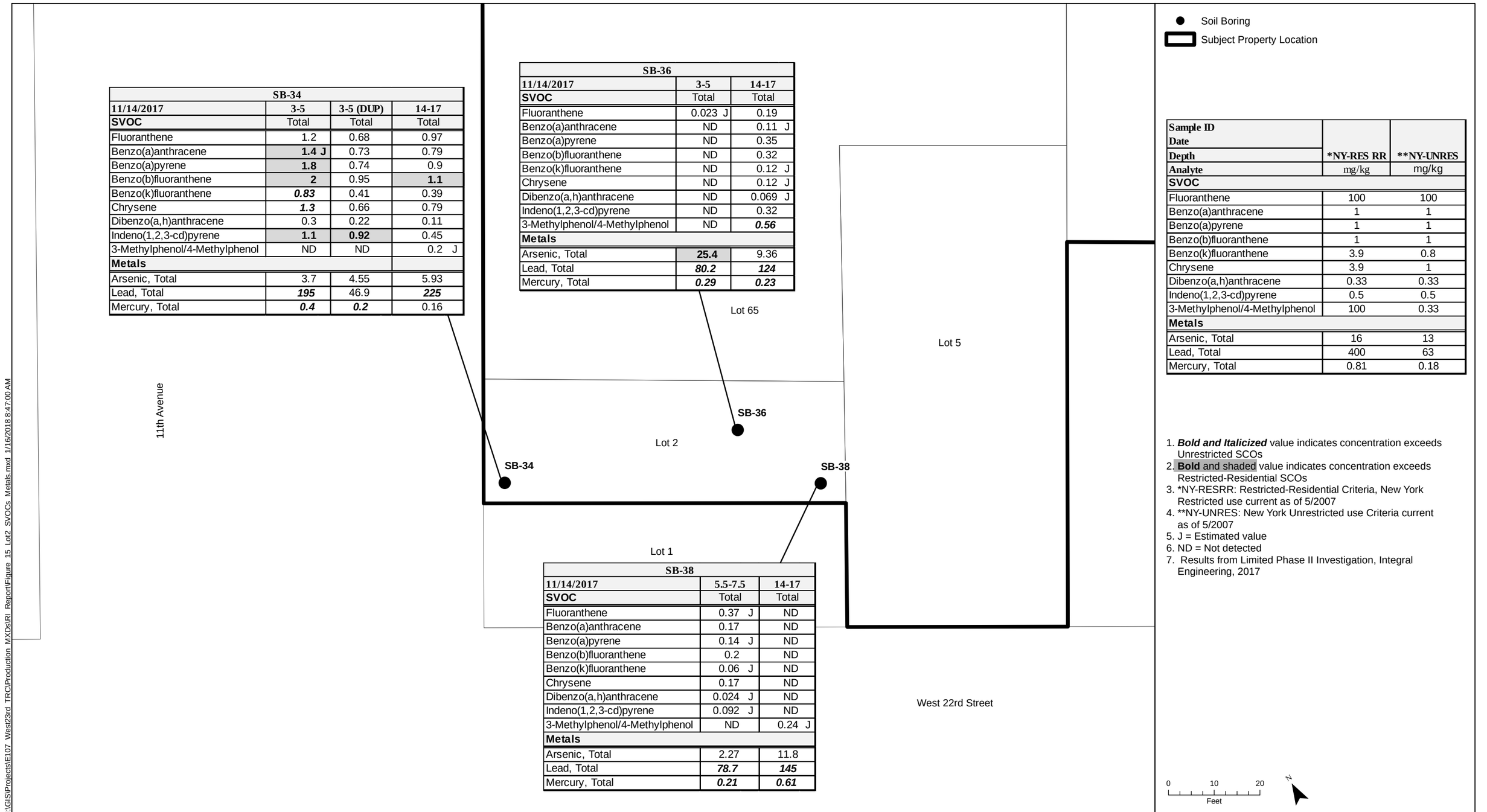
Figure 14.
RI - SVOCs and Metals in Soil Exceeding Part 375 Restricted Residential SCOs
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011

SB-34			
11/14/2017	**3-5**	**3-5 (DUP)**	**14-17**
SVOC	Total	Total	Total
Fluoranthene	1.2	0.68	0.97
Benzo(a)anthracene	**1.4 J**	0.73	0.79
Benzo(a)pyrene	**1.8**	0.74	0.9
Benzo(b)fluoranthene	**2**	0.95	**1.1**
Benzo(k)fluoranthene	***0.83***	0.41	0.39
Chrysene	***1.3***	0.66	0.79
Dibenzo(a,h)anthracene	0.3	0.22	0.11
Indeno(1,2,3-cd)pyrene	**1.1**	**0.92**	0.45
3-Methylphenol/4-Methylphenol	ND	ND	0.2 J
Metals			
Arsenic, Total	3.7	4.55	5.93
Lead, Total	***195***	46.9	***225***
Mercury, Total	***0.4***	***0.2***	0.16

SB-36		
11/14/2017	**3-5**	**14-17**
SVOC	Total	Total
Fluoranthene	0.023 J	0.19
Benzo(a)anthracene	ND	0.11 J
Benzo(a)pyrene	ND	0.35
Benzo(b)fluoranthene	ND	0.32
Benzo(k)fluoranthene	ND	0.12 J
Chrysene	ND	0.12 J
Dibenzo(a,h)anthracene	ND	0.069 J
Indeno(1,2,3-cd)pyrene	ND	0.32
3-Methylphenol/4-Methylphenol	ND	***0.56***
Metals		
Arsenic, Total	**25.4**	9.36
Lead, Total	***80.2***	***124***
Mercury, Total	***0.29***	***0.23***

SB-38		
11/14/2017	**5.5-7.5**	**14-17**
SVOC	Total	Total
Fluoranthene	0.37 J	ND
Benzo(a)anthracene	0.17	ND
Benzo(a)pyrene	0.14 J	ND
Benzo(b)fluoranthene	0.2	ND
Benzo(k)fluoranthene	0.06 J	ND
Chrysene	0.17	ND
Dibenzo(a,h)anthracene	0.024 J	ND
Indeno(1,2,3-cd)pyrene	0.092 J	ND
3-Methylphenol/4-Methylphenol	ND	0.24 J
Metals		
Arsenic, Total	2.27	11.8
Lead, Total	***78.7***	***145***
Mercury, Total	***0.21***	***0.61***



Sample ID Date Depth Analyte	*NY-RES RR	**NY-UNRES
	mg/kg	mg/kg
SVOC		
Fluoranthene	100	100
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	3.9	0.8
Chrysene	3.9	1
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.5	0.5
3-Methylphenol/4-Methylphenol	100	0.33
Metals		
Arsenic, Total	16	13
Lead, Total	400	63
Mercury, Total	0.81	0.18

1. ***Bold and Italicized*** value indicates concentration exceeds Unrestricted SCOs
2. **Bold** and shaded value indicates concentration exceeds Restricted-Residential SCOs
3. *NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
4. **NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
5. J = Estimated value
6. ND = Not detected
7. Results from Limited Phase II Investigation, Integral Engineering, 2017

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Figure 15.
Soil Sampling Results - SVOCs and Metals - Lot 2
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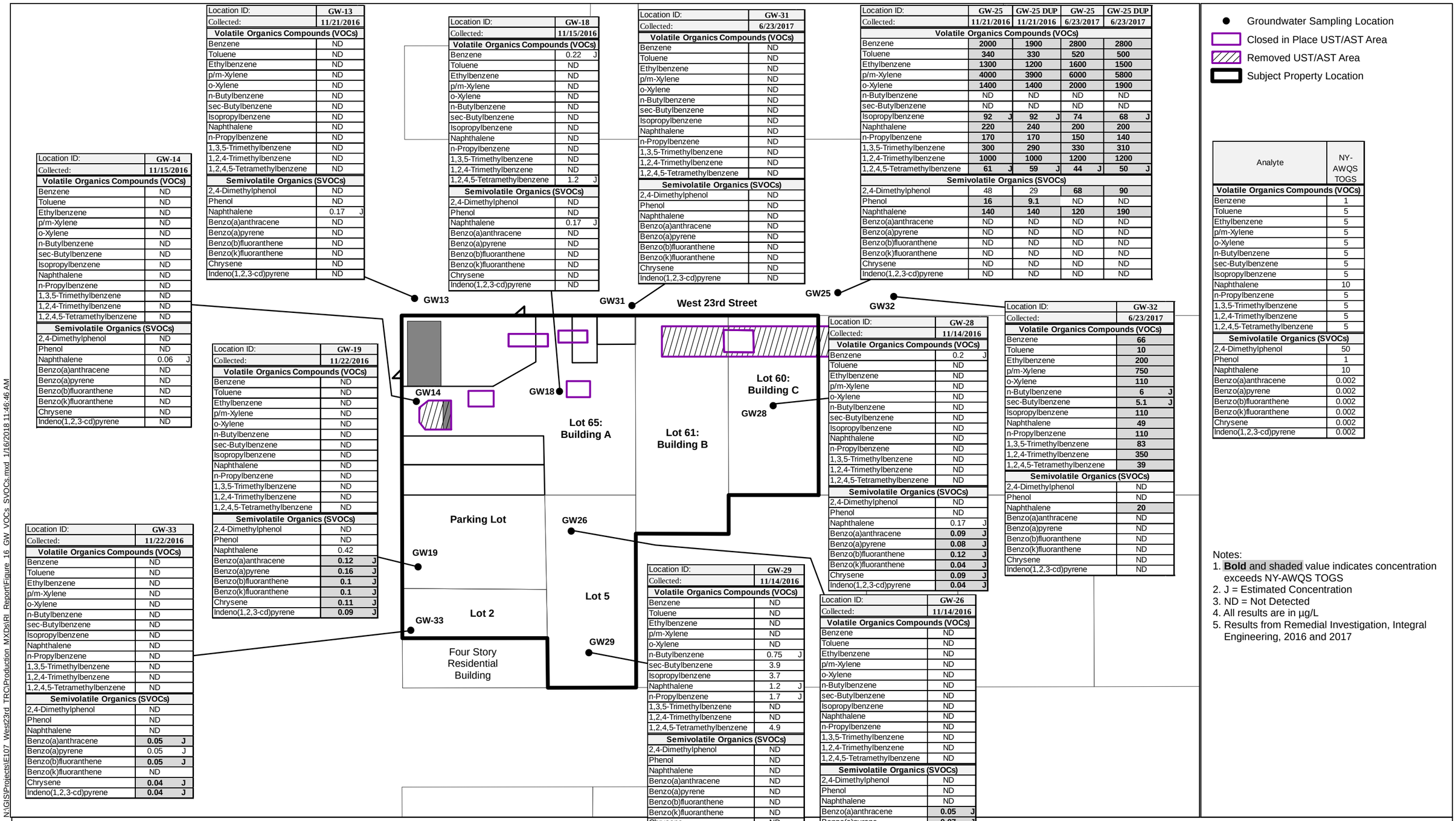

Location ID:	GW-14
Collected:	11/15/2016
Volatile Organics Compounds (VOCs)	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
p/m-Xylene	ND
o-Xylene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
Isopropylbenzene	ND
Naphthalene	ND
n-Propylbenzene	ND
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	ND
1,2,4,5-Tetramethylbenzene	ND
Semivolatile Organics (SVOCs)	
2,4-Dimethylphenol	ND
Phenol	ND
Naphthalene	0.06 J
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND

Location ID:	GW-13
Collected:	11/21/2016
Volatile Organics Compounds (VOCs)	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
p/m-Xylene	ND
o-Xylene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
Isopropylbenzene	ND
Naphthalene	ND
n-Propylbenzene	ND
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	ND
1,2,4,5-Tetramethylbenzene	ND
Semivolatile Organics (SVOCs)	
2,4-Dimethylphenol	ND
Phenol	ND
Naphthalene	0.17 J
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND

Location ID:	GW-18
Collected:	11/15/2016
Volatile Organics Compounds (VOCs)	
Benzene	0.22 J
Toluene	ND
Ethylbenzene	ND
p/m-Xylene	ND
o-Xylene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
Isopropylbenzene	ND
Naphthalene	ND
n-Propylbenzene	ND
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	ND
1,2,4,5-Tetramethylbenzene	1.2 J
Semivolatile Organics (SVOCs)	
2,4-Dimethylphenol	ND
Phenol	ND
Naphthalene	0.17 J
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND

Location ID:	GW-31
Collected:	6/23/2017
Volatile Organics Compounds (VOCs)	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
p/m-Xylene	ND
o-Xylene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
Isopropylbenzene	ND
Naphthalene	ND
n-Propylbenzene	ND
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	ND
1,2,4,5-Tetramethylbenzene	ND
Semivolatile Organics (SVOCs)	
2,4-Dimethylphenol	ND
Phenol	ND
Naphthalene	ND
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND

Location ID:	GW-25	GW-25 DUP	GW-25	GW-25 DUP
Collected:	11/21/2016	11/21/2016	6/23/2017	6/23/2017
Volatile Organics Compounds (VOCs)				
Benzene	**2000**	**1900**	**2800**	**2800**
Toluene	**340**	**330**	**520**	**500**
Ethylbenzene	**1300**	**1200**	**1600**	**1500**
p/m-Xylene	**4000**	**3900**	**6000**	**5800**
o-Xylene	**1400**	**1400**	**2000**	**1900**
n-Butylbenzene	ND	ND	ND	ND
sec-Butylbenzene	ND	ND	ND	ND
Isopropylbenzene	**92 J**	**92 J**	**74**	**68 J**
Naphthalene	**220**	**240**	**200**	**200**
n-Propylbenzene	**170**	**170**	**150**	**140**
1,3,5-Trimethylbenzene	**300**	**290**	**330**	**310**
1,2,4-Trimethylbenzene	**1000**	**1000**	**1200**	**1200**
1,2,4,5-Tetramethylbenzene	**61 J**	**59 J**	**44 J**	**50 J**
Semivolatile Organics (SVOCs)				
2,4-Dimethylphenol	48	29	**68**	**90**
Phenol	**16**	**9.1**	ND	ND
Naphthalene	**140**	**140**	**120**	**190**
Benzo(a)anthracene	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND

Location ID:	GW-19
Collected:	11/22/2016
Volatile Organics Compounds (VOCs)	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
p/m-Xylene	ND
o-Xylene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
Isopropylbenzene	ND
Naphthalene	ND
n-Propylbenzene	ND
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	ND
1,2,4,5-Tetramethylbenzene	ND
Semivolatile Organics (SVOCs)	
2,4-Dimethylphenol	ND
Phenol	ND
Naphthalene	0.42
Benzo(a)anthracene	**0.12 J**
Benzo(a)pyrene	**0.16 J**
Benzo(b)fluoranthene	**0.1 J**
Benzo(k)fluoranthene	**0.1 J**
Chrysene	**0.11 J**
Indeno(1,2,3-cd)pyrene	**0.09 J**

Location ID:	GW-28
Collected:	11/14/2016
Volatile Organics Compounds (VOCs)	
Benzene	0.2 J
Toluene	ND
Ethylbenzene	ND
p/m-Xylene	ND
o-Xylene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
Isopropylbenzene	ND
Naphthalene	ND
n-Propylbenzene	ND
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	ND
1,2,4,5-Tetramethylbenzene	ND
Semivolatile Organics (SVOCs)	
2,4-Dimethylphenol	ND
Phenol	ND
Naphthalene	0.17 J
Benzo(a)anthracene	**0.09 J**
Benzo(a)pyrene	**0.08 J**
Benzo(b)fluoranthene	**0.12 J**
Benzo(k)fluoranthene	**0.04 J**
Chrysene	**0.09 J**
Indeno(1,2,3-cd)pyrene	**0.04 J**

Location ID:	GW-32
Collected:	6/23/2017
Volatile Organics Compounds (VOCs)	
Benzene	**66**
Toluene	**10**
Ethylbenzene	**200**
p/m-Xylene	**750**
o-Xylene	**110**
n-Butylbenzene	**6 J**
sec-Butylbenzene	**5.1 J**
Isopropylbenzene	**110**
Naphthalene	**49**
n-Propylbenzene	**110**
1,3,5-Trimethylbenzene	**83**
1,2,4-Trimethylbenzene	**350**
1,2,4,5-Tetramethylbenzene	**39**
Semivolatile Organics (SVOCs)	
2,4-Dimethylphenol	ND
Phenol	ND
Naphthalene	**20**
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND

Location ID:	GW-33
Collected:	11/22/2016
Volatile Organics Compounds (VOCs)	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
p/m-Xylene	ND
o-Xylene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
Isopropylbenzene	ND
Naphthalene	ND
n-Propylbenzene	ND
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	ND
1,2,4,5-Tetramethylbenzene	ND
Semivolatile Organics (SVOCs)	
2,4-Dimethylphenol	ND
Phenol	ND
Naphthalene	ND
Benzo(a)anthracene	**0.05 J**
Benzo(a)pyrene	0.05 J
Benzo(b)fluoranthene	**0.05 J**
Benzo(k)fluoranthene	ND
Chrysene	**0.04 J**
Indeno(1,2,3-cd)pyrene	**0.04 J**

Location ID:	GW-29
Collected:	11/14/2016
Volatile Organics Compounds (VOCs)	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
p/m-Xylene	ND
o-Xylene	ND
n-Butylbenzene	0.75 J
sec-Butylbenzene	3.9
Isopropylbenzene	3.7
Naphthalene	1.2 J
n-Propylbenzene	1.7 J
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	ND
1,2,4,5-Tetramethylbenzene	4.9
Semivolatile Organics (SVOCs)	
2,4-Dimethylphenol	ND
Phenol	ND
Naphthalene	ND
Benzo(a)anthracene	ND
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Chrysene	ND
Indeno(1,2,3-cd)pyrene	ND

Location ID:	GW-26
Collected:	11/14/2016
Volatile Organics Compounds (VOCs)	
Benzene	ND
Toluene	ND
Ethylbenzene	ND
p/m-Xylene	ND
o-Xylene	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
Isopropylbenzene	ND
Naphthalene	ND
n-Propylbenzene	ND
1,3,5-Trimethylbenzene	ND
1,2,4-Trimethylbenzene	ND
1,2,4,5-Tetramethylbenzene	ND
Semivolatile Organics (SVOCs)	
2,4-Dimethylphenol	ND
Phenol	ND
Naphthalene	ND
Benzo(a)anthracene	**0.05 J**
Benzo(a)pyrene	**0.07 J**
Benzo(b)fluoranthene	**0.07 J**
Benzo(k)fluoranthene	ND
Chrysene	**0.05 J**
Indeno(1,2,3-cd)pyrene	**0.06 J**

- Groundwater Sampling Location
- Closed in Place UST/AST Area
- Removed UST/AST Area
- Subject Property Location

Analyte	NY-AWQS TOGS
Volatile Organics Compounds (VOCs)	
Benzene	1
Toluene	5
Ethylbenzene	5
p/m-Xylene	5
o-Xylene	5
n-Butylbenzene	5
sec-Butylbenzene	5
Isopropylbenzene	5
Naphthalene	10
n-Propylbenzene	5
1,3,5-Trimethylbenzene	5
1,2,4-Trimethylbenzene	5
1,2,4,5-Tetramethylbenzene	5
Semivolatile Organics (SVOCs)	
2,4-Dimethylphenol	50
Phenol	1
Naphthalene	10
Benzo(a)anthracene	0.002
Benzo(a)pyrene	0.002
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002

Notes:
1. **Bold** and shaded value indicates concentration exceeds NY-AWQS TOGS
2. J = Estimated Concentration
3. ND = Not Detected
4. All results are in µg/L
5. Results from Remedial Investigation, Integral Engineering, 2016 and 2017

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N

integral engineering pc.
61 Broadway, Suite 1601
New York, New York 10006
www.integral-corp.com

Figure 16.
RI – VOCs and SVOCs in Groundwater
Exceeding TOGS AWQSs
Remedial Investigation Report
555 West 22nd Street, New York, NY 10011

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TABLES

TABLE 1

Soil Analytical Data Summary - VOCs
Phase II Subsurface Investigation
Block 694, Lot 5, 60, 61, and 65
Manhattan, New York

