

**WC-W28TH**

**MANHATTAN, NEW YORK**

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# **Remedial Investigation Report**

**OER Site Designation: E-142**

**NYSDEC Spill Number: 1306369**

**NYC VCP Site Number: TBD**

**Prepared for:**

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# REMEDIAL INVESTIGATION REPORT

## TABLE OF CONTENTS

CERTIFICATION .....	6
EXECUTIVE SUMMARY.....	7
REMEDIAL INVESTIGATION REPORT .....	10
1.0 SITE BACKGROUND .....	10
1.1 Site Location and Current Usage .....	10
1.2 Proposed Redevelopment Plan.....	10
1.3 Description of Surrounding Property .....	11
2.0 SITE HISTORY .....	12
2.1 Past Uses and Ownership.....	12
2.2 Previous Investigations .....	12
2.3 Site Inspection.....	12
2.4 Areas of Concern .....	12
3.0 PROJECT MANAGEMENT .....	14
3.1 Project Organization .....	14
3.2 Health and Safety .....	14
3.3 Materials Management.....	14
4.0 REMEDIAL INVESTIGATION ACTIVITIES .....	15
4.1 Geophysical Investigation.....	15
4.2 Borings and Monitoring Wells.....	15
4.3 Soil Vapor .....	17
4.4 Sample Collection and Chemical Analysis .....	18
5.0 ENVIRONMENTAL EVALUATION .....	23
5.1 Geological and Hydrogeological Conditions .....	23
5.2 Soil Chemistry .....	24
5.3 Groundwater Chemistry .....	27
5.4 Soil Vapor Chemistry.....	29
6.0 CONCLUSIONS.....	29
6.1 Environmental Impacts .....	29
6.1 Prior Activity .....	30
6.2 Impediments to Remedial Action .....	30

# FIGURES

- Figure 1a : Site Location Map
- Figure 1b: Area Tax Map
- Figure 1c: Site Orthophoto
- Figure 2: Proposed Redevelopment Plan
- Figure 3: Sample Location Map
- Figure 4: Groundwater Contour Map
- Figure 5: Groundwater VOC Isopleth Map

# TABLES

## EMBEDED

- List of Acronyms..... Page 5
- Construction Details for Monitoring Wells ..... Page 16
- Relative Elevation Survey Data for Monitoring Wells ..... Page 16
- Water Table elevation Data ..... Page 17
- SVI Probe Construction Details ..... Page 18
- Soil Boring sampling Intervals..... Page 19
- Chemical Analysis Plan..... Page 21
- Stratigraphy Data..... Page 23
- Table 5.1a: Urban Fill “Hit Summary” ..... Page 25
- Table 5.1b: Mid-Level Native Soil Hit Summary ..... Page 27
- Table 5.3a: Groundwater Hit Summary ..... Page 28

## ATTACHED

- Table 2A: VOC Soil Analytical Data
- Table 2B: SVOC Soil Analytical Data
- Table 2C: TAL-Metals Soil Data
- Table 3A: VOC Groundwater Analytical Data
- Table 3B: SVOC Groundwater Analytical Data
- Table 3C: TAL-Metals Groundwater Analytical Data
- Table 4: Soil Vapor Analytical Data Summary

# APPENDICES

APPENDIX A	Phase 1 Report
APPENDIX B	Soil Boring Geologic Logs
APPENDIX C	SVI Sampling Logs
APPENDIX D	Laboratory Data Tables
APPENDIX F	Laboratory Data Deliverables for Soil Analytical Data
APPENDIX G	Laboratory Data Deliverables for Groundwater Analytical Data
APPENDIX H	Laboratory Data Deliverables for Soil Vapor Analytical Data

# LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

# CERTIFICATION

I, Kevin P. McGrath, PC, CPG, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the WC-W28th Property located at 530 W 28<sup>th</sup> Street, Manhattan, NY. VCP Site No. TBD.

I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

KEVIN P. MCGRATH, PG, CPG    01/09/2014

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Qualified Environmental Professional

Date

Signature

# EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

## Site Location and Current Usage

The Site is located at 525-531 West 27th Street & 526-532 West 28th Street, Manhattan in the Highline/West Chelsea District in Manhattan, New York and is identified as Block 699 and Lot 49 on the New York City Tax Map. A Site Location Map is included as **Figure 1a**. A copy of the Area Tax Map is included as **Figure 1b**.