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	**NY-RESRR	*NY-UNRES	W23-SB01 (9-10') L1602637-01 2/1/2016 Soil mg/kg	W23-SB02 (8-9') L1602637-02 2/1/2016 Soil mg/kg	W23-SB02 (8-9') DUPLICATE L1602637-07 2/1/2016 Soil mg/kg	W23-SB03 (2-3') L1602637-03 2/1/2016 Soil mg/kg	W23-SB04 (5-7') L1602637-04 2/1/2016 Soil mg/kg	W23-SB05 (1-2') L1602637-05 2/1/2016 Soil mg/kg	W23-SB06 (1-2') L1602637-06 2/1/2016 Soil mg/kg	W23-SB07 (6.5-7.5') L1602736-01 2/2/2016 Soil mg/kg	W23-SB08 (7.5-8.5') L1602736-02 2/2/2016 Soil mg/kg	W23-SB09 (1-2') L1602736-03 2/2/2016 Soil mg/kg	W23-SB10 (1-2') L1602736-04 2/2/2016 Soil mg/kg	W23-SB11 (6.5-7.5') L1602736-05 2/2/2016 Soil mg/kg	W23-SB12 (1-2') L1602736-06 2/2/2016 Soil mg/kg
Volatile Organics															
Methylene chloride	100	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	26	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	49	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0016J	ND	ND
Carbon tetrachloride	2.4	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0024	ND	ND
1,2-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	19	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.034	0.00059J	0.0083
Chlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	3.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	100	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0016	ND	0.0031
Bromodichloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	4.8	0.06	ND	ND	ND	ND	ND	ND	ND	ND	***0.44J***	ND	ND	ND	ND
Toluene	100	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0016J	0.00064J	ND
Ethylbenzene	41	1	ND	***1.2J***	0.34J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.9	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011
1,2-Dichlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	49	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	100	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p/m-Xylene	NS	NS	ND	0.59J	0.19J	ND	ND	ND	ND	ND	ND	0.00077J	0.0012J	ND	ND
o-Xylene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0008J
Xylenes, Total	100	0.26	ND	***0.59J***	0.19J	ND	ND	ND	ND	ND	ND	0.00077J	0.0012J	ND	0.0008J
cis-1,2-Dichloroethene	100	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100	0.05	0.026	ND	ND	0.01J	0.0054J	0.012	0.0049J	0.019	ND	0.028	0.0069J	0.034	0.041
Carbon disulfide	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0012J	ND
2-Butanone	100	0.12	0.0053J	ND	ND	ND	ND	ND	ND	0.0023J	ND	ND	ND	0.0054J	0.0036J
Vinyl acetate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	100	12	ND	4.2	2	ND	ND	ND	ND	ND	3.6	ND	ND	ND	ND
sec-Butylbenzene	100	11	ND	3.1	1.3	ND	ND	ND	ND	ND	2.8	ND	ND	ND	ND
tert-Butylbenzene	100	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	NS	ND	7.8	2.4	ND	ND	ND	ND	ND	4.4	ND	ND	ND	ND
p-Isopropyltoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	0.0016
Naphthalene	100	12	ND	1.6J	0.97J	0.0034J	ND	ND	ND	ND	1.4J	ND	ND	ND	ND
Acrylonitrile	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	100	3.9	ND	***15***	***5.5***	ND	ND	ND	ND	ND	***8***	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	52	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0015J	ND	0.0013J
1,2,4-Trimethylbenzene	52	3.6	ND	1J	0.4J	ND	ND	ND	ND	ND	ND	ND	0.0026J	ND	0.0014J
1,4-Dioxane	13	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	NS	NS	ND	10	5.1	ND	ND	ND	ND	ND	3.8	ND	0.00057J	ND	0.00046J
p-Ethyltoluene	NS	NS	ND	0.58J	ND	ND	ND	ND	ND	ND	0.45J	ND	0.0012J	ND	0.00057J
1,2,4,5-Tetramethylbenzene	NS	NS	ND	36	22	ND	ND	ND	ND	ND	6.3	ND	ND	ND	ND
Ethyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value indicates concentration exceeds Restricted-Residential SCOs
J = Estimated value
ND = Not detected
NS = No Standard
* = 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs
** = 6 NYCRR Part 375-6.8(b) Restricted Residential Use SCOs Restricted-Residential

TABLE 2

Soil Analytical Data Summary - SVOCs
Phase II Subsurface Investigation
Block 694, Lot 5, 60, 61, and 65
Manhattan, New York

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	**NY-RESRR	*NY-UNRES	W23-SB01 (2-3') L1602637-08 2/1/2016 Soil mg/kg	W23-SB01 (9-10') L1602637-01 2/1/2016 Soil mg/kg	W23-SB02 (2-3') L1602637-09 2/1/2016 Soil mg/kg	W23-SB02 (8-9') L1602637-02 2/1/2016 Soil mg/kg	W23-SB02 (8-9') DUPLICATE L1602637-07 2/1/2016 Soil mg/kg	W23-SB03 (2-3') L1602637-03 2/1/2016 Soil mg/kg	W23-SB04 (5-7') L1602637-04 2/1/2016 Soil mg/kg	W23-SB05 (1-2') L1602637-05 2/1/2016 Soil mg/kg	W23-SB06 (1-2') L1602637-06 2/1/2016 Soil mg/kg	W23-SB07 (6.5-7.5') L1602736-01 2/2/2016 Soil mg/kg	W23-SB08 (1-2') L1602736-08 2/2/2016 Soil mg/kg	W23-SB08 (7.5-8.5') L1602736-02 2/2/2016 Soil mg/kg	W23-SB09 (1-2') L1602736-03 2/2/2016 Soil mg/kg	W23-SB09 (6-7') L1602736-09 2/2/2016 Soil mg/kg	W23-SB10 (1-2') L1602736-04 2/2/2016 Soil mg/kg	W23-SB11 (1-2') L1602736-11 2/2/2016 Soil mg/kg	W23-SB11 (6.5-7.5') L1602736-05 2/2/2016 Soil mg/kg	W23-SB12 (1-2') L1602736-06 2/2/2016 Soil mg/kg
Semivolatile Organics																				
1,2,4-Trichlorobenzene	NS	NS	-	ND	-	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	-	ND	-	ND	ND
1,2-Dichlorobenzene	100	1.1	-	ND	-	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	-	ND	-	ND	ND
1,3-Dichlorobenzene	49	2.4	-	ND	-	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	-	ND	-	ND	ND
1,4-Dichlorobenzene	13	1.8	-	ND	-	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	-	ND	-	ND	ND
Benzoic Acid	NS	NS	-	ND	-	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	-	ND	-	ND	ND
Benzyl Alcohol	NS	NS	-	ND	-	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	-	ND	-	ND	ND
Acenaphthene	100	20	0.13J	ND	1.1	ND	ND	0.6	0.26	0.62	ND	ND	0.94	ND	ND	ND	1	0.17	ND	0.16
2-Chloronaphthalene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	1.2	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	100	2.3	ND	23	0.037J	0.25	15	5.8	8.8	0.18	ND	7.3	ND	0.097J	0.032J	9.2	1.6	0.033J	5.4
4-Chlorophenyl phenyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.034J
Naphthalene	100	12	0.062J	ND	0.97	ND	ND	0.28	0.094J	0.34J	ND	ND	1.7	0.86	ND	ND	0.36J	0.17J	ND	0.23
Nitrobenzene	15	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NitrosoDiPhenylAmine(NDPA)/DPA	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	1	***1.2***	ND	***11***	0.028J	0.22	***7***	***4.5***	***8.3***	0.16	ND	***8.2***	0.068J	0.04J	***9.4***	***1.8***	0.039J	***3.3***	
Benzo(a)pyrene	1	1	***1.2***	ND	***10***	ND	0.35	***6.3***	***4.8***	***14***	0.24	ND	***18***	ND	0.082J	ND	***20***	***3.6***	0.064J	***4.6***
Benzo(b)fluoranthene	1	1	***1.5***	ND	***13***	0.042J	0.35	***9.8***	***5.2***	***16***	0.24	ND	***18***	ND	0.094J	0.053	***19***	***3.6***	0.052J	***5.8***
Benzo(k)fluoranthene	3.9	0.8	0.55	ND	***4.6***	ND	0.16	***2.6***	***3.4***	***5.3***	0.12	ND	***5.2***	0.036J	0.018J	***8.5***	***1.2***	ND	***1.8***	
Chrysene	3.9	1	***1***	ND	***9.8***	0.026J	0.2	***6***	***3.6***	***7.6***	0.14	ND	***7.8***	ND	0.059J	0.035J	***8.5***	***1.6***	0.033J	***3.3***
Acenaphthylene	100	100	0.2	ND	1.9	ND	ND	0.66	0.034J	0.11J	ND	ND	0.16	ND	ND	ND	ND	0.079J	ND	0.47
Anthracene	100	100	0.39	ND	4.2	ND	0.064J	2.2	1.3	1.7	ND	ND	1.4	ND	ND	ND	1.7	0.32	ND	0.62
Benzo(ghi)perylene	100	100	0.78	ND	6.8	0.034J	0.22	4	2.7	9.2	0.17	ND	16	ND	0.054J	0.025J	17	3.1	0.043J	3.6
Fluorene	100	30	0.1J	ND	0.8	ND	ND	0.6	0.14J	0.28J	ND	ND	0.35	ND	ND	ND	0.38J	0.074J	ND	0.12J
Phenanthrene	100	100	1.2	ND	15E	0.05J	0.21	6.9	3.5	4.8	0.083J	ND	4	ND	0.066J	0.024J	5.1	0.91	ND	2.4
Dibenzo(a,h)anthracene	0.33	0.33	0.17	ND	***1.6***	ND	0.071J	***1.5***	***1.1***	***3.1***	0.045J	ND	***5.2***	ND	ND	***3.7***	***0.65***	ND	***0.85***	
Indeno(1,2,3-cd)Pyrene	0.5	0.5	***0.88***	ND	***6.9***	ND	0.2	***3.6***	***2.7***	***9.1***	0.16	ND	***19***	ND	0.044J	0.027J	***14***	***3.5***	0.033J	***3.9***
Pyrene	100	100	2	ND	17E	0.035J	0.24	13	4.6	7.8	0.16	ND	7.2	ND	0.09J	0.036J	9.2	1.6	0.033J	5.2
4-Chloroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	59	7	0.057J	ND	1	ND	ND	0.29	0.14J	0.28J	ND	ND	0.28	ND	ND	ND	0.28J	0.059J	ND	0.13J
2-Methylnaphthalene	NS	NS	0.024J	ND	0.42	0.1J	0.2J	0.1J	0.041J	0.13J	ND	ND	0.94	1.1	ND	ND	0.12J	0.095J	ND	0.1J
2,4,6-Trichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
P-Chloro-M-Cresol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NS	NS	ND	ND	0.067J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	6.7	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	100	0.33	ND	ND	0.082J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	100	0.33	ND	ND	0.042J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	100	0.33	ND	ND	0.16J	ND	ND	0.045J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.038J	ND
2,4,5-Trichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	NS	0.16J	ND	1.7	ND	ND	0.84	0.45	0.68J	ND	ND	0.7	ND	ND	ND	0.96	0.17J	ND	0.27
4-Nitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzaldehyde	NS	NS	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	-	ND	ND	-	-
Caprolactam	NS	NS	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	-	ND	ND	-	-
Acetophenone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	NS	NS	ND	ND	0.16J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Atrazine	NS	NS	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	-	ND	-	-	-
2,3,4,6-Tetrachlorophenol	NS	NS	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	-	ND	-	-	-

Notes:
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value indicates
J = Estimated value
ND = Not detected
NS = No Standard
- = Not Analyzed
* = 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs
** = 6 NYCRR Part 375-6.8(b)

TABLE 3

Soil Analytical Data Summary - Total Metals
Phase II Subsurface Investigation
Block 694, Lot 5, 60, 61, and 65
Manhattan, New York

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	W23-SB01 (2-3') L1602637-08 2/1/2016 Soil mg/kg	W23-SB01 (9-10') L1602637-01 2/1/2016 Soil mg/kg	W23-SB02 (2-3') L1602637-09 2/1/2016 Soil mg/kg	W23-SB02 (8-9') L1602637-02 2/1/2016 Soil mg/kg	W23-SB02 (8-9') DUPLICATE L1602637-07 2/1/2016 Soil mg/kg	W23-SB03 (2-3') L1602637-03 2/1/2016 Soil mg/kg	W23-SB04 (5-7') L1602637-04 2/1/2016 Soil mg/kg	W23-SB05 (1-2') L1602637-05 2/1/2016 Soil mg/kg	W23-SB06 (1-2') L1602637-06 2/1/2016 Soil mg/kg	W23-SB07 (6.5-7.5') L1602736-01 2/2/2016 Soil mg/kg	W23-SB08 (1-2') L1602736-08 2/2/2016 Soil mg/kg	W23-SB08 (7.5-8.5') L1602736-02 2/2/2016 Soil mg/kg	W23-SB09 (1-2') L1602736-03 2/2/2016 Soil mg/kg	W23-SB09 (6-7') L1602736-09 2/2/2016 Soil mg/kg	W23-SB10 (1-2') L1602736-04 2/2/2016 Soil mg/kg	W23-SB11 (1-2') L1602736-11 2/2/2016 Soil mg/kg	W23-SB11 (6.5-7.5') L1602736-05 2/2/2016 Soil mg/kg	W23-SB12 (1-2') L1602736-06 2/2/2016 Soil mg/kg
Total Metals																				
Aluminum, Total	NS	NS	1900	7300	3700	6300	7600	3500	7000	4200	5200	6800	5000	6600	7100	6600	6300	4700	5800	4700
Antimony, Total	NS	NS	18	ND	1.8J	1.4J	ND	3.8J	1.4J	3.1J	ND	ND	6.4	ND	1J	1J	0.79J	1.5J	ND	1.4J
Arsenic, Total	16	13	2.8	1.6	3.2	11	***14***	4.2	6.6	***16***	***33***	3.5	***18***	3	5.4	3.6	5.5	3	3.3	3.8
Barium, Total	400	350	110	68	89	60	85	100	120	180	180	54	86	61	110	65	74	93	83	63
Beryllium, Total	72	7.2	0.1J	0.27J	0.13J	0.3J	0.29J	0.14J	0.32J	0.26J	0.38J	0.3J	0.37J	0.29J	0.32J	0.3J	0.55	0.29J	0.28J	0.24J
Cadmium, Total	4.3	2.5	0.22J	ND	0.13J	ND	ND	ND	ND	0.1J	ND	ND	ND	ND	ND	ND	ND	0.09J	ND	ND
Calcium, Total	NS	NS	12000	2900	22000	8100	30000	36000	5700	8100	5900	22000	9100	9500	6200	4000	3700	23000	9000	16000
Chromium, Total	NS	NS	10	14	9.5	18	18	8	13	26	12	10	16	11	11	11	12	11	11	8.7
Cobalt, Total	NS	NS	6.7	4.9	3.7	5.2	11	2.9	5.3	4.8	4.8	5	5.6	4.9	4.6	5.5	5.4	4.2	3.5	3.5
Copper, Total	270	50	***73***	13	***110***	***57***	***57***	***220***	29	***60***	***73***	13	44	16	27	16	30	49	14	***90***
Iron, Total	NS	NS	6400	10000	8200	13000	20000	8700	14000	20000	11000	12000	17000	13000	12000	12000	13000	8700	9300	12000
Lead, Total	400	63	***87***	37	***120***	***150***	***580***	***210***	***110***	***350***	***420***	30	***980***	***120***	***100***	***96***	***88***	***94***	***120***	***280***
Magnesium, Total	NS	NS	1400	2200	3600	2600	9900	2800	2200	1800	1400	3600	1400	2500	2300	2500	2000	2600	2100	2200
Manganese, Total	2000	1600	87	130	160	170	540	170	130	210	140	350	140	180	210	170	260	260	190	200
Mercury, Total	0.81	0.18	***0.68***	***0.22***	***0.37***	0.14	***0.38***	***0.51***	0.1	***0.96***	***0.77***	0.06J	***0.25***	***0.26***	***0.3***	***1.2***	0.14	***0.28***	***0.7***	***0.25***
Nickel, Total	310	30	7.1	9	8.5	16	**110**	9.2	13	12	11	18	14	14	11	12	15	14	9	9.8
Potassium, Total	NS	NS	420	980	1200	640	1200	820	820	1000	1000	630	680	750	1500	1200	710	970	1000	740
Selenium, Total	180	3.9	ND	0.43J	ND	1.8J	1.6J	0.42J	0.44J	1.4J	0.83J	0.52J	0.6J	0.55J	0.48J	ND	0.34J	ND	0.35J	0.52J
Silver, Total	180	2	0.2J	ND	0.26J	ND	0.42J	0.45J	ND	0.27J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	NS	NS	580	190	790	540	700	390	320	950	580	250	1400	640	230	280	320	650	240	280
Thallium, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	NS	NS	7.4	19	12	18	41	13	16	16	15	15	12	13	16	14	15	15	14	12
Zinc, Total	10000	109	***320***	26	100	48	**140**	**140**	93	**170**	**140**	28	***170***	39	47	32	93	56	33	***110***

Notes:
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value
J = Estimated value
ND = Not detected
NS = No Standard
- = Not Analyzed
* = 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs
** = 6 NYCRR Part 375-6.8(b)

TABLE 4

Soil Analytical Data Summary - Pesticides
Phase II Subsurface Investigation
Block 694, Lot 5, 60, 61, and 65
Manhattan, New York

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	W23-SB01 (2-3') L1602637-08 2/1/2016 Soil mg/kg	W23-SB01 (9-10') L1602637-01 2/1/2016 Soil mg/kg	W23-SB02 (2-3') L1602637-09 2/1/2016 Soil mg/kg	W23-SB02 (8-9') L1602637-02 2/1/2016 Soil mg/kg	W23-SB02 (8-9') DUPLICATE L1602637-07 2/1/2016 Soil mg/kg	W23-SB03 (2-3') L1602637-03 2/1/2016 Soil mg/kg	W23-SB04 (5-7') L1602637-04 2/1/2016 Soil mg/kg	W23-SB05 (1-2') L1602637-05 2/1/2016 Soil mg/kg	W23-SB06 (1-2') L1602637-06 2/1/2016 Soil mg/kg	W23-SB07 (6.5-7.5') L1602736-01 2/2/2016 Soil mg/kg	W23-SB08 (1-2') L1602736-08 2/2/2016 Soil mg/kg	W23-SB08 (7.5-8.5') L1602736-02 2/2/2016 Soil mg/kg	W23-SB09 (1-2') L1602736-03 2/2/2016 Soil mg/kg	W23-SB09 (6-7') L1602736-09 2/2/2016 Soil mg/kg	W23-SB10 (1-2') L1602736-04 2/2/2016 Soil mg/kg	W23-SB11 (1-2') L1602736-11 2/2/2016 Soil mg/kg	W23-SB11 (6.5-7.5') L1602736-05 2/2/2016 Soil mg/kg	W23-SB12 (1-2') L1602736-06 2/2/2016 Soil mg/kg
Pesticides																				
Delta-BHC	100	0.04	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Lindane	1.3	0.1	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Alpha-BHC	0.48	0.02	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Beta-BHC	0.36	0.036	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Heptachlor	2.1	0.042	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Aldrin	0.097	0.005	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Heptachlor epoxide	NS	NS	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Endrin	11	0.014	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Endrin aldehyde	NS	NS	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Endrin ketone	NS	NS	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Dieldrin	0.2	0.005	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
4,4'-DDE	8.9	0.0033	ND	-	***0.0206***	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
4,4'-DDD	13	0.0033	ND	-	0.00189	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
4,4'-DDT	7.9	0.0033	ND	-	***0.0195***	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Endosulfan I	24	2.4	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Endosulfan II	24	2.4	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Endosulfan sulfate	24	2.4	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Methoxychlor	NS	NS	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Toxaphene	NS	NS	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Chlordane	NS	NS	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
cis-Chlordane	4.2	0.094	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
trans-Chlordane	NS	NS	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-

Notes:
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value
J = Estimated value
ND = Not detected
NS = No Standard
- = Not Analyzed
* = 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs
** = 6 NYCRR Part 375-

TABLE 5

Soil Analytical Data Summary - PCBs
Phase II Subsurface Investigation
Block 694, Lot 5, 60, 61, and 65
Manhattan, New York

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	W23-SB01 (2-3') L1602637-08 2/1/2016 Soil mg/kg	W23-SB01 (9-10') L1602637-01 2/1/2016 Soil mg/kg	W23-SB02 (2-3') L1602637-09 2/1/2016 Soil mg/kg	W23-SB02 (8-9') L1602637-02 2/1/2016 Soil mg/kg	W23-SB02 (8-9') DUPLICATE L1602637-07 2/1/2016 Soil mg/kg	W23-SB03 (2-3') L1602637-03 2/1/2016 Soil mg/kg	W23-SB04 (5-7') L1602637-04 2/1/2016 Soil mg/kg	W23-SB05 (1-2') L1602637-05 2/1/2016 Soil mg/kg	W23-SB06 (1-2') L1602637-06 2/1/2016 Soil mg/kg	W23-SB07 (6.5-7.5') L1602736-01 2/2/2016 Soil mg/kg	W23-SB08 (1-2') L1602736-08 2/2/2016 Soil mg/kg	W23-SB08 (7.5-8.5') L1602736-02 2/2/2016 Soil mg/kg	W23-SB09 (1-2') L1602736-03 2/2/2016 Soil mg/kg	W23-SB09 (6-7') L1602736-09 2/2/2016 Soil mg/kg	W23-SB10 (1-2') L1602736-04 2/2/2016 Soil mg/kg	W23-SB11 (1-2') L1602736-11 2/2/2016 Soil mg/kg	W23-SB11 (6.5-7.5') L1602736-05 2/2/2016 Soil mg/kg	W23-SB12 (1-2') L1602736-06 2/2/2016 Soil mg/kg
Polychlorinated Biphenyls (PCBs)																				
Aroclor 1016	1	0.1	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Aroclor 1221	1	0.1	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Aroclor 1232	1	0.1	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Aroclor 1242	1	0.1	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Aroclor 1248	1	0.1	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Aroclor 1254	1	0.1	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Aroclor 1260	1	0.1	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	0.0156J	-	-
Aroclor 1262	1	0.1	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
Aroclor 1268	1	0.1	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	ND	-	-
PCBs, Total	NS	NS	ND	-	ND	-	-	-	-	-	-	-	ND	-	-	ND	-	0.0156J	-	-

Notes:
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded
J = Estimated value
ND = Not detected
NS = No Standard
- = Not Analyzed
* = 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs
** = 6 NYCRR Part

TABLE 6

Soil Analytical Data Summary - VOCs
Phase II Subsurface Investigation
Block 694, Lot 2
Manhattan, New York

Sample ID			LOT2-SB1 (7-9)	LOT2-SB2 (4-6)	LOT2-SB3 (6-8)	LOT2-SB4 (6-8)
Lab Sample ID			L1721363-09	L1721363-10	L1721363-11	L1721363-12
Date of Sampling			6/22/2017	6/22/2017	6/22/2017	6/22/2017
Sample Media	NY-RESRR	NY-UNRES	Soil	Soil	Soil	Soil
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organics						
Methylene chloride	100	0.05	ND	ND	ND	ND
1,1-Dichloroethane	26	0.27	ND	ND	ND	ND
Chloroform	49	0.37	ND	ND	ND	ND
Carbon tetrachloride	2.4	0.76	ND	ND	ND	ND
1,2-Dichloropropane	NS	NS	ND	ND	ND	ND
Dibromochloromethane	NS	NS	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	ND	ND	ND	ND
Tetrachloroethene	19	1.3	ND	ND	ND	ND
Chlorobenzene	100	1.1	ND	ND	ND	ND
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND
1,2-Dichloroethane	3.1	0.02	ND	ND	ND	ND
1,1,1-Trichloroethane	100	0.68	ND	ND	ND	ND
Bromodichloromethane	NS	NS	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	ND	ND	ND	ND
1,1-Dichloropropene	NS	NS	ND	ND	ND	ND
Bromoform	NS	NS	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND
Benzene	4.8	0.06	ND	ND	ND	ND
Toluene	100	0.7	ND	ND	ND	ND
Ethylbenzene	41	1	ND	ND	ND	ND
Chloromethane	NS	NS	ND	ND	ND	ND
Bromomethane	NS	NS	ND	ND	ND	ND
Vinyl chloride	0.9	0.02	ND	ND	ND	ND
Chloroethane	NS	NS	ND	ND	ND	ND
1,1-Dichloroethene	100	0.33	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	0.19	ND	ND	ND	ND
Trichloroethene	21	0.47	ND	ND	ND	ND
1,2-Dichlorobenzene	100	1.1	ND	ND	ND	ND
1,3-Dichlorobenzene	49	2.4	ND	ND	ND	ND
1,4-Dichlorobenzene	13	1.8	ND	ND	ND	ND
Methyl tert butyl ether	100	0.93	ND	ND	ND	ND
p/m-Xylene	NS	NS	ND	ND	ND	ND
o-Xylene	NS	NS	ND	ND	ND	ND
Xylenes, Total	100	0.26	ND	ND	ND	ND
cis-1,2-Dichloroethene	100	0.25	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	ND	ND	ND	ND
Dibromomethane	NS	NS	ND	ND	ND	ND
Styrene	NS	NS	ND	ND	ND	ND
Dichlorodifluoromethane	NS	NS	ND	ND	ND	ND
Acetone	100	0.05	0.011	0.0038 J	0.0073 J	0.0046 J
Carbon disulfide	NS	NS	ND	ND	ND	ND
2-Butanone	100	0.12	ND	ND	ND	ND
Vinyl acetate	NS	NS	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	ND	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	ND	ND	ND	ND
2-Hexanone	NS	NS	ND	ND	ND	ND
Bromochloromethane	NS	NS	ND	ND	ND	ND
2,2-Dichloropropane	NS	NS	ND	ND	ND	ND
1,2-Dibromoethane	NS	NS	ND	ND	ND	ND
1,3-Dichloropropane	NS	NS	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND
Bromobenzene	NS	NS	ND	ND	ND	ND
n-Butylbenzene	100	12	ND	ND	ND	ND
sec-Butylbenzene	100	11	ND	ND	ND	ND
tert-Butylbenzene	100	5.9	ND	ND	ND	ND
o-Chlorotoluene	NS	NS	ND	ND	ND	ND
p-Chlorotoluene	NS	NS	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND
Isopropylbenzene	NS	NS	ND	ND	ND	ND
p-Isopropyltoluene	NS	NS	ND	ND	ND	ND
Naphthalene	100	12	ND	ND	ND	ND
Acrylonitrile	NS	NS	ND	ND	ND	ND
n-Propylbenzene	100	3.9	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND
1,3,5-Trimethylbenzene	52	8.4	ND	ND	ND	ND
1,2,4-Trimethylbenzene	52	3.6	ND	ND	ND	ND
1,4-Dioxane	13	0.1	ND	ND	ND	ND
p-Diethylbenzene	NS	NS	ND	ND	ND	ND
p-Ethyltoluene	NS	NS	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	ND	ND	ND	ND
Ethyl ether	NS	NS	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	ND	ND	ND	ND

Notes:
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value indicates concentration exceeds Restricted-Residential SCOs
*NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
**NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
J = Estimated value
P - The RPD between the results for the two columns exceeds the method-specified criteria.
I - The lower value for the two columns has been reported due to obvious interference.
ND = Not detected
NS = No Standard
- = Not Analyzed

TABLE 7

Soil Analytical Data Summary- SVOCs
Phase II Subsurface Investigation
Block 694, Lot 2
Manhattan, New York

Sample ID			LOT2-SB1 (7-9)		LOT2-SB2 (4-6)		LOT2-SB3 (6-8)		LOT2-SB4 (6-8)	
Lab Sample ID			L1721363-09		L1721363-10		L1721363-11		L1721363-12	
Date of Sampling			6/22/2017		6/22/2017		6/22/2017		6/22/2017	
Sample Media	NY-RESRR	NY-UNRES	Soil		Soil		Soil		Soil	
Unit of Measure			mg/kg		mg/kg		mg/kg		mg/kg	
Semivolatile Organics										
Acenaphthene	100	20	0.17		0.84		ND		ND	
1,2,4-Trichlorobenzene	NS	NS	ND		ND		ND		ND	
Hexachlorobenzene	1.2	0.33	ND		ND		ND		ND	
Bis(2-chloroethyl)ether	NS	NS	ND		ND		ND		ND	
2-Chloronaphthalene	NS	NS	ND		ND		ND		ND	
1,2-Dichlorobenzene	100	1.1	ND		ND		ND		ND	
1,3-Dichlorobenzene	49	2.4	ND		ND		ND		ND	
1,4-Dichlorobenzene	13	1.8	ND		ND		ND		ND	
3,3'-Dichlorobenzidine	NS	NS	ND		ND		ND		ND	
2,4-Dinitrotoluene	NS	NS	ND		ND		ND		ND	
2,6-Dinitrotoluene	NS	NS	ND		ND		ND		ND	
Fluoranthene	100	100	3.2		8.8		0.032	J	0.12	
4-Chlorophenyl phenyl ether	NS	NS	ND		ND		ND		ND	
4-Bromophenyl phenyl ether	NS	NS	ND		ND		ND		ND	
Bis(2-chloroisopropyl)ether	NS	NS	ND		ND		ND		ND	
Bis(2-chloroethoxy)methane	NS	NS	ND		ND		ND		ND	
Hexachlorobutadiene	NS	NS	ND		ND		ND		ND	
Hexachlorocyclopentadiene	NS	NS	ND		ND		ND		ND	
Hexachloroethane	NS	NS	ND		ND		ND		ND	
Isophorone	NS	NS	ND		ND		ND		ND	
Naphthalene	100	12	0.14	J	0.78		ND		0.037	J
Nitrobenzene	15	NS	ND		ND		ND		ND	
NDPA/DPA	NS	NS	ND		ND		ND		ND	
n-Nitrosodi-n-propylamine	NS	NS	ND		ND		ND		ND	
Bis(2-ethylhexyl)phthalate	NS	NS	ND		ND		ND		ND	
Butyl benzyl phthalate	NS	NS	ND		ND		ND		0.058	J
Di-n-butylphthalate	NS	NS	ND		ND		ND		ND	
Di-n-octylphthalate	NS	NS	ND		ND		ND		ND	
Diethyl phthalate	NS	NS	ND		ND		ND		ND	
Dimethyl phthalate	NS	NS	ND		ND		ND		ND	
Benzo(a)anthracene	1	1	**2.2**		**9.2**		0.031	J	0.072	J
Benzo(a)pyrene	1	1	**3.3**		**14**		ND		0.082	J
Benzo(b)fluoranthene	1	1	**3.6**		**23**		0.052	J	0.09	J
Benzo(k)fluoranthene	3.9	0.8	***1.1***		**4.8**		ND		0.037	J
Chrysene	3.9	1	***2.1***		**8.9**		0.028	J	0.069	J
Acenaphthylene	100	100	0.13	J	0.08	J	ND		ND	
Anthracene	100	100	0.57		1.9		ND		ND	
Benzo(ghi)perylene	100	100	2.3		11		0.045	J	0.055	J
Fluorene	100	30	0.16	J	0.44		ND		ND	
Phenanthrene	100	100	2.3		6.4		ND		0.11	
Dibenzo(a,h)anthracene	0.33	0.33	**0.53**		**2.6**		ND		ND	
Indeno(1,2,3-cd)pyrene	0.5	0.5	**2.6**		**12**		0.044	J	0.057	J
Pyrene	100	100	2.9		8.5		0.031	J	0.11	
Biphenyl	NS	NS	ND		0.12	J	ND		ND	
4-Chloroaniline	NS	NS	ND		ND		ND		ND	
2-Nitroaniline	NS	NS	ND		ND		ND		ND	
3-Nitroaniline	NS	NS	ND		ND		ND		ND	
4-Nitroaniline	NS	NS	ND		ND		ND		ND	
Dibenzofuran	59	7	0.12	J	0.5		ND		ND	
2-Methylnaphthalene	NS	NS	0.053	J	0.7		ND		0.036	J
1,2,4,5-Tetrachlorobenzene	NS	NS	ND		ND		ND		ND	
Acetophenone	NS	NS	ND		ND		ND		ND	
2,4,6-Trichlorophenol	NS	NS	ND		ND		ND		ND	
p-Chloro-m-cresol	NS	NS	ND		ND		ND		ND	
2-Chlorophenol	NS	NS	ND		ND		ND		ND	
2,4-Dichlorophenol	NS	NS	ND		ND		ND		ND	
2,4-Dimethylphenol	NS	NS	ND		ND		ND		ND	
2-Nitrophenol	NS	NS	ND		ND		ND		ND	
4-Nitrophenol	NS	NS	ND		ND		ND		ND	
2,4-Dinitrophenol	NS	NS	ND		ND		ND		ND	
4,6-Dinitro-o-cresol	NS	NS	ND		ND		ND		ND	
Pentachlorophenol	6.7	0.8	ND		ND		ND		ND	
Phenol	100	0.33	ND		ND		ND		ND	
2-Methylphenol	100	0.33	ND		ND		ND		ND	
3-Methylphenol/4-Methylphenol	100	0.33	ND		ND		ND		ND	
2,4,5-Trichlorophenol	NS	NS	ND		ND		ND		ND	
Benzoic Acid	NS	NS	ND		ND		ND		ND	
Benzyl Alcohol	NS	NS	ND		ND		ND		ND	
Carbazole	NS	NS	0.26		1.1		ND		ND	

Notes:
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value indicates concentration exceeds Restricted-Residential SCOs
*NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
**NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
J = Estimated value
P - The RPD between the results for the two columns exceeds the method-specified criteria.
I - The lower value for the two columns has been reported due to obvious interference.
ND = Not detected
NS = No Standard
- = Not Analyzed

TABLE 8

Soil Analytical Data Summary- Metals
Phase II Subsurface Investigation
Block 694, Lot 2
Manhattan, New York

Sample ID Lab Sample ID Date of Sampling Sample Media Unit of Measure	NY-RESRR	NY-UNRES	LOT2-SB1 (7-9) L1721363-09 6/22/2017 Soil mg/kg		LOT2-SB2 (4-6) L1721363-10 6/22/2017 Soil mg/kg		LOT2-SB3 (6-8) L1721363-11 6/22/2017 Soil mg/kg		LOT2-SB4 (6-8) L1721363-12 6/22/2017 Soil mg/kg	
Total Metals										
Aluminum	NS	NS	5960		1230		4790		6310	
Antimony	NS	NS	ND		ND		ND		ND	
Arsenic	16	13	2.54		8.49		7.14		2.04	
Barium	400	350	99.9		275		39.2		147	
Beryllium	72	7.2	0.26	J	0.13	J	0.263	J	0.315	J
Cadmium	4.3	2.5	0.327	J	0.195	J	0.385	J	0.568	J
Calcium	NS	NS	2830		2680		21000		12100	
Chromium	NS	NS	9.08		5.04		9.2		11.8	
Cobalt	NS	NS	5.87		3.95		4.04		4.59	
Copper	270	50	12.7		33.6		14.1		21.2	
Iron	NS	NS	12300		4610		14600		12400	
Lead	400	63	13		***153***		***141***		***175***	
Magnesium	NS	NS	2770		369		2420		2200	
Manganese	2000	1600	282		62.7		245		307	
Mercury	0.81	0.18	0.06	J	***0.34***		***0.29***		***0.24***	
Nickel	310	30	12.6		6.7		11.5		10.7	
Potassium	NS	NS	430		192	J	719		927	
Selenium	180	3.9	ND		ND		0.841	J	ND	
Silver	180	2	ND		ND		ND		ND	
Sodium	NS	NS	162	J	179	J	201	J	196	
Thallium	NS	NS	ND		ND		ND		ND	
Vanadium	NS	NS	11.9		11.8		13.8		16	
Zinc	10000	109	33.9		44.2		58		81.2	

Notes:
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value indicates concentration exceeds Restricted-Residential SCOs
*NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
**NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
J = Estimated value
P - The RPD between the results for the two columns exceeds the method-specified criteria.
I - The lower value for the two columns has been reported due to obvious interference.
ND = Not detected
NS = No Standard
- = Not Analyzed

TABLE 9

Soil Analytical Data Summary- Pesticides
Phase II Subsurface Investigation
Block 694, Lot 2
Manhattan, New York

Sample ID Lab Sample ID Date of Sampling Sample Media Unit of Measure	NY-RESRR	NY-UNRES	LOT2-SB1 (7-9) L1721363-09 6/22/2017 Soil mg/kg	LOT2-SB2 (4-6) L1721363-10 6/22/2017 Soil mg/kg	LOT2-SB3 (6-8) L1721363-11 6/22/2017 Soil mg/kg	LOT2-SB4 (6-8) L1721363-12 6/22/2017 Soil mg/kg
Organochlorine Pesticides						
Delta-BHC	100	0.04	-	-	-	-
Lindane	1.3	0.1	-	-	-	-
Alpha-BHC	0.48	0.02	-	-	-	-
Beta-BHC	0.36	0.036	-	-	-	-
Heptachlor	2.1	0.042	-	-	-	-
Aldrin	0.097	0.005	-	-	-	-
Heptachlor epoxide	NS	NS	-	-	-	-
Endrin	11	0.014	-	-	-	-
Endrin aldehyde	NS	NS	-	-	-	-
Endrin ketone	NS	NS	-	-	-	-
Dieldrin	0.2	0.005	-	-	-	-
4,4'-DDE	8.9	0.0033	-	-	-	-
4,4'-DDD	13	0.0033	-	-	-	-
4,4'-DDT	7.9	0.0033	-	-	-	-
Endosulfan I	24	2.4	-	-	-	-
Endosulfan II	24	2.4	-	-	-	-
Endosulfan sulfate	24	2.4	-	-	-	-
Methoxychlor	NS	NS	-	-	-	-
Toxaphene	NS	NS	-	-	-	-
cis-Chlordane	4.2	0.094	-	-	-	-
trans-Chlordane	NS	NS	-	-	-	-
Chlordane	NS	NS	-	-	-	-

Notes:
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value indicates concentration exceeds Restricted-Residential SCOs
*NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
**NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
J = Estimated value
P - The RPD between the results for the two columns exceeds the method-specified criteria.
I - The lower value for the two columns has been reported due to obvious interference.
ND = Not detected
NS = No Standard
- = Not Analyzed

TABLE 10

Soil Analytical Data Summary - PCBs
Phase II Subsurface Investigation
Block 694, Lot 2
Manhattan, New York

Sample ID			LOT2-SB1 (7-9)	LOT2-SB2 (4-6)	LOT2-SB3 (6-8)	LOT2-SB4 (6-8)
Lab Sample ID			L1721363-09	L1721363-10	L1721363-11	L1721363-12
Date of Sampling			6/22/2017	6/22/2017	6/22/2017	6/22/2017
Sample Media	NY-RESRR	NY-UNRES	Soil	Soil	Soil	Soil
Unit of Measure			mg/kg	mg/kg	mg/kg	mg/kg
Polychlorinated Biphenyls						
Aroclor 1016	1	0.1	-	-	-	-
Aroclor 1221	1	0.1	-	-	-	-
Aroclor 1232	1	0.1	-	-	-	-
Aroclor 1242	1	0.1	-	-	-	-
Aroclor 1248	1	0.1	-	-	-	-
Aroclor 1254	1	0.1	-	-	-	-
Aroclor 1260	1	0.1	-	-	-	-
Aroclor 1262	1	0.1	-	-	-	-
Aroclor 1268	1	0.1	-	-	-	-
PCBs, Total			-	-	-	-

Notes:
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value indicates concentration exceeds Restricted-Residential SCOs
*NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
**NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
J = Estimated value
P - The RPD between the results for the two columns exceeds the method-specified criteria.
I - The lower value for the two columns has been reported due to obvious interference.
ND = Not detected
NS = No Standard
- = Not Analyzed

TABLE 11

RIR Sample Rationale and Analysis
Remedial Investigation Report
555 West 22nd Steet

Matrix	Sample ID	Sample Depth	Rationale	Drilling Method	QA/QC	Sampling Method	Analytical Method	Deviations from Work Plan
Soil	SB13	(5-7) (15-17)	Evaluate offsite soil conditions	Geoprobe with a Hollow Stem Auger	DUP-01 SB-27(3-5); DUP-02 SB-17(5-7); MS/MSD SB-14 (3-5); MS/MSD SB-19(15-17)	PID Screening/ Grab	VOCs by EPA 8260C, SVOCs by EPA 8270D, TAL Metals by 6010C/7471B, PCBs by EPA 8082, and pesticides by 8081B	Location moved from 11th Avenue ~10 feet to the west to West 23rd Street due to access.
	SB14	(3-5) (15-17)	Evaluate potential soil impacts from former onsite pump island	Geoprobe				None
	SB15	(7-9) (15-17)	Evaluate potential soil impacts from former boiler room source(s)					
	SB16	(6-8) (15-17)	Evaluate potential soil impacts from former onsite UST and boiler room source(s)					
	SB17	(5-7) (15-17)	General site coverage and site characterization					
	SB18	(5-7) (15-17)	Evaluate potential soil impacts from former onsite USTs					
	SB19	(5-7) (15-17)	Evaluate downgradient soil conditions	Geoprobe with a Hollow Stem Auger				Location moved from 11th Avenue ~5 feet to the west to be on Lot 5 parking lot due to access.
	SB20	(4-6) (15-17)	General site coverage and site characterization	Geoprobe				None
	SB21	(3-5) (15-17)						
	SB22	(4-6) (15-17)						
	SB23	(5-7) (15-17)	Evaluate potential soil impacts from former onsite USTs					
	SB24	(3-5) (15-17)						
	SB25	(6-8) (15-17)	Evaluate potential offsite soil conditions	Geoprobe with a Hollow Stem Auger				
	SB26	(3-5) (13-15)	Evaluate potential soil impacts from former onsite USTs	Geoprobe				The bottom sample was collected from 13-15 feet bgs, there was no recovery in the last macrocore.
	SB27	(3-5) (15-17)	General site coverage and site characterization					None
	SB28	(5-7) (15-17)	Evaluate potential soil impacts from former onsite USTs					
	SB29	(5-7) (15-17)	General site coverage and site characterization					
	SB30	(8-10) (15-17)	General site coverage and site characterization					
	SB31	(5-7)	Further evaluate potential petroleum impacts found in SB25				VOCs by EPA 8260C, SVOCs by EPA 8270D	
	SB32	(4 - 5) (6 - 8)	Further evaluate potential petroleum impacts found in SB25					
	SB-34	(3 - 5) (14 - 17)	General site coverage and site characterization				VOCs by EPA 8260C, SVOCs by EPA 8270D, TAL Metals by 6010C/7471B, PCBs by EPA 8082, and pesticides by 8081B	
	SB-36	(3 - 5) (14 - 17)	General site coverage and site characterization					
	SB-38	(5 - 7) (14 - 17)	General site coverage and site characterization					
Groundwater	GW13 (MW01)	~ 9 ft	Evaluate groundwater flow direction and potential for offsite migration	Hollow Stem Auger	DUP GW25; MS/MSD GW-19	Low Flow Peristaltic Pump	VOCs by EPA 8260C; SVOCs by EPA 8270D, TAL Metals by 6010C/7472B (filtered and unfiltered), PCBs by EPA 8082, and pesticides by EPA 8081B	Location moved from 11th Avenue ~10 feet to the west to West 23rd Street due to access.
	GW14		Evaluate groundwater flow direction and estimate impacts to onsite groundwater downgradient of abandoned in place USTs and/or former pump island	Geoprobe		Checkball		None
	GW18					Checkball		
	GW19 (MW02)		Evaluate groundwater flow direction and potential for offsite migration	Hollow Stem Auger		Low Flow Peristaltic Pump		Location moved from 11th Avenue ~5 feet to the west to be on Lot 5 parking lot due to access.
	GW25 (MW03)		Evaluate groundwater flow direction and potential impacts from upgradient offsite source(s)			Low Flow Peristaltic Pump		None
	GW26		Evaluate groundwater flow direction and estimate impacts to onsite groundwater	Geoprobe		Checkball		
	GW28					Checkball		
	GW29		Evaluate groundwater flow direction and potential impacts from upgradient offsite source(s)			Checkball		
	GW31		Further evaluate potential petroleum impacts found in MW03			Checkball	VOCs by EPA 8260B; SVOCs by EPA 8270D	
	GW32					Checkball		
	GW33		Evaluate groundwater flow direction and estimate impacts to onsite groundwater			Checkball	VOCs by EPA 8260C; SVOCs by EPA 8270D, TAL Metals by 6010C/7472B (filtered and unfiltered), PCBs by EPA 8082, and pesticides by EPA 8081B	
Soil Vapor	SV01	2 inches below the building slab	Evaluate potential onsite soil vapor impacts in basement area	Soil Vapor Probe (Geoprobe or Hammer Drill)	DUP SV05	2-Hour Summa Canister	VOCs by EPA TO-15	Sample was diluted due to half of the required air to be collected. The sub surface is clay and did not allow for proper soil vapor to flow.
	SV02		Evaluate potential onsite soil vapor impacts in former boiler room					Sample was not viable due to no air collected. The sub surface is clay and did not allow any soil vapor to flow.
	SV03	2 inches below the parking lot / storage area slab	Perimeter sample to evaluate potential for offsite migration					None
	SV04		Perimeter sample to evaluate potential for offsite vapor intrusion					
	SV05							
	SV06	2 inches below the building slab	Located in the center of the Site to provide site coverage					

TABLE 11

RIR Sample Rationale and Analysis
Remedial Investigation Report
555 West 22nd Steet

Matrix	Sample ID	Sample Depth	Rationale	Drilling Method	QA/QC	Sampling Method	Analytical Method	Deviations from Work Plan
Soil Vapor	SV07	2 inches below the building slab	Further evaluate PCE impacts found in SV-04	Soil Vapor Probe (Geoprobe or Hammer Drill)	DUP SV05	2-Hour Summa Canister	VOCs by EPA TO-15	None
	SV08		Further evaluate PCE impacts found in SV-04					
	SV11		Perimeter sample to evaluate potential for offsite vapor intrusion					
	SV12		Perimeter sample to evaluate potential for offsite vapor intrusion					
	SV13		General site coverage and site characterization					
Air	IA01	4 - 6 ft above building slab	Indoor air sample to evaluate potential air impacts to retail space	Not Applicable	None	8-Hour Summa Canister	VOCs by EPA TO-15	None
	IA02	4 - 6 ft above building slab	Indoor air sample to evaluate potential air impacts to retail space in Building A					None
	IA03	5 - 6 ft above building slab	Indoor air sample to evaluate potential air impacts to sub-basement in Building A along West 23rd Street					At the request of NYSDEC, this sample was collected in basement area since SV02 was not viable.
	IA04	6 - 6 ft above building slab	Indoor air sample to evaluate potential air impacts to sub-basement in Building A along 11th Avenue					At the request of NYSDEC, this sample was collected in basement area since SV01 was diluted by the lab due to the final ending pressure.
	Ambient Air	4 - 6 ft above ground surface	Ambient air sample for background comparison purposes					None

Notes:
MS/MSD = matrix spike / matrix spike duplicate

The following QA/QC samples are proposed for collection:
Soil: One (1) field duplicate and one (1) MS/MSD with the full suite of analyses per 20 samples.
Groundwater: One (1) field duplicate and one (1) MS/MSD with the full suite of analyses per 20 samples.

TABLE 12

Soil Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-13 (5-7) L1636632-01 11/10/2016 Soil mg/kg	SB-13 (15-17) L1636632-02 11/10/2016 Soil mg/kg	SB-14(3-5) L1637143-01 11/15/2016 Soil mg/kg	SB-14(15-17) L1637143-02 11/15/2016 Soil mg/kg	SB-15 (7-9) L1637974-01 11/21/2016 Soil mg/kg	SB-15 (15-17) L1637974-02 11/21/2016 Soil mg/kg	SB-16(6-8) L1637143-03 11/15/2016 Soil mg/kg	SB-16(15-17) L1637143-04 11/15/2016 Soil mg/kg	SB-17(5-7) L1637143-09 11/15/2016 Soil mg/kg	DUP-02-20161115 SB-17(5-7) L1637143-11 11/15/2016 Soil mg/kg	SB-17(15-17) L1637143-10 11/15/2016 Soil mg/kg
Volatile Organics Compounds (VOCs)													
1,1,1,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	100	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	26	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	ND	ND	ND	ND	0.0021 J	ND	2	ND	0.66	1.7	ND
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	52	3.6	ND	ND	ND	0.00016 J	0.0029 J	ND	0.086 J	ND	ND	0.079 J	ND
1,2-Dibromo-3-chloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	3.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	52	8.4	ND	ND	ND	ND	0.0013 J	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	49	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	13	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	100	0.12	ND	0.0038 J	ND	0.0039 J	ND	0.011 J	ND	0.0012 J	ND	ND	0.013
2-Hexanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100	0.05	ND	0.018	ND	0.03	0.02	0.037	ND	0.012	ND	ND	***0.062***
Acrylonitrile	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	4.8	0.06	ND	ND	ND	ND	0.0011	ND	0.014 J	ND	ND	0.022 J	ND
Bromobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2.4	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.028 J	ND
Chloroform	49	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	100	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	41	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	NS	ND	ND	ND	ND	0.00064 J	ND	1.3	ND	0.41	0.91	ND
Methyl tert butyl ether	100	0.93	ND	0.0005 J	ND	0.0019 J	0.00021 J	0.0024 J	ND	0.0015 J	ND	ND	0.0026
Methylene chloride	100	0.05	ND	ND	0.0019 J	0.0016 J	ND	ND	***0.08*** J	0.0014 J	ND	ND	0.0015 J
Naphthalene	100	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	100	12	ND	ND	ND	ND	ND	ND	0.43	ND	0.32	0.93	ND
n-Propylbenzene	100	3.9	ND	ND	ND	ND	0.00044 J	ND	1.9	ND	0.64	1.5	ND
o-Chlorotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	NS	NS	ND	ND	ND	ND	0.00086 J	ND	ND	ND	ND	ND	ND
p/m-Xylene	NS	NS	ND	ND	ND	ND	0.0015 J	ND	ND	ND	ND	0.2	ND
p-Chlorotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	NS	NS	ND	ND	ND	ND	0.00057 J	ND	1.1	ND	0.38	0.99	ND
p-Ethyltoluene	NS	NS	ND	ND	ND	ND	0.0011 J	ND	ND	ND	ND	0.12 J	ND
p-Isopropyltoluene	NS	NS	ND	ND	ND	ND	0.00096 J	ND	0.1	ND	0.05 J	0.08	ND
sec-Butylbenzene	100	11	ND	ND	ND	ND	0.0017	ND	1.3	ND	0.53	1.4	ND
Styrene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	100	5.9	ND	ND	ND	ND	0.00073 J	ND	0.25 J	ND	0.15 J	0.34	ND
Tetrachloroethene	19	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 12

Soil Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-13 (5-7) L1636632-01 11/10/2016 Soil mg/kg	SB-13 (15-17) L1636632-02 11/10/2016 Soil mg/kg	SB-14(3-5) L1637143-01 11/15/2016 Soil mg/kg	SB-14(15-17) L1637143-02 11/15/2016 Soil mg/kg	SB-15 (7-9) L1637974-01 11/21/2016 Soil mg/kg	SB-15 (15-17) L1637974-02 11/21/2016 Soil mg/kg	SB-16(6-8) L1637143-03 11/15/2016 Soil mg/kg	SB-16(15-17) L1637143-04 11/15/2016 Soil mg/kg	SB-17(5-7) L1637143-09 11/15/2016 Soil mg/kg	DUP-02-20161115 SB-17(5-7) L1637143-11 11/15/2016 Soil mg/kg	SB-17(15-17) L1637143-10 11/15/2016 Soil mg/kg
Toluene	100	0.7	ND	ND	ND	ND	0.0003 J	ND	ND	ND	ND	0.048 J	ND
trans-1,2-Dichloroethene	100	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.9	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	100	0.26	ND	ND	ND	ND	0.0024 J	ND	ND	ND	ND	0.2	ND

TABLE 12

Soil Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-18(5-7) L1637143-05 11/15/2016 Soil mg/kg	SB-18(15-17) L1637143-06 11/15/2016 Soil mg/kg	SB-19 (5-7) L1636796-01 11/11/2016 Soil mg/kg	SB-19 (15-17) L1636796-02 11/11/2016 Soil mg/kg	SB-20 (4-6) L1636796-05 11/11/2016 Soil mg/kg	SB-20 (15-17) L1636796-06 11/11/2016 Soil mg/kg	SB-21 (3-5) L1636796-03 11/11/2016 Soil mg/kg	SB-21 (15-17) L1636796-04 11/11/2016 Soil mg/kg	SB-22 (4-6) L1636796-07 11/11/2016 Soil mg/kg	SB-22 (15-17) L1636796-08 11/11/2016 Soil mg/kg	SB-23(5-7) L1637143-07 11/15/2016 Soil mg/kg
Volatile Organics Compounds (VOCs)													
1,1,1,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	100	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	26	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.9
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	52	3.6	0.045 J	ND	0.00053 J	ND	ND	ND	0.00019 J	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	3.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	52	8.4	ND	ND	0.00021 J	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	49	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	13	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	100	0.12	ND	0.0042 J	ND	0.0037 J	ND	ND	ND	0.017 J	ND	ND	ND
2-Hexanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100	0.05	ND	0.028	ND	0.023	0.0063 J	***0.05***	ND	***0.094***	ND	0.024	ND
Acrylonitrile	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	4.8	0.06	0.0086 J	ND	0.00015 J	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	NS	NS	ND	ND	ND	ND	0.0093 J	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2.4	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.055 J
Chloroform	49	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	100	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	41	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	NS	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.064 J
Methyl tert butyl ether	100	0.93	ND	0.0015 J	ND	0.003	ND	ND	ND	0.0025 J	ND	ND	ND
Methylene chloride	100	0.05	ND	0.0014 J	0.0013 J	ND	0.0012 J	ND	0.0012 J	ND	ND	ND	ND
Naphthalene	100	12	1.5	ND	0.0011 J	ND	ND	ND	0.00058 J	ND	ND	ND	ND
n-Butylbenzene	100	12	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56
n-Propylbenzene	100	3.9	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p/m-Xylene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	NS	NS	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1
p-Ethyltoluene	NS	NS	ND	ND	0.0003 J	ND	ND	ND	0.00011 J	ND	ND	ND	ND
p-Isopropyltoluene	NS	NS	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	100	11	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.71
Styrene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	100	5.9	0.052 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18 J
Tetrachloroethene	19	1.3	ND	ND	ND	ND	ND	ND	ND	ND	0.00063 J	ND	ND

TABLE 12

Soil Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-18(5-7) L1637143-05 11/15/2016 Soil mg/kg	SB-18(15-17) L1637143-06 11/15/2016 Soil mg/kg	SB-19 (5-7) L1636796-01 11/11/2016 Soil mg/kg	SB-19 (15-17) L1636796-02 11/11/2016 Soil mg/kg	SB-20 (4-6) L1636796-05 11/11/2016 Soil mg/kg	SB-20 (15-17) L1636796-06 11/11/2016 Soil mg/kg	SB-21 (3-5) L1636796-03 11/11/2016 Soil mg/kg	SB-21 (15-17) L1636796-04 11/11/2016 Soil mg/kg	SB-22 (4-6) L1636796-07 11/11/2016 Soil mg/kg	SB-22 (15-17) L1636796-08 11/11/2016 Soil mg/kg	SB-23(5-7) L1637143-07 11/15/2016 Soil mg/kg
Toluene	100	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.9	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	100	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 12

Soil Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-23(15-17) L1637143-08 11/15/2016 Soil mg/kg	SB-24(3-5) L1636970-06 11/14/2016 Soil mg/kg	SB-24(15-17) L1636970-07 11/14/2016 Soil mg/kg	SB-25 (6-8) L1636632-03 11/10/2016 Soil mg/kg	SB-25 (15-17) L1636632-04 11/10/2016 Soil mg/kg	SB-26 (3-5) L1636970-10 11/14/2016 Soil mg/kg	SB-26 (13-15) L1636970-11 11/14/2016 Soil mg/kg	SB-27(3-5) L1636970-02 11/14/2016 Soil mg/kg	DUP01-20161114 SB-27(3-5) L1636970-01 11/14/2016 Soil mg/kg	SB-27(15-17) L1636970-03 11/14/2016 Soil mg/kg	SB-28(5-7) L1636970-04 11/14/2016 Soil mg/kg
Volatile Organics Compounds (VOCs)													
1,1,1,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	100	0.68	ND	ND	ND	ND	ND	0.0013	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	26	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	ND	ND	ND	17	0.0012 J	ND	0.00028 J	ND	ND	0.00056 J	ND
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	52	3.6	ND	ND	ND	**180**	0.003 J	ND	0.00045 J	ND	0.00024 J	0.019	0.0002 J
1,2-Dibromo-3-chloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	3.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	52	8.4	ND	ND	ND	**55**	0.001 J	ND	0.00022 J	ND	ND	0.0047 J	ND
1,3-Dichlorobenzene	49	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	13	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	100	0.12	0.011 J	ND	ND	ND	ND	ND	ND	ND	ND	0.005 J	0.0027 J
2-Hexanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100	0.05	***0.054***	ND	0.0088 J	ND	0.0083 J	ND	0.0052 J	ND	0.0018 J	0.027	0.03
Acrylonitrile	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	4.8	0.06	ND	ND	ND	**10**	0.00034 J	ND	0.00013 J	0.00017 J	0.00017 J	0.0012 J	0.00015 J
Bromobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	2.4	0.76	ND	ND	ND	ND	ND	0.00065 J	ND	ND	ND	ND	ND
Chlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	49	0.37	ND	ND	ND	ND	ND	0.00084 J	ND	ND	ND	ND	ND
Chloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	100	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	41	1	ND	ND	ND	**76**	0.0012	ND	ND	ND	ND	0.0025	ND
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	NS	ND	ND	ND	10	0.00018 J	ND	ND	ND	ND	0.022	ND
Methyl tert butyl ether	100	0.93	0.00087 J	ND	ND	ND	0.0013 J	ND	ND	ND	ND	ND	ND
Methylene chloride	100	0.05	0.0017 J	0.0013 J	0.0012 J	ND	ND	0.0013 J	0.0012 J	ND	0.0013 J	ND	0.0015 J
Naphthalene	100	12	ND	0.00028 J	ND	***22***	0.0004 J	ND	0.00038 J	0.00025 J	0.00032 J	0.12	0.0042 J
n-Butylbenzene	100	12	ND	ND	ND	7.7	0.00015 J	ND	ND	ND	ND	ND	ND
n-Propylbenzene	100	3.9	ND	ND	ND	***29***	0.00047 J	ND	ND	ND	ND	0.00072 J	ND
o-Chlorotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	NS	NS	ND	ND	ND	76	0.0016 J	ND	ND	ND	ND	0.033	ND
p/m-Xylene	NS	NS	ND	ND	ND	300	0.0052	ND	ND	ND	0.00048 J	0.0091	ND
p-Chlorotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	NS	NS	ND	ND	ND	57	0.001 J	ND	0.0005 J	ND	ND	0.0029 J	ND
p-Ethyltoluene	NS	NS	ND	ND	ND	140	0.0023 J	ND	0.00014 J	ND	0.00018 J	0.0079	ND
p-Isopropyltoluene	NS	NS	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	100	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	100	5.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	19	1.3	ND	ND	ND	ND	ND	0.01	0.00016 J	ND	ND	ND	ND

TABLE 12

Soil Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-23(15-17) L1637143-08 11/15/2016 Soil mg/kg	SB-24(3-5) L1636970-06 11/14/2016 Soil mg/kg	SB-24(15-17) L1636970-07 11/14/2016 Soil mg/kg	SB-25 (6-8) L1636632-03 11/10/2016 Soil mg/kg	SB-25 (15-17) L1636632-04 11/10/2016 Soil mg/kg	SB-26 (3-5) L1636970-10 11/14/2016 Soil mg/kg	SB-26 (13-15) L1636970-11 11/14/2016 Soil mg/kg	SB-27(3-5) L1636970-02 11/14/2016 Soil mg/kg	DUP01-20161114 SB-27(3-5) L1636970-01 11/14/2016 Soil mg/kg	SB-27(15-17) L1636970-03 11/14/2016 Soil mg/kg	SB-28(5-7) L1636970-04 11/14/2016 Soil mg/kg
Toluene	100	0.7	ND	ND	ND	***8.2***	0.00023 J	ND	ND	ND	0.00032 J	0.00036 J	ND
trans-1,2-Dichloroethene	100	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.9	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	100	0.26	ND	ND	ND	**380**	0.0068 J	ND	ND	ND	0.00048 J	0.042	ND

TABLE 12

Soil Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-28(15-17) L1636970-05 11/14/2016 Soil mg/kg	SB-29 (5-7) L1636970-12 11/14/2016 Soil mg/kg	SB-29 (15-17) L1636970-13 11/14/2016 Soil mg/kg	SB-30(8-10) L1636970-08 11/14/2016 Soil mg/kg	SB-30(15-17) L1636970-09 11/14/2016 Soil mg/kg	SB-31 (5-7) L1721000-03 6/21/2017 Soil mg/kg	DUP01 L1721000-04 6/21/2017 Soil mg/kg	SB-32 (6-8) L1721000-01 6/21/2017 Soil mg/kg	SB-32 (4-5) L1721000-02 6/21/2017 Soil mg/kg	SB-34 (14-17) L1741853-01 11/14/2017 Soil mg/kg	SB-34 (3-5) L1741853-02 11/14/2017 Soil mg/kg	DUP01-11142017 L1741853-03 11/14/2017 Soil mg/kg
Volatile Organics Compounds (VOCs)														
1,1,1,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	100	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	26	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	ND	0.25 J	ND	ND	ND	ND	ND	25	2.9	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	52	3.6	ND	0.091 J	ND	ND	ND	ND	ND	**220**	***16***	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	3.1	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	52	8.4	ND	0.044 J	ND	ND	ND	ND	ND	**70**	4.8	ND	ND	ND
1,3-Dichlorobenzene	49	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	13	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	100	0.12	ND	ND	0.0036 J	ND	0.0048 J	0.0019 J	ND	ND	ND	ND	ND	ND
2-Hexanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100	0.05	0.013	***0.12 J***	0.027	0.0058 J	0.033	0.013	0.014 J	ND	ND	0.03	0.0031 J	ND
Acrylonitrile	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	4.8	0.06	ND	ND	ND	ND	ND	ND	ND	**0.58** J	***0.13 J***	ND	ND	ND
Bromobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	NS	NS	ND	ND	ND	ND	ND	0.0017 J	0.0022 J	ND	ND	0.0022 J	ND	ND
Carbon tetrachloride	2.4	0.76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	49	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00042 J	0.00042 J
Chloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	100	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	41	1	ND	0.031 J	ND	ND	ND	ND	ND	**62**	***4.5***	ND	ND	ND
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	NS	ND	0.24	ND	ND	ND	ND	ND	12	1.1	ND	ND	ND
Methyl tert butyl ether	100	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002 J	ND	ND
Methylene chloride	100	0.05	0.0012 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	100	12	0.00048 J	0.063 J	ND	0.00019 J	0.00062 J	ND	ND	***26***	2.6	ND	ND	ND
n-Butylbenzene	100	12	ND	0.099	ND	ND	ND	ND	ND	9.6	0.96	ND	ND	ND
n-Propylbenzene	100	3.9	ND	0.16	ND	ND	ND	ND	ND	***34***	3.1	ND	ND	ND
o-Chlorotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	NS	NS	ND	0.093 J	ND	ND	ND	ND	ND	41	2.3	ND	ND	ND
p/m-Xylene	NS	NS	ND	0.13 J	ND	ND	ND	ND	ND	210	12	ND	ND	ND
p-Chlorotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	NS	NS	ND	0.14 J	ND	ND	ND	ND	ND	78	6.3	ND	ND	ND
p-Ethyltoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	170	9.2	ND	ND	ND
p-Isopropyltoluene	NS	NS	0.00039 J	0.051 J	ND	ND	ND	ND	ND	2.9	0.32	ND	ND	ND
sec-Butylbenzene	100	11	ND	0.28	ND	ND	ND	ND	ND	4	0.4	ND	ND	ND
Styrene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	100	5.9	ND	0.062 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	19	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 12

Soil Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-28(15-17) L1636970-05 11/14/2016 Soil mg/kg	SB-29 (5-7) L1636970-12 11/14/2016 Soil mg/kg	SB-29 (15-17) L1636970-13 11/14/2016 Soil mg/kg	SB-30(8-10) L1636970-08 11/14/2016 Soil mg/kg	SB-30(15-17) L1636970-09 11/14/2016 Soil mg/kg	SB-31 (5-7) L1721000-03 6/21/2017 Soil mg/kg	DUP01 L1721000-04 6/21/2017 Soil mg/kg	SB-32 (6-8) L1721000-01 6/21/2017 Soil mg/kg	SB-32 (4-5) L1721000-02 6/21/2017 Soil mg/kg	SB-34 (14-17) L1741853-01 11/14/2017 Soil mg/kg	SB-34 (3-5) L1741853-02 11/14/2017 Soil mg/kg	DUP01-11142017 L1741853-03 11/14/2017 Soil mg/kg
Toluene	100	0.7	ND	0.017 J	ND	ND	ND	ND	ND	***1.5*** J	0.23	ND	ND	ND
trans-1,2-Dichloroethene	100	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.9	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	100	0.26	ND	0.22 J	ND	ND	ND	ND	ND	**250**	***14***	ND	ND	ND

TABLE 12

Soil Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-36 (14-17) L1741853-04 11/14/2017 Soil mg/kg	SB-36 (3-5) L1741853-05 11/14/2017 Soil mg/kg	SB-38 (14-17) L1741853-06 11/14/2017 Soil mg/kg	SB-38 (5.5-7.5) L1741853-07 11/14/2017 Soil mg/kg
Volatile Organics Compounds (VOCs)						
1,1,1,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND
1,1,1-Trichloroethane	100	0.68	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND
1,1,2-Trichloroethane	NS	NS	ND	ND	ND	ND
1,1-Dichloroethane	26	0.27	ND	ND	ND	ND
1,1-Dichloroethene	100	0.33	ND	ND	ND	ND
1,1-Dichloropropene	NS	NS	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NS	NS	ND	ND	ND	ND
1,2,3-Trichloropropane	NS	NS	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	NS	NS	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND
1,2,4-Trimethylbenzene	52	3.6	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	ND	ND	ND	ND
1,2-Dibromoethane	NS	NS	ND	ND	ND	ND
1,2-Dichlorobenzene	100	1.1	ND	ND	ND	ND
1,2-Dichloroethane	3.1	0.02	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	NS	ND	ND	ND	ND
1,2-Dichloropropane	NS	NS	ND	ND	ND	ND
1,3,5-Trimethylbenzene	52	8.4	0.00031 J	ND	ND	ND
1,3-Dichlorobenzene	49	2.4	ND	ND	ND	ND
1,3-Dichloropropane	NS	NS	ND	ND	ND	ND
1,3-Dichloropropene, Total	NS	NS	ND	ND	ND	ND
1,4-Dichlorobenzene	13	1.8	ND	ND	ND	ND
1,4-Dioxane	13	0.1	ND	ND	ND	ND
2,2-Dichloropropane	NS	NS	ND	ND	ND	ND
2-Butanone	100	0.12	0.024	ND	0.017 J	ND
2-Hexanone	NS	NS	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	NS	ND	ND	ND	ND
Acetone	100	0.05	***0.14***	0.0059 J	***0.094***	0.0085 J
Acrylonitrile	NS	NS	ND	ND	ND	ND
Benzene	4.8	0.06	ND	ND	ND	ND
Bromobenzene	NS	NS	ND	ND	ND	ND
Bromochloromethane	NS	NS	ND	ND	ND	ND
Bromodichloromethane	NS	NS	ND	ND	ND	ND
Bromoform	NS	NS	ND	ND	ND	ND
Bromomethane	NS	NS	ND	ND	ND	ND
Carbon disulfide	NS	NS	0.0031 J	ND	0.0026 J	0.0014 J
Carbon tetrachloride	2.4	0.76	ND	ND	ND	ND
Chlorobenzene	100	1.1	ND	ND	ND	ND
Chloroethane	NS	NS	ND	ND	ND	ND
Chloroform	49	0.37	ND	ND	ND	ND
Chloromethane	NS	NS	ND	ND	ND	ND
cis-1,2-Dichloroethene	100	0.25	ND	ND	ND	ND
cis-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND
Dibromochloromethane	NS	NS	ND	ND	ND	ND
Dibromomethane	NS	NS	ND	ND	ND	ND
Dichlorodifluoromethane	NS	NS	ND	ND	ND	ND
Ethyl ether	NS	NS	ND	ND	ND	ND
Ethylbenzene	41	1	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND
Isopropylbenzene	NS	NS	ND	ND	ND	ND
Methyl tert butyl ether	100	0.93	ND	ND	ND	ND
Methylene chloride	100	0.05	ND	ND	ND	ND
Naphthalene	100	12	ND	ND	ND	ND
n-Butylbenzene	100	12	ND	ND	ND	ND
n-Propylbenzene	100	3.9	0.00086 J J	ND	ND	ND
o-Chlorotoluene	NS	NS	ND	ND	ND	ND
o-Xylene	NS	NS	ND	ND	ND	ND
p/m-Xylene	NS	NS	ND	ND	ND	ND
p-Chlorotoluene	NS	NS	ND	ND	ND	ND
p-Diethylbenzene	NS	NS	ND	ND	ND	ND
p-Ethyltoluene	NS	NS	ND	ND	ND	ND
p-Isopropyltoluene	NS	NS	ND	ND	ND	ND
sec-Butylbenzene	100	11	ND	ND	ND	ND
Styrene	NS	NS	ND	ND	ND	ND
tert-Butylbenzene	100	5.9	ND	ND	ND	ND
Tetrachloroethene	19	1.3	ND	ND	ND	ND

TABLE 12

Soil Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-36 (14-17) L1741853-04 11/14/2017 Soil mg/kg	SB-36 (3-5) L1741853-05 11/14/2017 Soil mg/kg	SB-38 (14-17) L1741853-06 11/14/2017 Soil mg/kg	SB-38 (5.5-7.5) L1741853-07 11/14/2017 Soil mg/kg
Toluene	100	0.7	ND	ND	ND	ND
trans-1,2-Dichloroethene	100	0.19	ND	ND	ND	ND
trans-1,3-Dichloropropene	NS	NS	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	NS	NS	ND	ND	ND	ND
Trichloroethene	21	0.47	ND	ND	ND	ND
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND
Vinyl acetate	NS	NS	ND	ND	ND	ND
Vinyl chloride	0.9	0.02	ND	ND	ND	ND
Xylenes, Total	100	0.26	ND	ND	ND	ND

*NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
**NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
J = Estimated value
ND = Not detected
NS = No Standard
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value indicates concentration exceeds Restricted-Residential SCOs

TABLE 13

Soil Analytical Data Summary - SVOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-13 (5-7) L1636632-01 11/10/2016 Soil mg/kg	SB-13 (15-17) L1636632-02 11/10/2016 Soil mg/kg	SB-14(3-5) L1637143-01 11/15/2016 Soil mg/kg	SB-14(15-17) L1637143-02 11/15/2016 Soil mg/kg	SB-15 (7-9) L1637974-01 11/21/2016 Soil mg/kg	SB-15 (15-17) L1637974-02 11/21/2016 Soil mg/kg	SB-16(6-8) L1637143-03 11/15/2016 Soil mg/kg	SB-16(15-17) L1637143-04 11/15/2016 Soil mg/kg	SB-17(5-7) L1637143-09 11/15/2016 Soil mg/kg	DUP-02-20161115 SB-17(5-7) L1637143-11 11/15/2016 Soil mg/kg	SB-17(15-17) L1637143-10 11/15/2016 Soil mg/kg
Semivolatile Organics Compounds (SVOCs)													
1,2,4,5-Tetrachlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	49	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	NS	ND	ND	ND	ND	ND	ND	0.042 J	ND	ND	ND	ND
2-Methylphenol	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	100	0.33	ND	***35*** J	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	100	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	1	ND	ND	0.39	ND	ND	ND	ND	ND	0.053 J	ND	ND
Benzo(a)pyrene	1	1	ND	ND	0.8	ND	ND	ND	ND	ND	0.085 J	ND	ND
Benzo(b)fluoranthene	1	1	ND	ND	0.9	ND	ND	ND	ND	ND	0.095 J	ND	ND
Benzo(ghi)perylene	100	100	0.029 J	ND	0.59	ND	ND	ND	ND	ND	0.088 J	ND	ND
Benzo(k)fluoranthene	3.9	0.8	ND	ND	0.37	ND	ND	ND	ND	ND	0.038 J	ND	ND
Benzoic Acid	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	3.9	1	ND	ND	0.4	ND	ND	ND	ND	ND	0.048 J	ND	ND
Dibenzo(a,h)anthracene	0.33	0.33	ND	ND	0.16	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	59	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	100	0.026 J	ND	0.31	ND	ND	ND	ND	ND	0.054 J	ND	ND
Fluorene	100	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	1.2	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND	ND	**0.71**	ND	ND	ND	ND	ND	0.086 J	ND	ND
Isophorone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	100	12	ND	ND	ND	ND	ND	ND	0.065 J	ND	ND	ND	ND
NDPA/DPA	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	15	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	6.7	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	100	ND	ND	0.1 J	ND	ND	ND	ND	ND	0.028 J	ND	ND
Phenol	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	100	0.026 J	ND	0.3	ND	ND	ND	ND	ND	0.056 J	ND	ND

TABLE 13

Soil Analytical Data Summary - SVOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-18(5-7) L1637143-05 11/15/2016 Soil mg/kg	SB-18(15-17) L1637143-06 11/15/2016 Soil mg/kg	SB-19 (5-7) L1636796-01 11/11/2016 Soil mg/kg	SB-19 (15-17) L1636796-02 11/11/2016 Soil mg/kg	SB-20 (4-6) L1636796-05 11/11/2016 Soil mg/kg	SB-20 (15-17) L1636796-06 11/11/2016 Soil mg/kg	SB-21 (3-5) L1636796-03 11/11/2016 Soil mg/kg	SB-21 (15-17) L1636796-04 11/11/2016 Soil mg/kg	SB-22 (4-6) L1636796-07 11/11/2016 Soil mg/kg	SB-22 (15-17) L1636796-08 11/11/2016 Soil mg/kg	SB-23(5-7) L1637143-07 11/15/2016 Soil mg/kg
Semivolatile Organics Compounds (SVOCs)													
1,2,4,5-Tetrachlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	49	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	NS	0.14 J	ND	0.42 J	ND	0.46 J	ND	ND	ND	0.13 J	ND	ND
2-Methylphenol	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	100	0.33	ND	ND	ND	0.042 J	0.14	***0.74***	ND	0.22 J	ND	0.16 J	ND
3-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	100	20	ND	ND	1.7	ND	1.8	ND	ND	ND	0.69 J	ND	0.058 J
Acenaphthylene	100	100	ND	ND	ND	ND	0.12 J	ND	ND	ND	ND	ND	ND
Acetophenone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	100	ND	ND	1	ND	5.7	ND	ND	ND	1.4	ND	0.047 J
Benzo(a)anthracene	1	1	ND	ND	**3.7**	ND	**24**	0.071 J	ND	ND	**8.8**	ND	0.074 J
Benzo(a)pyrene	1	1	ND	ND	**3.4**	ND	**38**	0.069 J	ND	ND	**19**	ND	ND
Benzo(b)fluoranthene	1	1	ND	ND	**4.3**	ND	**37**	0.07 J	ND	ND	**19**	ND	0.066 J
Benzo(ghi)perylene	100	100	ND	ND	2.1	ND	29	0.035 J	ND	ND	14	ND	0.026 J
Benzo(k)fluoranthene	3.9	0.8	ND	ND	***1.4***	ND	**13**	ND	ND	ND	**6.4**	ND	ND
Benzoic Acid	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	NS	NS	ND	ND	0.22 J	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	NS	ND	ND	0.63 J	ND	2.9	ND	ND	ND	0.91 J	ND	ND
Chrysene	3.9	1	ND	ND	***3.5***	ND	**22**	0.069 J	ND	ND	**8.5**	ND	0.065 J
Dibenzo(a,h)anthracene	0.33	0.33	ND	ND	**0.54** J	ND	**6.2**	ND	ND	ND	**2.8**	ND	ND
Dibenzofuran	59	7	ND	ND	1.2	ND	0.99	ND	ND	ND	0.24 J	ND	0.028 J
Diethyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	100	ND	ND	10	ND	28	0.078 J	ND	ND	10	ND	0.22
Fluorene	100	30	ND	ND	1.1	ND	1.1	ND	ND	ND	0.28 J	ND	0.064 J
Hexachlorobenzene	1.2	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND	ND	**2.3**	ND	**30**	0.037 J	ND	ND	**16**	ND	0.032 J
Isophorone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	100	12	0.28	ND	0.84 J	ND	1.1	0.055 J	ND	ND	0.4 J	ND	ND
NDPA/DPA	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	15	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	6.7	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	100	ND	ND	11	ND	18	0.055 J	ND	ND	4.9	ND	ND
Phenol	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	100	ND	ND	7.9	ND	28	0.091 J	ND	0.032 J	9.9	ND	0.21

TABLE 13

Soil Analytical Data Summary - SVOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-23(15-17) L1637143-08 11/15/2016 Soil mg/kg	SB-24(3-5) L1636970-06 11/14/2016 Soil mg/kg	SB-24(15-17) L1636970-07 11/14/2016 Soil mg/kg	SB-25 (6-8) L1636632-03 11/10/2016 Soil mg/kg	SB-25 (15-17) L1636632-04 11/10/2016 Soil mg/kg	SB-26 (3-5) L1636970-10 11/14/2016 Soil mg/kg	SB-26 (13-15) L1636970-11 11/14/2016 Soil mg/kg	SB-27(3-5) L1636970-02 11/14/2016 Soil mg/kg	DUP01-20161114 SB-27(3-5) L1636970-01 11/14/2016 Soil mg/kg	SB-27(15-17) L1636970-03 11/14/2016 Soil mg/kg	SB-28(5-7) L1636970-04 11/14/2016 Soil mg/kg
Semivolatile Organics Compounds (SVOCs)													
1,2,4,5-Tetrachlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	49	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	NS	ND	ND	ND	4.1	ND	0.15 J	ND	0.23 J	0.28	0.26 J	1.2
2-Methylphenol	100	0.33	ND	ND	ND	ND	ND	ND	ND	0.047 J	0.037	ND	ND
2-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	100	0.33	ND	ND	ND	ND	ND	0.032 J	ND	0.094 J	0.081	ND	ND
3-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	100	20	ND	ND	ND	0.041 J	ND	0.68	ND	0.79	0.79	0.039 J	7.4
Acenaphthylene	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	100	ND	ND	ND	ND	ND	2.5	ND	4.5	3.1	ND	26
Benzo(a)anthracene	1	1	ND	0.024 J	ND	ND	ND	**23**	0.028 J	**25**	**16**	0.034 J	**52**
Benzo(a)pyrene	1	1	ND	ND	ND	ND	ND	**45**	ND	**32**	**25**	ND	**45**
Benzo(b)fluoranthene	1	1	ND	ND	ND	ND	ND	**47**	ND	**36**	**27**	ND	**58**
Benzo(ghi)perylene	100	100	ND	ND	ND	ND	ND	30	0.027 J	13	9.4	ND	19
Benzo(k)fluoranthene	3.9	0.8	ND	ND	ND	ND	ND	**6**	ND	**5.7**	**4.4**	ND	**6.9**
Benzoic Acid	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	NS	NS	ND	ND	ND	0.11 J	ND	0.054 J	ND	0.059 J	0.067 J	ND	0.44
Bis(2-chloroethoxy)methane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	NS	ND	ND	ND	ND	ND	1.4	ND	1.7	1.3	ND	4.7
Chrysene	3.9	1	ND	0.019 J	ND	ND	ND	**22**	0.023 J	**22**	**15**	ND	**46**
Dibenzo(a,h)anthracene	0.33	0.33	ND	ND	ND	ND	ND	**4.8**	ND	**3.1**	**2.9**	ND	**4.2**
Dibenzofuran	59	7	ND	ND	ND	ND	ND	0.39	ND	0.6	0.51	ND	3.2
Diethyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	100	ND	0.021 J	ND	ND	ND	23	0.028 J	29	20	0.031 J	**110**
Fluorene	100	30	ND	ND	ND	0.064 J	ND	0.44	ND	0.74	0.63	ND	6.9
Hexachlorobenzene	1.2	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND	ND	ND	ND	ND	**33**	0.027 J	**17**	**16**	ND	**24**
Isophorone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	100	12	ND	ND	ND	6.3	ND	0.59	ND	0.34	0.44	1.1	1.1
NDPA/DPA	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	15	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	6.7	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	100	ND	ND	ND	0.11 J	ND	7.3	ND	17	8.5	0.095 J	90
Phenol	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	100	ND	ND	ND	ND	ND	23	0.024 J	24	18	0.029 J	89

TABLE 13

Soil Analytical Data Summary - SVOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-28(15-17) L1636970-05 11/14/2016 Soil mg/kg	SB-29 (5-7) L1636970-12 11/14/2016 Soil mg/kg	SB-29 (15-17) L1636970-13 11/14/2016 Soil mg/kg	SB-30(8-10) L1636970-08 11/14/2016 Soil mg/kg	SB-30(15-17) L1636970-09 11/14/2016 Soil mg/kg	SB-31 (5-7) L1721000-03 6/21/2017 Soil mg/kg	DUP01 L1721000-04 6/21/2017 Soil mg/kg	SB-32 (6-8) L1721000-01 6/21/2017 Soil mg/kg	SB-32 (4-5) L1721000-02 6/21/2017 Soil mg/kg	SB-34 (14-17) L1741853-01 11/14/2017 Soil mg/kg	SB-34 (3-5) L1741853-02 11/14/2017 Soil mg/kg	DUP01-11142017 L1741853-03 11/14/2017 Soil mg/kg
Semivolatile Organics Compounds (SVOCs)														
1,2,4,5-Tetrachlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.043 J
1,2-Dichlorobenzene	100	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	49	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	NS	ND	ND	ND	ND	ND	ND	ND	4.1	0.71	ND	ND	ND
2-Methylphenol	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2 J	ND	ND
3-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	100	20	ND	ND	ND	ND	ND	ND	ND	0.05 J	ND	0.032 J	0.085 J	0.058 J
Acenaphthylene	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.056 J	ND	ND
Acetophenone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	0.3	0.14
Benzo(a)anthracene	1	1	0.031 J	ND	ND	0.056 J	ND	ND	ND	ND	ND	0.79	**1.4**	0.73
Benzo(a)pyrene	1	1	ND	ND	ND	0.086 J	ND	ND	ND	ND	ND	0.9	**1.8**	0.74
Benzo(b)fluoranthene	1	1	ND	ND	ND	0.088 J	ND	ND	ND	ND	ND	**1.1**	**2**	0.95
Benzo(ghi)perylene	100	100	ND	ND	ND	0.062 J	ND	ND	ND	ND	ND	0.49	0.85	0.73
Benzo(k)fluoranthene	3.9	0.8	ND	ND	ND	0.033 J	ND	ND	ND	ND	ND	0.39	***0.83***	0.41
Benzoic Acid	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	NS	NS	ND	ND	ND	ND	ND	ND	ND	0.1 J	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.087 J	0.13 J	0.071 J
Chrysene	3.9	1	0.021 J	ND	ND	0.047 J	ND	ND	ND	ND	ND	0.79	***1.3***	0.66
Dibenzo(a,h)anthracene	0.33	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11 J	0.3	0.22
Dibenzofuran	59	7	ND	ND	ND	ND	ND	ND	ND	0.033 J	ND	0.034 J	0.06 J	0.028 J
Diethyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	100	100	0.026 J	ND	ND	0.05 J	ND	ND	ND	ND	ND	0.97	1.2	0.68
Fluorene	100	30	ND	ND	ND	ND	ND	ND	ND	0.073 J	ND	0.041 J	0.059 J	0.032 J
Hexachlorobenzene	1.2	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND	ND	ND	0.075 J	ND	ND	ND	ND	ND	0.45	**1.1**	**0.92**
Isophorone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	100	12	ND	ND	ND	ND	ND	ND	ND	5.8	1	0.037 J	0.08 J	0.039 J
NDPA/DPA	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	15	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	6.7	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	100	ND	ND	ND	ND	ND	ND	ND	0.14	0.042 J	0.6	0.72	0.35
Phenol	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	100	0.023 J	ND	ND	0.047 J	ND	ND	ND	ND	ND	0.84	1.1	0.6

TABLE 13

Soil Analytical Data Summary - SVOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-36 (14-17) L1741853-04 11/14/2017 Soil mg/kg	SB-36 (3-5) L1741853-05 11/14/2017 Soil mg/kg	SB-38 (14-17) L1741853-06 11/14/2017 Soil mg/kg	SB-38 (5.5-7.5) L1741853-07 11/14/2017 Soil mg/kg
Semivolatile Organics Compounds (SVOCs)						
1,2,4,5-Tetrachlorobenzene	NS	NS	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND
1,2-Dichlorobenzene	100	1.1	ND	ND	ND	ND
1,3-Dichlorobenzene	49	2.4	ND	ND	ND	ND
1,4-Dichlorobenzene	13	1.8	ND	ND	ND	ND
2,4,5-Trichlorophenol	NS	NS	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	NS	ND	ND	ND	ND
2,4-Dichlorophenol	NS	NS	ND	ND	ND	ND
2,4-Dimethylphenol	NS	NS	ND	ND	ND	ND
2,4-Dinitrophenol	NS	NS	ND	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	ND	ND	ND	ND
2,6-Dinitrotoluene	NS	NS	ND	ND	ND	ND
2-Chloronaphthalene	NS	NS	ND	ND	ND	ND
2-Chlorophenol	NS	NS	ND	ND	ND	ND
2-Methylnaphthalene	NS	NS	ND	ND	ND	ND
2-Methylphenol	100	0.33	ND	ND	ND	ND
2-Nitroaniline	NS	NS	ND	ND	ND	ND
2-Nitrophenol	NS	NS	ND	ND	ND	ND
3,3'-Dichlorobenzidine	NS	NS	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	100	0.33	***0.56***	ND	0.24 J	ND
3-Nitroaniline	NS	NS	ND	ND	ND	ND
4,6-Dinitro-o-cresol	NS	NS	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	NS	ND	ND	ND	ND
4-Chloroaniline	NS	NS	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	ND	ND	ND	ND
4-Nitroaniline	NS	NS	ND	ND	ND	ND
4-Nitrophenol	NS	NS	ND	ND	ND	ND
Acenaphthene	100	20	0.032 J	ND	ND	ND
Acenaphthylene	100	100	ND	ND	ND	ND
Acetophenone	NS	NS	ND	ND	ND	ND
Anthracene	100	100	ND	ND	ND	0.055 J
Benzo(a)anthracene	1	1	0.11 J	ND	ND	0.17
Benzo(a)pyrene	1	1	0.35	ND	ND	0.14 J
Benzo(b)fluoranthene	1	1	0.32	ND	ND	0.2
Benzo(ghi)perylene	100	100	0.34	ND	ND	0.081 J
Benzo(k)fluoranthene	3.9	0.8	0.12 J	ND	ND	0.06 J
Benzoic Acid	NS	NS	ND	ND	ND	ND
Benzyl Alcohol	NS	NS	ND	ND	ND	ND
Biphenyl	NS	NS	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	NS	NS	ND	ND	ND	ND
Bis(2-chloroethyl)ether	NS	NS	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	NS	NS	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NS	NS	ND	ND	ND	ND
Butyl benzyl phthalate	NS	NS	ND	ND	ND	ND
Carbazole	NS	NS	ND	ND	ND	0.029 J
Chrysene	3.9	1	0.12 J	ND	ND	0.17
Dibenzo(a,h)anthracene	0.33	0.33	0.069 J	ND	ND	0.024 J
Dibenzofuran	59	7	ND	ND	ND	ND
Diethyl phthalate	NS	NS	ND	ND	ND	ND
Dimethyl phthalate	NS	NS	ND	ND	ND	ND
Di-n-butylphthalate	NS	NS	ND	ND	ND	ND
Di-n-octylphthalate	NS	NS	ND	ND	ND	ND
Fluoranthene	100	100	0.19	0.023 J	ND	0.37
Fluorene	100	30	ND	ND	ND	ND
Hexachlorobenzene	1.2	0.33	ND	ND	ND	ND
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	ND	ND	ND	ND
Hexachloroethane	NS	NS	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.32	ND	ND	0.092 J
Isophorone	NS	NS	ND	ND	ND	ND
Naphthalene	100	12	0.066 J	ND	0.037 J	ND
NDPA/DPA	NS	NS	ND	ND	ND	ND
Nitrobenzene	15	NS	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	NS	ND	ND	ND	ND
p-Chloro-m-cresol	NS	NS	ND	ND	ND	ND
Pentachlorophenol	6.7	0.8	ND	ND	ND	ND
Phenanthrene	100	100	0.099 J	ND	0.048 J	0.23
Phenol	100	0.33	ND	ND	ND	ND
Pyrene	100	100	0.2	ND	0.04 J	0.3

*NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
**NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
J = Estimated value
ND = Not detected
NS = No Standard
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value indicates concentration exceeds Restricted-Residential SCOs

TABLE 14

Soil Analytical Data Summary - TAL Metals
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-13 (5-7) L1636632-01 11/10/2016 Soil mg/kg	SB-13 (15-17) L1636632-02 11/10/2016 Soil mg/kg	SB-14(3-5) L1637143-01 11/15/2016 Soil mg/kg	SB-14(15-17) L1637143-02 11/15/2016 Soil mg/kg	SB-15 (7-9) L1637974-01 11/21/2016 Soil mg/kg	SB-15 (15-17) L1637974-02 11/21/2016 Soil mg/kg	SB-16(6-8) L1637143-03 11/15/2016 Soil mg/kg	SB-16(15-17) L1637143-04 11/15/2016 Soil mg/kg	SB-17(5-7) L1637143-09 11/15/2016 Soil mg/kg	DUP-02-20161115 SB-17(5-7) L1637143-11 11/15/2016 Soil mg/kg	SB-17(15-17) L1637143-10 11/15/2016 Soil mg/kg
Total Metals													
Aluminum, Total	NS	NS	7800	5500	5800	7200	5200	6100	5700	7000	6100	5600	6400
Antimony, Total	NS	NS	ND	ND	0.46 J	ND	ND	ND	ND	0.43 J	0.65 J	0.65 J	0.77 J
Arsenic, Total	16	13	4.8	3	2.3	1.4	2.4	2.6	1.2	1.3	3.6	5	3.3
Barium, Total	400	350	71	60	45	26	35	33	22	30	47	62	31
Beryllium, Total	72	7.2	0.34 J	0.34 J	0.28 J	0.3 J	0.17 J	0.15 J	0.23 J	0.3 J	0.27 J	0.34 J	0.28 J
Cadmium, Total	4.3	2.5	0.74 J	0.42 J	ND	ND	0.09 J	ND	ND	ND	ND	ND	ND
Calcium, Total	NS	NS	14000	8000	1800	1300	3400	3100	5700	3600	22000	12000	3300
Chromium, Total	NS	NS	17	13	9.3	8.7	9.5	9.5	9.2	9.1	8	7.6	9.1
Cobalt, Total	NS	NS	6.8	4.8	6.9	4.4	5.4	5.8	5.7	7.1	5	4.6	6.2
Copper, Total	270	50	34	19	34	9.7	10	13	13	13	16	18	16
Iron, Total	NS	NS	21000	12000	12000	11000	17000	23000	12000	14000	11000	11000	12000
Lead, Total	400	63	***120***	44	21	15	34	8.4	19	30	***75***	***120***	12
Magnesium, Total	NS	NS	3600	3300	2800	2000	2100	3400	3400	3600	2300	2000	2800
Manganese, Total	2000	1600	320	390	210	96	300	490	450	360	240	120	150
Mercury, Total	0.81	0.18	***0.25***	***0.6***	0.04 J	0.07 J	0.07 J	0.03 J	0.11	0.06 J	***0.47***	***0.39***	0.05 J
Nickel, Total	310	30	18	10	13	9.6	11	13	13	14	9.9	10	13
Potassium, Total	NS	NS	2200	780	790	410	510	320	390	400	550	580	400
Selenium, Total	180	3.9	ND	ND	ND	ND	0.32 J	ND	ND	ND	ND	ND	ND
Silver, Total	180	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	NS	NS	570	200	420	86 J	220	140 J	410	100 J	600	440	140 J
Thallium, Total	NS	NS	ND	ND	ND	0.36 J	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	NS	NS	18	17	13	12	12	11	12	11	12	13	13
Zinc, Total	10000	109	82	33	38	26	22	36	36	38	28	31	42

TABLE 14

Soil Analytical Data Summary - TAL Metals
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-18(5-7) L1637143-05 11/15/2016 Soil mg/kg	SB-18(15-17) L1637143-06 11/15/2016 Soil mg/kg	SB-19 (5-7) L1636796-01 11/11/2016 Soil mg/kg	SB-19 (15-17) L1636796-02 11/11/2016 Soil mg/kg	SB-20 (4-6) L1636796-05 11/11/2016 Soil mg/kg	SB-20 (15-17) L1636796-06 11/11/2016 Soil mg/kg	SB-21 (3-5) L1636796-03 11/11/2016 Soil mg/kg	SB-21 (15-17) L1636796-04 11/11/2016 Soil mg/kg	SB-22 (4-6) L1636796-07 11/11/2016 Soil mg/kg	SB-22 (15-17) L1636796-08 11/11/2016 Soil mg/kg	SB-23(5-7) L1637143-07 11/15/2016 Soil mg/kg
Total Metals													
Aluminum, Total	NS	NS	7900	5400	7400	9000	4200	12000	6100	14000	5900	7300	8000
Antimony, Total	NS	NS	0.45 J	ND	0.84 J	0.69 J	0.57 J	1.1 J	0.44 J	0.79 J	0.99 J	0.42 J	0.48 J
Arsenic, Total	16	13	1.6	2	3.9	**16**	9.8	**19**	1.7	11	7.8	4.9	1.7
Barium, Total	400	350	43	35	120	110	150	120	39	58	40	58	45
Beryllium, Total	72	7.2	0.28 J	0.22 J	0.38 J	0.46	0.69	0.6	0.32 J	0.75	0.4 J	0.34 J	0.31 J
Cadmium, Total	4.3	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium, Total	NS	NS	3000	2900	27000	5200	6400	5300	820	2900	2700	4900	1900
Chromium, Total	NS	NS	13	9.6	16	22	5.8	28	12	26	8.7	11	10
Cobalt, Total	NS	NS	5.9	5.2	4.6	6.7	4.5	9.3	5.6	10	5.5	5.2	6.2
Copper, Total	270	50	15	10	30	**58**	38	***60***	13	42	23	29	14
Iron, Total	NS	NS	13000	11000	12000	18000	15000	23000	10000	29000	14000	14000	12000
Lead, Total	400	63	31	7.7	***130***	**550**	***94***	**640**	15	***210***	38	***87***	***180***
Magnesium, Total	NS	NS	3000	3300	10000	3400	1100	5100	2000	5900	2000	2900	3000
Manganese, Total	2000	1600	140	220	410	220	400	380	230	340	230	290	98
Mercury, Total	0.81	0.18	**1.1**	0.03 J	***0.29***	**1.1**	0.08	**1.9**	0.11	**0.87**	0.05 J	0.08 J	0.1
Nickel, Total	310	30	17	11	12	16	12	22	9.8	24	13	12	14
Potassium, Total	NS	NS	1100	540	1600	1600	520	2400	1100	2200	340	810	470
Selenium, Total	180	3.9	ND	ND	ND	0.61 J	0.42 J	0.62 J	ND	0.83 J	0.32 J	ND U	ND
Silver, Total	180	2	ND	ND	ND	0.51 J	ND	0.47 J	ND	ND	ND	ND	ND
Sodium, Total	NS	NS	230	150 J	500	650	280	1300	100 J	1600	140 J	100 J	350
Thallium, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38 J
Vanadium, Total	NS	NS	16	11	21	20	13	28	15	29	16	14	13
Zinc, Total	10000	109	31	28	69	***110***	45	100	22	79	48	40	43

TABLE 14

Soil Analytical Data Summary - TAL Metals
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-23(15-17) L1637143-08 11/15/2016 Soil mg/kg	SB-24(3-5) L1636970-06 11/14/2016 Soil mg/kg	SB-24(15-17) L1636970-07 11/14/2016 Soil mg/kg	SB-25 (6-8) L1636632-03 11/10/2016 Soil mg/kg	SB-25 (15-17) L1636632-04 11/10/2016 Soil mg/kg	SB-26 (3-5) L1636970-10 11/14/2016 Soil mg/kg	SB-26 (13-15) L1636970-11 11/14/2016 Soil mg/kg	SB-27(3-5) L1636970-02 11/14/2016 Soil mg/kg	DUP01-20161114 SB-27(3-5) L1636970-01 11/14/2016 Soil mg/kg	SB-27(15-17) L1636970-03 11/14/2016 Soil mg/kg	SB-28(5-7) L1636970-04 11/14/2016 Soil mg/kg
Total Metals													
Aluminum, Total	NS	NS	6400	5600	7400	3800	6800	5700	5900	4300	4500	12000	6400
Antimony, Total	NS	NS	ND	2.4 J	ND	ND	ND	0.49 J	0.38 J	1.3 J	0.49 J	0.83 J	2.7 J
Arsenic, Total	16	13	1.5	3.9	**20**	1.8	2.7	2.8	1.8	***14***	5.9	9.5	4.6
Barium, Total	400	350	22	47	26	41	57	43	37	210	240	34	84
Beryllium, Total	72	7.2	0.28 J	0.35 J	0.28 J	0.24 J	0.42 J	0.46 J	0.33 J	0.56	0.31 J	0.7	0.26 J
Cadmium, Total	4.3	2.5	ND	ND	ND	0.25 J	0.4 J	ND	ND	ND	ND	ND	0.22 J
Calcium, Total	NS	NS	1500	1200	1800	2600	1300	4900	6100	10000	9400	5200	79000
Chromium, Total	NS	NS	10	11	10	9.7	16	13	15	7.4	7	24	11
Cobalt, Total	NS	NS	6	4.7	4.5	3.6	6	6.1	5.3	4.9	5.8	8.9	3.2
Copper, Total	270	50	18	17	23	14	17	48	15	***140***	***64***	20	***170***
Iron, Total	NS	NS	13000	13000	13000	7100	11000	12000	10000	10000	10000	36000	8600
Lead, Total	400	63	7.2	***71***	11	***65***	18	***68***	43	***210***	***170***	28	***130***
Magnesium, Total	NS	NS	3200	1700	2900	1700	2300	4700	2500	610	1000	5500	5300
Manganese, Total	2000	1600	150	240	200	270	220	260	140	90	150	***1600***	540
Mercury, Total	0.81	0.18	ND	***0.29***	0.07 J	0.06 J	0.03 J	0.13	0.08	**2.7**	***0.5***	***0.24***	***0.72***
Nickel, Total	310	30	14	9.8	10	8.8	14	12	12	12	10	22	9.6
Potassium, Total	NS	NS	480	510	400	670	810	840	870	430	330	2200	1200
Selenium, Total	180	3.9	ND	ND	ND	ND	ND	ND	ND	0.6 J	0.43 J	ND	ND
Silver, Total	180	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7
Sodium, Total	NS	NS	300	290	290	420	500	210	220	650	490	4000	780
Thallium, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	NS	NS	14	17	11	11	21	21	14	15	12	32	15
Zinc, Total	10000	109	44	29	50	17	24	69	40	94	***140***	57	***140***

TABLE 14

Soil Analytical Data Summary - TAL Metals
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-28(15-17) L1636970-05 11/14/2016 Soil mg/kg	SB-29 (5-7) L1636970-12 11/14/2016 Soil mg/kg	SB-29 (15-17) L1636970-13 11/14/2016 Soil mg/kg	SB-30(8-10) L1636970-08 11/14/2016 Soil mg/kg	SB-30(15-17) L1636970-09 11/14/2016 Soil mg/kg	SB-34_14-17 L1741853-01 11/14/2017 Soil mg/kg	SB-34_3-5 L1741853-02 11/14/2017 Soil mg/kg	DUP01-11142017 L1741853-03 11/14/2017 Soil mg/kg	SB-36_14-17 L1741853-04 11/14/2017 Soil mg/kg	SB-36_3-5 L1741853-05 11/14/2017 Soil mg/kg	SB-38_14-17 L1741853-06 11/14/2017 Soil mg/kg
Total Metals													
Aluminum, Total	NS	NS	2900	4800	2200	6100	9400	7650	7500	8210	9810	5040	15500
Antimony, Total	NS	NS	ND	0.58 J	ND	0.44 J	ND	2.54 J	ND	ND	0.579 J	ND	ND
Arsenic, Total	16	13	1.4	9.4	0.84 J	2.9	6.4	5.93	3.7	4.55	9.36	**25.4**	11.8
Barium, Total	400	350	26	110	16	25	28	128	51	44.3	65	198	51.4
Beryllium, Total	72	7.2	0.24 J	0.3 J	0.12 J	0.22 J	0.48 J	0.385 J	0.366 J	0.4 J	0.499 J	0.583	0.834
Cadmium, Total	4.3	2.5	ND	ND	ND	ND	ND	0.602 J	0.471 J	0.567 J	0.749 J	0.673 J	1.19 J
Calcium, Total	NS	NS	5000	2600	2000	7000	5800	9010	16000	4920	4710	6780	2740
Chromium, Total	NS	NS	8.7	15	4.2	10	17	12.2	21.1	14.8	17.4	8.85	29.8
Cobalt, Total	NS	NS	4	4.6	2	4.5	7.7	6.54	5.06	4.85	7.35	7.62	11.5
Copper, Total	270	50	14	29	6.5	10	14	26	16.6	13.2	25.7	34.8	37.4
Iron, Total	NS	NS	6700	10000	4700	10000	21000	14600	11900	15300	19500	12800	30600
Lead, Total	400	63	26	**750**	9.7	***74***	***160***	***225***	***195***	46.9	***124***	***80.2***	***145***
Magnesium, Total	NS	NS	2300	1700	1000	2700	4200	2570	2490	2160	4060	1510	6480
Manganese, Total	2000	1600	330	160	68	140	450	165	289	253	259	303	484
Mercury, Total	0.81	0.18	0.06 J	***0.67***	0.07 J	**1.4**	***0.18***	0.16	***0.4***	***0.2***	***0.23***	***0.29***	***0.61***
Nickel, Total	310	30	9.9	26	4.7	10	17	14.5	14.4	11.7	18.1	17	29.2
Potassium, Total	NS	NS	780	810	270	460	1500	1390	946	715	1460	706	2550
Selenium, Total	180	3.9	ND	ND	ND	ND	ND	0.355 J	0.244 J	0.437 J	0.692 J	0.888 J	0.462 J
Silver, Total	180	2	D	0.42 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium, Total	NS	NS	1000	360	110 J	660	2300	288	376	262	1000	350	2080
Thallium, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium, Total	NS	NS	12	16	4.7	8.2	20	16.3	19.9	19	22.5	16.6	37.4
Zinc, Total	10000	109	12	38	13	32	52	70.5	58.8	32.5	52	85	80.3

TABLE 14

Soil Analytical Data Summary - TAL Metals
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-38_5.5-7.5 L1741853-07 11/14/2017 Soil mg/kg	
Total Metals				
Aluminum, Total	NS	NS	5420	
Antimony, Total	NS	NS	ND	
Arsenic, Total	16	13	2.27	
Barium, Total	400	350	69.6	
Beryllium, Total	72	7.2	0.27	J
Cadmium, Total	4.3	2.5	0.351	J
Calcium, Total	NS	NS	14000	
Chromium, Total	NS	NS	12.1	
Cobalt, Total	NS	NS	3.7	
Copper, Total	270	50	16.5	
Iron, Total	NS	NS	8880	
Lead, Total	400	63	***78.7***	
Magnesium, Total	NS	NS	2020	
Manganese, Total	2000	1600	224	
Mercury, Total	0.81	0.18	***0.21***	
Nickel, Total	310	30	8.4	
Potassium, Total	NS	NS	1310	
Selenium, Total	180	3.9	0.232	U
Silver, Total	180	2	ND	
Sodium, Total	NS	NS	161	J
Thallium, Total	NS	NS	ND	
Vanadium, Total	NS	NS	18.7	
Zinc, Total	10000	109	31.8	

*NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
**NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
J = Estimated value
ND = Not detected
NS = No Standard
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value indicates concentration exceeds Restricted-Residential SCOs

TABLE 15

Soil Analytical Data Summary - PCBs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-13 (5-7) L1636632-01 11/10/2016 Soil mg/kg	SB-13 (15-17) L1636632-02 11/10/2016 Soil mg/kg	SB-14(3-5) L1637143-01 11/15/2016 Soil mg/kg	SB-14(15-17) L1637143-02 11/15/2016 Soil mg/kg	SB-15 (7-9) L1637974-01 11/21/2016 Soil mg/kg	SB-15 (15-17) L1637974-02 11/21/2016 Soil mg/kg	SB-16(6-8) L1637143-03 11/15/2016 Soil mg/kg	SB-16(15-17) L1637143-04 11/15/2016 Soil mg/kg	SB-17(5-7) L1637143-09 11/15/2016 Soil mg/kg	DUP-02-20161115 SB-17(5-7) L1637143-11 11/15/2016 Soil mg/kg
Polychlorinated Biphenyls												
Aroclor 1016	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 15

Soil Analytical Data Summary - PCBs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	SB-17(15-17) L1637143-10 11/15/2016 Soil mg/kg	SB-18(5-7) L1637143-05 11/15/2016 Soil mg/kg	SB-18(15-17) L1637143-06 11/15/2016 Soil mg/kg	SB-19 (5-7) L1636796-01 11/11/2016 Soil mg/kg	SB-19 (15-17) L1636796-02 11/11/2016 Soil mg/kg	SB-20 (4-6) L1636796-05 11/11/2016 Soil mg/kg	SB-20 (15-17) L1636796-06 11/11/2016 Soil mg/kg	SB-21 (3-5) L1636796-03 11/11/2016 Soil mg/kg	SB-21 (15-17) L1636796-04 11/11/2016 Soil mg/kg	SB-22 (4-6) L1636796-07 11/11/2016 Soil mg/kg	SB-22 (15-17) L1636796-08 11/11/2016 Soil mg/kg
Polychlorinated Biphenyls												
Aroclor 1016	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 15

Soil Analytical Data Summary - PCBs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	SB-23(5-7) L1637143-07 11/15/2016 Soil mg/kg	SB-23(15-17) L1637143-08 11/15/2016 Soil mg/kg	SB-24(3-5) L1636970-06 11/14/2016 Soil mg/kg	SB-24(15-17) L1636970-07 11/14/2016 Soil mg/kg	SB-25 (6-8) L1636632-03 11/10/2016 Soil mg/kg	SB-25 (15-17) L1636632-04 11/10/2016 Soil mg/kg	SB-26 (3-5) L1636970-10 11/14/2016 Soil mg/kg	SB-26 (13-15) L1636970-11 11/14/2016 Soil mg/kg	SB-27(3-5) L1636970-02 11/14/2016 Soil mg/kg	DUP01-20161114 SB-27(3-5) L1636970-01 11/14/2016 Soil mg/kg
Polychlorinated Biphenyls											
Aroclor 1016	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 15

Soil Analytical Data Summary - PCBs
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	SB-27(15-17) L1636970-03 11/14/2016 Soil mg/kg	SB-28(5-7) L1636970-04 11/14/2016 Soil mg/kg	SB-28(15-17) L1636970-05 11/14/2016 Soil mg/kg	SB-29 (5-7) L1636970-12 11/14/2016 Soil mg/kg	SB-29 (15-17) L1636970-13 11/14/2016 Soil mg/kg	SB-30(8-10) L1636970-08 11/14/2016 Soil mg/kg	SB-30(15-17) L1636970-09 11/14/2016 Soil mg/kg	SB-34_14-17 L1741853-01 11/14/2017 Soil mg/kg	SB-34_3-5 L1741853-02 11/14/2017 Soil mg/kg	DUP01-11142017 L1741853-03 11/14/2017 Soil mg/kg	SB-36_14-17 L1741853-04 11/14/2017 Soil mg/kg
Polychlorinated Biphenyls												
Aroclor 1016	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 15

Soil Analytical Data Summary - PCBs
Remedial Investigation Report
555 West 22nd Street

Sample ID	*NY-RESRR	SB-36_3-5	SB-38_14-17	SB-38_5.5-7.5
Lab Sample ID		L1741853-05	L1741853-06	L1741853-07
Sample Date		11/14/2017	11/14/2017	11/14/2017
Sample Media		Soil	Soil	Soil
Unit of Measure		mg/kg	mg/kg	mg/kg
Polychlorinated Biphenyls				
Aroclor 1016	1	ND	ND	ND
Aroclor 1221	1	ND	ND	ND
Aroclor 1232	1	ND	ND	ND
Aroclor 1242	1	ND	0.04 J	ND
Aroclor 1248	1	ND	ND	ND
Aroclor 1254	1	ND	0.0304 J	ND
Aroclor 1260	1	ND	ND	ND
Aroclor 1262	1	ND	ND	ND
Aroclor 1268	1	ND	ND	ND
PCBs, Total	NS	ND	0.0704 J	ND

*NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
**NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
J = Estimated value
ND = Not detected
NS = No Standard
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value indicates concentration exceeds Restricted-Residential SCOs

TABLE 16

Soil Analytical Data Summary - Pesticides
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	**NY-UNRES	SB-13 (5-7) L1636632-01 11/10/2016 Soil mg/kg	SB-13 (15-17) L1636632-02 11/10/2016 Soil mg/kg	SB-14(3-5) L1637143-01 11/15/2016 Soil mg/kg	SB-14(15-17) L1637143-02 11/15/2016 Soil mg/kg	SB-15 (7-9) L1637974-01 11/21/2016 Soil mg/kg	SB-15 (15-17) L1637974-02 11/21/2016 Soil mg/kg	SB-16(6-8) L1637143-03 11/15/2016 Soil mg/kg	SB-16(15-17) L1637143-04 11/15/2016 Soil mg/kg	SB-17(5-7) L1637143-09 11/15/2016 Soil mg/kg	DUP-02-20161115 SB-17(5-7) L1637143-11 11/15/2016 Soil mg/kg	SB-17(15-17) L1637143-10 11/15/2016 Soil mg/kg	SB-18(5-7) L1637143-05 11/15/2016 Soil mg/kg	SB-18(15-17) L1637143-06 11/15/2016 Soil mg/kg
Organochlorine Pesticides by GC															
4,4'-DDD	13	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	8.9	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	7.9	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.097	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.48	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	0.36	0.036	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-Chlordane	4.2	0.094	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC	100	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.2	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	24	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	24	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	24	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	11	0.014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	2.1	0.042	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lindane	1.3	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-Chlordane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 16

Soil Analytical Data Summary - Pesticides
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	SB-19 (5-7) L1636796-01 11/11/2016 Soil mg/kg	SB-19 (15-17) L1636796-02 11/11/2016 Soil mg/kg	SB-20 (4-6) L1636796-05 11/11/2016 Soil mg/kg	SB-20 (15-17) L1636796-06 11/11/2016 Soil mg/kg	SB-21 (3-5) L1636796-03 11/11/2016 Soil mg/kg	SB-21 (15-17) L1636796-04 11/11/2016 Soil mg/kg	SB-22 (4-6) L1636796-07 11/11/2016 Soil mg/kg	SB-22 (15-17) L1636796-08 11/11/2016 Soil mg/kg	SB-23(5-7) L1637143-07 11/15/2016 Soil mg/kg	SB-23(15-17) L1637143-08 11/15/2016 Soil mg/kg	SB-24(3-5) L1636970-06 11/14/2016 Soil mg/kg	SB-24(15-17) L1636970-07 11/14/2016 Soil mg/kg	SB-25 (6-8) L1636632-03 11/10/2016 Soil mg/kg
Organochlorine Pesticides by GC														
4,4'-DDD	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	8.9	ND	ND	ND	ND	ND	***0.00953*** P	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	7.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.097	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-Chlordane	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00266 P
Dieldrin	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	24	ND	ND	ND	ND	ND	0.0114 P	ND	ND	ND	ND	ND	ND	ND
Endrin	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	NS	ND	ND	ND	ND	ND	ND	ND	0.00102 J	ND	ND	ND	ND	ND
Endrin ketone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lindane	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-Chlordane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 16

Soil Analytical Data Summary - Pesticides
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	SB-25 (15-17) L1636632-04 11/10/2016 Soil mg/kg	SB-26 (3-5) L1636970-10 11/14/2016 Soil mg/kg	SB-26 (13-15) L1636970-11 11/14/2016 Soil mg/kg	SB-27(3-5) L1636970-02 11/14/2016 Soil mg/kg	DUP01-20161114 SB-27(3-5) L1636970-01 11/14/2016 Soil mg/kg	SB-27(15-17) L1636970-03 11/14/2016 Soil mg/kg	SB-28(5-7) L1636970-04 11/14/2016 Soil mg/kg	SB-28(15-17) L1636970-05 11/14/2016 Soil mg/kg	SB-29 (5-7) L1636970-12 11/14/2016 Soil mg/kg	SB-29 (15-17) L1636970-13 11/14/2016 Soil mg/kg	SB-30(8-10) L1636970-08 11/14/2016 Soil mg/kg	SB-30(15-17) L1636970-09 11/14/2016 Soil mg/kg	SB-34 (14-17) L1741853-01 11/14/2017 Soil mg/kg
Organochlorine Pesticides by GC														
4,4'-DDD	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00105 J
4,4'-DDE	8.9	ND	ND	ND	ND	ND	ND	***0.00441***	ND	ND	ND	ND	ND	0.00152 J
4,4'-DDT	7.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.00919**
Aldrin	0.097	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-Chlordane	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lindane	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-Chlordane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 16

Soil Analytical Data Summary - Pesticides
Remedial Investigation Report
555 West 22nd Street

Sample ID Lab Sample ID Sample Date Sample Media Unit of Measure	*NY-RESRR	SB-34 (3-5) L1741853-02 11/14/2017 Soil mg/kg	DUP01-11142017 L1741853-03 11/14/2017 Soil mg/kg	SB-36 (14-17) L1741853-04 11/14/2017 Soil mg/kg	SB-36 (3-5) L1741853-05 11/14/2017 Soil mg/kg	SB-38 (14-17) L1741853-06 11/14/2017 Soil mg/kg	SB-38 (5.5-7.5) L1741853-07 11/14/2017 Soil mg/kg
Organochlorine Pesticides by GC							
4,4'-DDD	13	ND	ND	0.000957 J	ND	0.00154 J	ND
4,4'-DDE	8.9	0.000603 J	0.000604 J	0.00117 J	ND	ND	0.000566 J
4,4'-DDT	7.9	0.00286 J	0.00242 J	**0.00346** J	ND	ND	0.00178 J
Aldrin	0.097	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.48	ND	ND	ND	ND	ND	ND
Beta-BHC	0.36	ND	ND	ND	ND	ND	ND
Chlordane	NS	ND	ND	ND	ND	ND	ND
cis-Chlordane	4.2	ND	ND	ND	ND	ND	ND
Delta-BHC	100	ND	ND	ND	ND	ND	ND
Dieldrin	0.2	ND	ND	ND	ND	ND	ND
Endosulfan I	24	ND	ND	ND	ND	ND	ND
Endosulfan II	24	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	24	ND	ND	ND	ND	ND	ND
Endrin	11	ND	ND	ND	ND	ND	ND
Endrin aldehyde	NS	ND	ND	ND	ND	ND	ND
Endrin ketone	NS	ND	ND	ND	ND	ND	ND
Heptachlor	2.1	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	NS	ND	ND	ND	ND	ND	ND
Lindane	1.3	ND	ND	ND	ND	ND	ND
Methoxychlor	NS	ND	ND	ND	ND	ND	ND
Toxaphene	NS	ND	ND	ND	ND	ND	ND
trans-Chlordane	NS	ND	ND	ND	ND	ND	ND

*NY-RESRR: Restricted-Residential Criteria, New York Restricted use current as of 5/2007
**NY-UNRES: New York Unrestricted use Criteria current as of 5/2007
P - The RPD between the results for the two columns exceeds the method-specified criteria.
J = Estimated value
ND = Not detected
NS = No Standard
Bold and *Italicized* value indicates concentration exceeds Unrestricted SCOs
Bold and shaded value indicates concentration exceeds Restricted-Residential SCOs

TABLE 17

Groundwater Analytical Summary-VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Sample Date Lab Sample ID Sample Media Unit of Measure	*NY-AWQS TOGS	GW-13 11/21/2016 L1637972-01 Groundwater µg/l	GW-14 11/15/2016 L1637142-01 Groundwater µg/l	GW-18 11/15/2016 L1637142-02 Groundwater µg/l	GW-19 11/22/2016 L1638171-01 Groundwater µg/l	GW-25 11/21/2016 L1637972-02 Groundwater µg/l	DUP01-20161121 GW-25 11/21/2016 L1637972-03 Groundwater µg/l	GW-25 (MW-3) 6/23/2017 L1721487-02 Groundwater µg/l	DUP 01 GW-25 (MW-3) 6/23/2017 L1721487-04 Groundwater µg/l	GW-26 11/14/2016 L1636969-01 Groundwater µg/l	GW-28 11/14/2016 L1636969-02 Groundwater µg/l	GW-29 11/14/2016 L1636969-03 Groundwater µg/l	GW-31 6/23/2017 L1721487-01 Groundwater µg/l	GW-32 6/23/2017 L1721487-03 Groundwater µg/l	GW-33 11/14/2017 L1741853-08 Groundwater µg/l
Volatile Organics (VOCs)															
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene, Total	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	0.22	ND	**2000**	**1900**	**2800**	**2800**	ND	0.2 J	ND	ND	**66**	ND
Toluene	5	ND	ND	ND	ND	**340**	**330**	**520**	**500**	ND	ND	ND	ND	**10**	ND
Ethylbenzene	5	ND	ND	ND	ND	**1300**	**1200**	**1600**	**1500**	ND	ND	ND	ND	**200**	ND
Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	10	3.4	4.4	ND	8.1	ND	ND	ND	ND	0.79 J	1.4 J	ND	1.3 J	ND	8.5
p/m-Xylene	5	ND	ND	ND	ND	**4000**	**3900**	**6000**	**5800**	ND	ND	ND	ND	**750**	ND
o-Xylene	5	ND	ND	ND	ND	**1400**	**1400**	**2000**	**1900**	ND	ND	ND	ND	**110**	ND
Xylenes, Total	5	ND	ND	ND	ND	**5400**	**5300**	**8000**	**7700**	ND	ND	ND	ND	**860**	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	5.4	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND
Carbon disulfide	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.0006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.75 J	ND	**6 J**	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.9	ND	**5.1 J**	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.76 J	ND	ND	ND
o-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	**92 J**	**92 J**	**74**	**68 J**	ND	ND	3.7	ND	**110**	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4 J	ND
Naphthalene	10	ND	ND	ND	ND	**220**	**240**	**200**	**200**	ND	ND	1.2 J	ND	**49**	ND
n-Propylbenzene	5	ND	ND	ND	ND	**170**	**170**	**150**	**140**	ND	ND	1.7 J	ND	**110**	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 17

Groundwater Analytical Summary-VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Sample Date Lab Sample ID Sample Media Unit of Measure	*NY-AWQS TOGS	GW-13 11/21/2016 L1637972-01 Groundwater µg/l	GW-14 11/15/2016 L1637142-01 Groundwater µg/l	GW-18 11/15/2016 L1637142-02 Groundwater µg/l	GW-19 11/22/2016 L1638171-01 Groundwater µg/l	GW-25 11/21/2016 L1637972-02 Groundwater µg/l	DUP01-20161121 GW-25 11/21/2016 L1637972-03 Groundwater µg/l	GW-25 (MW-3) 6/23/2017 L1721487-02 Groundwater µg/l	DUP 01 GW-25 (MW-3) 6/23/2017 L1721487-04 Groundwater µg/l	GW-26 11/14/2016 L1636969-01 Groundwater µg/l	GW-28 11/14/2016 L1636969-02 Groundwater µg/l	GW-29 11/14/2016 L1636969-03 Groundwater µg/l	GW-31 6/23/2017 L1721487-01 Groundwater µg/l	GW-32 6/23/2017 L1721487-03 Groundwater µg/l	GW-33 11/14/2017 L1741853-08 Groundwater µg/l
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	**300**	**290**	**330**	**310**	ND	ND	ND	ND	**83**	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	**1000**	**1000**	**1200**	**1200**	ND	ND	ND	ND	**350**	ND
1,4-Dioxane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	NS	ND	ND	ND	ND	ND	ND	100	100	ND	ND	1.8 J	ND	27	ND
p-Ethyltoluene	NS	ND	ND	ND	ND	ND	ND	870	850	ND	ND	ND	ND	160	ND
1,2,4,5-Tetramethylbenzene	5	ND	ND	1.2 J	ND	**61 J**	**59 J**	**44 J**	**50 J**	ND	ND	4.9	ND	**39**	ND
Ethyl ether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 17

Groundwater Analytical Summary-VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Sample Date Lab Sample ID Sample Media Unit of Measure	*NY-AWQS TOGS	TRIP BLANK-20161110 11/10/2016 L1636632-05 Aqueous µg/l	TRIP BLANK-20161111 11/11/2016 L1636796-09 Aqueous µg/l	TRIP BLANK-20161114 11/14/2016 L1636970-14 Aqueous µg/l	TRIP BLANK-20161115 11/15/2016 L1637143-12 Aqueous µg/l	TRIP BLANK-20161121 11/21/2016 L1637974-03 Aqueous µg/l	TRIP BLANK 112216 11/22/2016 L1638171-02 Aqueous µg/l	TRIP BLANK-20170623 6/23/2017 L1721487-05 Aqueous µg/l
Volatile Organics (VOCs)								
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropene, Total	NS	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene	5	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	10	ND	ND	ND	ND	ND	ND	ND
p/m-Xylene	5	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	5	ND	ND	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	NS	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	0.0006	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	5	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND

TABLE 17

Groundwater Analytical Summary-VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Sample Date Lab Sample ID Sample Media Unit of Measure	*NY-AWQS TOGS	TRIP BLANK-20161110 11/10/2016 L1636632-05 Aqueous µg/l	TRIP BLANK-20161111 11/11/2016 L1636796-09 Aqueous µg/l	TRIP BLANK-20161114 11/14/2016 L1636970-14 Aqueous µg/l	TRIP BLANK-20161115 11/15/2016 L1637143-12 Aqueous µg/l	TRIP BLANK-20161121 11/21/2016 L1637974-03 Aqueous µg/l	TRIP BLANK 112216 11/22/2016 L1638171-02 Aqueous µg/l	TRIP BLANK-20170623 6/23/2017 L1721487-05 Aqueous µg/l
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NS	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	NS	ND	ND	ND	ND	ND	ND	ND
p-Ethyltoluene	NS	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene	5	ND	ND	ND	ND	ND	ND	ND
Ethyl ether	NS	ND	ND	ND	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene	5	ND	ND	ND	ND	ND	ND	ND

Notes:
Bold and shaded value indicates concentration exceeds TOGS AWQS
J = Estimated value
ND = Not detected
NS = No Standard
-- = Not Analyzed
* = NYSDEC TOGS 1.1.1. Ambient Water Quality Standards (AWQS)

TABLE 18

Groundwater Analytical Summary-SVOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Sample Date Lab Sample ID Sample Media Unit of Measure	*NY-AWQS TOGS	GW-13 11/21/2016 L1637972-01 Groundwater µg/l	GW-14 11/15/2016 L1637142-01 Groundwater µg/l	GW-18 11/15/2016 L1637142-02 Groundwater µg/l	GW-19 11/22/2016 L1638171-01 Groundwater µg/l	GW-25 11/21/2016 L1637972-02 Groundwater µg/l	DUP01-20161121 GW-25 11/21/2016 L1637972-03 Groundwater µg/l	GW-25 (MW-3) 6/23/2017 L1721487-02 Groundwater µg/l	DUP01 GW-25 (MW-3) 6/23/2017 L1721487-04 Groundwater µg/l	GW-26 11/14/2016 L1636969-01 Groundwater µg/l	GW-28 11/14/2016 L1636969-02 Groundwater µg/l
Semivolatile Organics (SVOCs)											
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NDPA/DPA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetophenone	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Chloro-m-cresol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND	48	29	**68**	**90**	ND	ND
2-Nitrophenol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-o-cresol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	1	ND	ND	ND	ND	**16**	**9.1**	ND	ND	ND	ND
2-Methylphenol	NS	ND	ND	ND	ND	6	3.4 J	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	NS	ND	ND	ND	ND	7.7	4.2 J	22	28	ND	ND
2,4,5-Trichlorophenol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20	ND	ND	ND	0.11	0.32	0.31	0.24	0.28	ND	0.08 J
2-Chloronaphthalene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	0.21	ND	ND	ND	ND	0.08 J	0.24
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 18

Groundwater Analytical Summary-SVOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Sample Date Lab Sample ID Sample Media Unit of Measure	*NY-AWQS TOGS	GW-13 11/21/2016 L1637972-01 Groundwater µg/l	GW-14 11/15/2016 L1637142-01 Groundwater µg/l	GW-18 11/15/2016 L1637142-02 Groundwater µg/l	GW-19 11/22/2016 L1638171-01 Groundwater µg/l	GW-25 11/21/2016 L1637972-02 Groundwater µg/l	DUP01-20161121 GW-25 11/21/2016 L1637972-03 Groundwater µg/l	GW-25 (MW-3) 6/23/2017 L1721487-02 Groundwater µg/l	DUP01 GW-25 (MW-3) 6/23/2017 L1721487-04 Groundwater µg/l	GW-26 11/14/2016 L1636969-01 Groundwater µg/l	GW-28 11/14/2016 L1636969-02 Groundwater µg/l
Naphthalene	10	ND	0.06 J	0.17 J	0.42	**140**	**140**	**120**	**190**	ND	0.17 J
Benzo(a)anthracene	0.002	ND	ND	ND	**0.12 J**	ND	ND	ND	ND	**0.05 J**	**0.09 J**
Benzo(a)pyrene	0.002	ND	ND	ND	**0.16 J**	ND	ND	ND	ND	**0.07 J**	**0.08 J**
Benzo(b)fluoranthene	0.002	ND	ND	ND	**0.1 J**	ND	ND	ND	ND	**0.07 J**	**0.12 J**
Benzo(k)fluoranthene	0.002	ND	ND	ND	**0.1 J**	ND	ND	ND	ND	ND	**0.04 J**
Chrysene	0.002	ND	ND	ND	**0.11 J**	ND	ND	ND	ND	**0.05 J**	**0.09 J**
Acenaphthylene	NS	ND	ND	ND	0.12 J	ND	ND	0.07 J	0.08 J	ND	0.05 J
Anthracene	50	ND	ND	ND	0.05 J	0.04 J	0.04 J	ND	ND	ND	0.11 J
Benzo(ghi)perylene	NS	ND	ND	ND	0.08 J	ND	ND	ND	ND	0.05 J	ND
Fluorene	50	ND	ND	ND	0.07 J	0.29	0.28	0.3	0.36	ND	0.06 J
Phenanthrene	50	ND	0.07	ND	0.23	0.25	0.24	0.2	0.24	0.08 J	0.24
Dibenzo(a,h)anthracene	NS	ND	ND	ND	0.04 J	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	**0.09 J**	ND	ND	ND	ND	**0.06 J**	**0.04 J**
Pyrene	50	ND	ND	ND	0.2	ND	ND	ND	ND	0.07 J	0.23
2-Methylnaphthalene	NS	ND	ND	0.14 J	0.09 J	35	36	26	33	0.07 J	0.09 J
Pentachlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 18

Groundwater Analytical Summary-SVOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Sample Date Lab Sample ID Sample Media Unit of Measure	*NY-AWQS TOGS	GW-29 11/14/2016 L1636969-03 Groundwater µg/l	GW-31 6/23/2017 L1721487-01 Groundwater µg/l	GW-32 6/23/2017 L1721487-03 Groundwater µg/l	GW-33 11/14/2017 L1741853-08 Groundwater µg/l
Semivolatile Organics (SVOCs)					
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	ND	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	5	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	5	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	ND	ND	ND	ND
Isophorone	50	ND	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND	ND
NDPA/DPA	50	ND	ND	ND	ND
n-Nitrosodi-n-propylamine	NS	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	ND
Butyl benzyl phthalate	50	ND	ND	ND	ND
Di-n-butylphthalate	50	ND	ND	ND	ND
Di-n-octylphthalate	50	ND	ND	ND	ND
Diethyl phthalate	50	ND	ND	ND	ND
Dimethyl phthalate	50	ND	ND	ND	ND
Biphenyl	NS	ND	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND	ND
4-Nitroaniline	5	ND	ND	ND	ND
Dibenzofuran	NS	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	5	ND	ND	ND	ND
Acetophenone	NS	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	ND	ND	ND	ND
p-Chloro-m-cresol	NS	ND	ND	ND	ND
2-Chlorophenol	NS	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND
2,4-Dimethylphenol	50	ND	ND	ND	ND
2-Nitrophenol	NS	ND	ND	ND	ND
4-Nitrophenol	NS	ND	ND	ND	ND
2,4-Dinitrophenol	10	ND	ND	ND	ND
4,6-Dinitro-o-cresol	NS	ND	ND	ND	ND
Phenol	1	ND	ND	ND	ND
2-Methylphenol	NS	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	NS	ND	ND	ND	ND
2,4,5-Trichlorophenol	NS	ND	ND	ND	ND
Benzoic Acid	NS	ND	ND	ND	ND
Benzyl Alcohol	NS	ND	ND	ND	ND
Carbazole	NS	ND	ND	ND	ND
Acenaphthene	20	0.11	ND	0.05 J	ND
2-Chloronaphthalene	10	ND	ND	ND	ND
Fluoranthene	50	ND	ND	ND	0.05 J
Hexachlorobutadiene	0.5	ND	ND	ND	ND

TABLE 18

Groundwater Analytical Summary-SVOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID Sample Date Lab Sample ID Sample Media Unit of Measure	*NY-AWQS TOGS	GW-29 11/14/2016 L1636969-03 Groundwater µg/l	GW-31 6/23/2017 L1721487-01 Groundwater µg/l	GW-32 6/23/2017 L1721487-03 Groundwater µg/l	GW-33 11/14/2017 L1741853-08 Groundwater µg/l
Naphthalene	10	ND	ND	**20**	ND
Benzo(a)anthracene	0.002	ND	ND	ND	**0.05 J**
Benzo(a)pyrene	0.002	ND	ND	ND	0.05 J
Benzo(b)fluoranthene	0.002	ND	ND	ND	**0.05 J**
Benzo(k)fluoranthene	0.002	ND	ND	ND	ND
Chrysene	0.002	ND	ND	ND	**0.04 J**
Acenaphthylene	NS	ND	ND	ND	ND
Anthracene	50	ND	ND	ND	ND
Benzo(ghi)perylene	NS	ND	ND	ND	ND
Fluorene	50	0.05 J	ND	0.05 J	ND
Phenanthrene	50	0.16 J	ND	0.04 J	ND
Dibenzo(a,h)anthracene	NS	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.002	ND	ND	ND	**0.04 J**
Pyrene	50	0.04 J	ND	ND	ND
2-Methylnaphthalene	NS	0.06 J	ND	1.8	ND
Pentachlorophenol	1	ND	ND	ND	ND
Hexachlorobenzene	0.04	ND	ND	ND	ND
Hexachloroethane	5	ND	ND	ND	ND

Notes:
Bold and shaded value indicates concentration exceeds TOGS AWQS
J = Estimated value
ND = Not detected
NS = No Standard
-- = Not Analyzed
* = NYSDEC TOGS 1.1.1. Ambient Water Quality Standards (AWQS)

TABLE 19

Groundwater Analytical Summary- Metals Dissolved and Total
Remedial Investigation Report
555 West 22nd Street

Sample ID Sample Date Lab Sample ID Sample Media Unit of Measure	*NY-AWQS TOGS	GW-13 11/21/2016 L1637972-01 Groundwater µg/l	GW-14 11/15/2016 L1637142-01 Groundwater µg/l	GW-18 11/15/2016 L1637142-02 Groundwater µg/l	GW-19 11/22/2016 L1638171-01 Groundwater µg/l	GW-25 11/21/2016 L1637972-02 Groundwater µg/l	DUP01-20161121 GW-25 11/21/2016 L1637972-03 Groundwater µg/l	GW-26 11/14/2016 L1636969-01 Groundwater µg/l	GW-28 11/14/2016 L1636969-02 Groundwater µg/l	GW-29 11/14/2016 L1636969-03 Groundwater µg/l	GW-33 11/14/2017 L1741853-08 Groundwater µg/l
Dissolved Metals											
Aluminum	NS	20.1	6.28 J	7.91 J	110	10.4	14.9	5.22 J	2090	11.8	ND
Antimony	3	**4.85**	1.38 J	0.85 J	**5.81**	**7.56**	**7.5**	0.95 J	1.7 J	0.86 J	ND
Arsenic	25	0.94	5.57	**56.78**	7.19	2.74	2.68	4.49	**45.24**	7.53	0.73
Barium	1000	840.5	444	236.7	509.1	**2406**	**2388**	135.4	77.59	194.2	164.4
Beryllium	3	ND	ND	ND	ND	ND	ND	ND	0.53	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	ND	ND	0.09 J	ND	ND
Calcium	NS	485000	396000	268000	158000	547000	538000	185000	53900	146000	199000
Chromium	50	0.28 J	0.22 J	0.19 J	0.67 J	0.26 J	0.23 J	1.42	**51.89**	0.4 J	ND
Cobalt	NS	0.33 J	2.3	0.67	0.97	1.5	1.64	2.92	3.49	1.11	0.99
Copper	200	2.05	0.83 J	0.76 J	2.48	0.85 J	0.86 J	ND	41.94	ND	0.56 J
Iron	300	260	276	91.2	**5560**	**629**	**777**	111	**4030**	49.3 J	123
Lead	25	0.52 J	9.22	1.46	10.4	11.69	12.2	ND	**69.41**	0.42 J	ND
Magnesium	35000	**68900**	**96800**	**56300**	**56500**	**41300**	**41200**	**52300**	32400	**41600**	**72000**
Manganese	300	**2518**	**2522**	**930.1**	**2063**	**7370**	**7135**	**1546**	69.21	**1298**	**1711**
Mercury	0.7	0.1 J	ND	ND	ND	ND	ND	ND	0.07 J	ND	ND
Nickel	100	1.41 J	21.73	2.61	3.57	4.06	4.08	4.77	11.47	3.2	2.68
Potassium	NS	50700	49400	122000	46200	65600	65600	82200	38000	63800	42600
Selenium	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	20000	**1130000**	**681000**	**212000**	**330000**	**2250000**	**2220000**	**391000**	**1430000**	**355000**	**187000**
Thallium	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NS	ND	4.64 J	2.34 J	3.31 J	ND	ND	ND	309.4	4.12 J	ND
Zinc	2000	ND	ND	ND	6.8 J	ND	ND	3.65 J	26.64	ND	ND
Total Metals											
Aluminum	NS	725	254000	257000	2160	3120	2970	35000	71200	165000	844
Antimony	3	ND	0.71 J	0.97 J	**3.3** J	1.1 J	1.2 J	0.4 J	1.4 J	0.5 J	0.7 J
Arsenic	25	2.9	**49.26**	**852.4**	11.29	8.6	7.4	**37.1**	**84.8**	**98.5**	3.09
Barium	1000	937.4	**4884**	**4348**	601.8	**2872**	**3000**	984	**1584**	**6417**	277.8
Beryllium	3	ND	**19.81**	**16.48**	0.19 J	ND U	0.1 J	**3.2**	**8.3**	**26.2**	0.12 J
Cadmium	5	ND	3.14	4.83	0.06 J	ND U	ND	0.7	1.7	3.8	ND
Calcium	NS	447000	593000	427000	151000	513000	534000	254000	200000	400000	200000
Chromium	50	1.7	**297.2**	**281.7**	5.62	7.1	7.3	**91.4**	**251.8**	**408.1**	2.15
Cobalt	NS	0.6	151.1	146.6	2.13	3.6	3.7	35.8	62	217.2	1.48
Copper	200	5.1	**677**	**2481**	13.35	11.3	9.7	**218.1**	**638.2**	**1611**	3.13
Iron	300	**5880**	**270000**	**329000**	**12700**	**80700**	**75800**	**73300**	**151000**	**516000**	**17400**
Lead	25	17.1	**4372**	**7890**	**97.98**	**212.8**	**198**	**1350**	**1837**	**4927**	**56.76**
Magnesium	35000	**66500**	**116000**	**92600**	**54000**	**40800**	**39100**	**64400**	**59600**	**148000**	**71000**
Manganese	300	**2399**	**9716**	**9288**	**2087**	**8565**	**8202**	**3630**	**2485**	**15090**	**1755**
Mercury	0.7	ND	**1.75**	0.64	ND	0.07 J	ND	0.19 J	**3.37**	0.08 J	0.2
Nickel	100	1.5 J	**376.5**	**300.8**	6.2	7.5	6.4	71.2	**130.6**	**442.3**	3.77
Potassium	NS	50300	39600	154000	43200	66100	65200	88200	42000	70900	42600
Selenium	10	ND	6.03	6.68	ND	ND	ND	8	**24**	**81**	ND
Silver	50	ND	5.29	3.84	ND	ND	ND	1	2	3.4	ND
Sodium	20000	**1210000**	**639000**	**214000**	**316000**	**2390000**	**2500000**	**403000**	**1480000**	**349000**	**191000**
Thallium	0.5	ND	**1.39**	**1.54**	ND	ND	ND	0.47 J	**1.1**	**2.3**	ND
Vanadium	NS	2.3 J	364.3	357	9.53	11.3	9.7	111.4	549.7	534	5.74
Zinc	2000	6 J	1170	**2392**	30.22	12.3	12.5	420.1	608.6	**2131**	20.11

Notes:
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J = Estimated value
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NS = No Standard
-- = Not Analyzed
* = NYSDEC TOGS 1.1.1. Ambient Water Quality Standards (AWQS)

TABLE 20

Groundwater Analytical Summary-PCBs
Remedial Investigation Report
555 West 22nd Street

Sample ID Sample Date Lab Sample ID Sample Media Unit of Measure	*NY-AWQS TOGS	GW-13 11/21/2016 L1637972-01 Groundwater µg/l	GW-14 11/15/2016 L1637142-01 Groundwater µg/l	GW-18 11/15/2016 L1637142-02 Groundwater µg/l	GW-25 11/21/2016 L1637972-02 Groundwater µg/l	DUP01-20161121 GW-25 11/21/2016 L1637972-03 Groundwater µg/l	GW-26 11/14/2016 L1636969-01 Groundwater µg/l	GW-28 11/14/2016 L1636969-02 Groundwater µg/l	GW-29 11/14/2016 L1636969-03 Groundwater µg/l	GW-19 11/22/2016 L1638171-01 Groundwater µg/l	GW-33 11/14/2017 L1741853-08 Groundwater µg/l
Polychlorinated Biphenyls (PCBs)											
Aroclor 1016	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.059 J
Aroclor 1248	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCBs, Total	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.059 J

Notes:
Bold and shaded value indicates concentration exceeds TOGS AWQS
J = Estimated value
ND = Not detected
NS = No Standard
-- = Not Analyzed
* = NYSDEC TOGS 1.1.1. Ambient Water Quality Standards (AWQS)

TABLE 21

Groundwater Analytical Summary- Pesticides
Remedial Investigation Report
555 West 22nd Street

Sample ID Sample Date Lab Sample ID Sample Media Unit of Measure	*NY-AWQS TOGS	GW-13 11/21/2016 L1637972-01 Groundwater µg/l	GW-14 11/15/2016 L1637142-01 Groundwater µg/l	GW-18 11/15/2016 L1637142-02 Groundwater µg/l	GW-25 11/21/2016 L1637972-02 Groundwater µg/l	DUP01-20161121 GW-25 11/21/2016 L1637972-03 Groundwater µg/l	GW-26 11/14/2016 L1636969-01 Groundwater µg/l	GW-28 11/14/2016 L1636969-02 Groundwater µg/l	GW-29 11/14/2016 L1636969-03 Groundwater µg/l	GW-19 11/22/2016 L1638171-01 Groundwater µg/l	GW-33 11/14/2017 L1741853-08 Groundwater µg/l
Pesticides											
Delta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lindane	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin aldehyde	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin ketone	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-Chlordane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-Chlordane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
Bold and shaded value indicates concentration exceeds TOGS AWQS
J = Estimated value
ND = Not detected
NS = No Standard
-- = Not Analyzed
* = NYSDEC TOGS 1.1.1. Ambient Water Quality Standards (AWQS)

TABLE 22

Ambient and Indoor Air Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID	AMBIENT AIR	Indoor Air (IA1)	IA2	IA3	IA4	AA-1
Sample Date	11/8/2016	11/9/2016	11/22/2016	11/22/2016	11/22/2016	11/10/2017
Lab Sample ID	L1636414-01	l1636414-02	L1638210-01	L1638210-02	L1638210-03	L1741525-01
Sample Media	Air	Air	Air	Air	Air	Air
Unit of Measure	µg/m^3	µg/m^3	µg/m3	µg/m^3	µg/m3	µg/m3
Volatile Organics Compounds (VOCs)						
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	3.66	ND	ND	ND	ND
1,1-Dichloroethane	ND	2.66	ND	ND	ND	ND
1,1-Dichloroethene	ND	1.87	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	1.06	1.06	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	0.428	ND	ND	ND	ND
1,2-Dichloroethane	ND	3.15	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND
1,3-Butadiene	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	1.51	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	1.21	19.7	1.34	ND	ND	ND
2-Butanone	1.67	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND
3-Chloropropene	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND
Acetone	5.23	ND	ND	ND	3.56	3.28
Benzene	1.66	ND	5.81	7.16	ND	ND
Benzyl chloride	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	3.47	ND
Bromoform	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.409	7.38	0.453	0.459	0.465	0.453
Chlorobenzene	ND	1.13	ND	ND	ND	ND
Chloroethane	ND	27.1	ND	ND	ND	ND
Chloroform	ND	8.14	1.83	3.87	23.1	ND
Chloromethane	1.02	1.15	1.05	0.985	0.702	0.907
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND

TABLE 22

Ambient and Indoor Air Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID	AMBIENT AIR	Indoor Air (IA1)	IA2	IA3	IA4	AA-1
Sample Date	11/8/2016	11/9/2016	11/22/2016	11/22/2016	11/22/2016	11/10/2017
Lab Sample ID	L1636414-01	l1636414-02	L1638210-01	L1638210-02	L1638210-03	L1741525-01
Sample Media	Air	Air	Air	Air	Air	Air
Unit of Measure	µg/m^3	µg/m^3	µg/m3	µg/m^3	µg/m3	µg/m3
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	5.82	ND	7.23	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	1.38	1.46	2.27	2.52	2	1.72
Ethyl Acetate	ND	ND	ND	NS	ND	ND
Ethyl Alcohol	19.2	ND	490	29.4	ND	ND
Ethylbenzene	ND	1.13	ND	ND	ND	ND
Freon-113	ND	ND	ND	ND	ND	ND
Freon-114	ND	ND	ND	ND	ND	ND
Heptane	ND	ND	0.869	2.23	ND	ND
Hexachlorobutadiene	ND	0.651	ND	ND	ND	ND
iso-Propyl Alcohol	1.91	ND	70.1	10.2	ND	ND
Methyl tert butyl ether	ND	2.37	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND
n-Hexane	1.36	ND	1.32	2.42	ND	ND
o-Xylene	0.93	ND	1.09	1.21	ND	ND
p/m-Xylene	2.7	3.97	3.03	3.08	ND	ND
Styrene	ND	ND	ND	ND	ND	ND
tert-Butyl Alcohol	ND	ND	ND	ND	ND	ND
Tetrachloroethene	0.746	4.15	0.292	0.224	0.285	ND
Tetrahydrofuran	ND	19.4	ND	ND	ND	ND
Toluene	4.15	11.7	7.5	5.8	ND	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	0.532	ND	ND	ND
Trichlorofluoromethane	ND	5.11	1.21	1.56	1.49	1.23
Vinyl bromide	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	0.883	ND	ND	ND	ND

Notes:
ND = Not detected

TABLE 23

Soil Vapor Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID	SV-01	SV-03	SV-04	SV-05	SV-05 DUP	SV-06	SV-07	SV-08	DUP-6/22/17	SV-11	SV-12	SV-13
Sample Date	11/9/2016	11/9/2016	11/9/2016	11/9/2016	11/9/2016	11/9/2016	L1721321-01	L1721321-02	L1721321-03	11/10/2017	11/10/2017	11/10/2017
Lab Sample ID	L1636414-03	L1636414-05	L1636414-06	L1636414-07	L1636414-09	L1636414-08	6/22/2017	6/22/2017	6/22/2017	L1741525-02	L1741525-03	L1741525-04
Sample Media	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit of Measure	µg/m^3	µg/m3	µg/m^3	µg/m3	µg/m^3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
Volatile Organics Compounds (VOCs)												
1,1,1-Trichloroethane	ND	ND	31.8	ND	ND	ND	1.34	33.6	1.37	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	2.54	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	1.04	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	68.8	7.87	12.2	8.95	9.19	1370	18.1	142	17.6	4.22	3.07	3.36
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	52.1	3.75	3.71	2.38	2.5	954	7.08	66.4	6.64	1.18	ND	ND
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND	6.9	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	ND	ND	ND	ND	ND	ND	0.962	16.7	0.868	ND	ND	ND
2,2,4-Trimethylpentane	ND	34.3	ND	ND	ND	ND	1.01	7.47	ND	ND	ND	ND
2-Butanone	86.1	2.61	5.54	3.07	3.16	ND	8.08	58.1	9.02	3.78	2.78	4.36
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Chloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	23.8	1.82	2.97	1.76	1.88	346	2.84	29.5	2.96	1.04	ND	ND
4-Methyl-2-pentanone	ND	ND	2.31	ND	ND	ND	12.9	61.9	12.4	ND	ND	ND
Acetone	2420	11.5	19.8	14.1	14.7	167	75.1	641	82.9	6.75	4.56	4.56
Benzene	84.7	1.24	2.21	1.3	1.22	ND	5.46	24	5.34	0.901	ND	ND
Benzyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	3.46	ND	3.43	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	40.8	2.85	3.27	1.16	1.13	ND	10.8	16.4	10.9	ND	ND	ND
Carbon tetrachloride	ND	ND	16.9	ND	ND	ND	1.65	4.05	1.69	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	14.6	32.5	1.2	1.27	ND	187	3.42	198	14.4	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	3610	3.03	1.66	0.826	ND	816	2.14	14.5	2.23	1.16	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	1.45	2.9	1.45	1.65	ND	2.66	2.27	2.46	1.64	12.8	19.8
Ethyl Acetate	ND	ND	ND	ND	ND	ND	35.4	48.8	36.9	ND	ND	ND
Ethyl Alcohol	4220	ND	12.7	13.8	27.7	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	87.7	1.8	2.75	1.92	2.05	486	5.26	62.5	5.04	1.06	ND	ND
Freon-113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptane	1260	3.14	0.881	ND	ND	4510	3.82	22.6	3.82	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
iso-Propyl Alcohol	54.1	ND	ND	12.1	12.7	ND	5.26	30	6.05	ND	2.27	ND
Methyl tert butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	8.2	ND	ND	ND	ND	8.16	ND	ND	ND	ND
n-Hexane	592	1.79	0.737	ND	ND	687	3	16.5	2.95	ND	ND	ND
o-Xylene	46	3.71	5.13	3.34	3.56	1310	8.95	80.8	8.47	1.64	0.951	0.890
p/m-Xylene	569	8.47	12.5	8.43	9.12	2890	19.6	218	18.5	3.91	2.17	2.03
Styrene	ND	ND	ND	ND	ND	ND	ND	2.29	ND	ND	ND	ND
tert-Butyl Alcohol	ND	ND	ND	2.43	2.58	ND	4.61	5.27	5.31	ND	ND	ND
Tetrachloroethene	ND	ND	173	ND	ND	ND	111	238	104	ND	ND	ND
Tetrahydrofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	99.5	4.86	5.05	3.73	3.75	407	10.6	67.5	9.57	2.05	0.935	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 23

Soil Vapor Analytical Data Summary - VOCs
Remedial Investigation Report
555 West 22nd Street

Sample ID	SV-01	SV-03	SV-04	SV-05	SV-05 DUP	SV-06	SV-07	SV-08	DUP-6/22/17	SV-11	SV-12	SV-13
Sample Date	11/9/2016	11/9/2016	11/9/2016	11/9/2016	11/9/2016	11/9/2016	L1721321-01	L1721321-02	L1721321-03	11/10/2017	11/10/2017	11/10/2017
Lab Sample ID	L1636414-03	L1636414-05	L1636414-06	L1636414-07	L1636414-09	L1636414-08	6/22/2017	6/22/2017	6/22/2017	L1741525-02	L1741525-03	L1741525-04
Sample Media	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air
Unit of Measure	µg/m^3	µg/m3	µg/m^3	µg/m3	µg/m^3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	1.1	2.91	1.52	ND	ND	ND
Trichlorofluoromethane	ND	ND	1.75	1.24	1.25	ND	13.4	7.98	14.3	1.19	1.26	1.26
Vinyl bromide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
ND = Not detected