The Site is 20,000-square feet and is bounded by: West 28<sup>th</sup> Street to the north; West 27<sup>th</sup> Street to the south; a vacant lot to the east; and, a two-story former night club to the west. An ortho-photograph with the site boundary appended is included as **Figure 1c**.

The Site consists of a single-story slab on grade commercial warehouse building abutting a four-story building with partial basement. The Site was most recently used as a Cabaret/Night Club but has been unoccupied for the several years.

## Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of high-rise town home/condominium style residential use building with floor level and sub-grade commercial uses. Layout of the proposed site development is presented in **Figure 2**. The current zoning designation is C6-3 (see Zoning Map, Section 8b). The proposed use is consistent with existing zoning for the property.

The existing on-site structures will be demolished and replaced with new structures specifically designed and constructed for the intended use. It is anticipated that the first floor and sub-grade levels will be used for commercial storefronts and an underground parking facility for the residents. The upper levels (second floor and higher) will be residential.

Subsurface spaces will consist of cellar and subcellar floors devoted to residential amenity spaces, parking, storage and mechanical systems, as well as retail spaces used in conjunction with ground floor retail spaces. Grade level uses will include retail spaces, lobbies, garden spaces, access drive and ancillary spaces such as storage, egress stairs and corridors .

There will be one building covering the entire lot. However the development above the level of the second floor will be divided into two towers, one fronting on 28<sup>th</sup> Street, and one fronting on 27<sup>th</sup> Street.

Each will be a total of 10 stories above the one story base, and be 135 feet tall. Total gross square feet including cellars will be approximately 135,000 sf. The 27<sup>th</sup> Street tower will have a footprint of 52 feet x 46 feet before setbacks and accommodate one apartment per floor, for a total of 10 apartments maximum. The 28<sup>th</sup> Street tower have a footprint of 75 feet x 100 feet, and accommodate three or four apartment per floor for a total of 40 to 50 apartments for the entire development.

The new building(s) will cover the entire footprint of the property. No open space or landscaped areas are planned.

### **Summary of Past Uses of Site and Areas of Concern**

The Site was originally built in 1916 and occupied by E.R. Merrill Spring Company, a manufacturer of automobile springs/parts and parts for Sherman Tanks. Historical site uses included a truck terminal garage, warehouse and foundry. After E.R. Merrill-Spring Co. and various subsequent subsidiaries (1980), the Site was occupied as a warehouse for storage and construction of theatrical props and scenery and was reportedly used as a studio for filming. From 1998 to 2002 the building was used as a warehouse for a packaging supply company. In 2002, the Site was renovated into its current configuration and used as a night club/Cabarets.

The results of the RI were consistent with expectations, with modest impacts to soils and groundwater that will need to be properly managed during the construction/redevelopment of the Property however no targeted areas of concern for Interim Remedial Measures were identified.

### **Summary of the Work Performed under the Remedial Investigation**

On behalf of WC-W28<sup>th</sup> Realty, Chazen has performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Prepared a work plan for submission to OER and secured OER approval prior to commencing intrusive work;
3. Performed a utility mark-out prior to intrusive work as required by NYS rules and regulations;
4. Installed nine soil borings across the entire project Site, and collected 22 soil samples for chemical analysis from the soil borings to evaluate soil quality;
5. Installed four groundwater monitoring wells throughout the Site to establish groundwater flow and collected four screening-level groundwater samples for chemical analysis to evaluate groundwater quality;

6. Installed six soil vapor probes around Site perimeter and collected four sub-slab, one indoor, and one ambient air samples for chemical analysis.

### **Summary of Environmental Findings**

There is no evidence of a significant release, spill, or disposal of regulated or hazardous materials at this Site. Soil impacts with PAHs and TAL metals at concentrations exceeding applicable clean-up standards are confined to the upper urban fill horizon. Groundwater impacts consist primarily of chlorinated compounds that appear to be migrating onto the Site.

Under the current Site conditions (building in-place) no remedial action is warranted. Removal of impacted urban fill materials and recovery and treatment of impacted groundwater during the demolition/excavation/construction process is recommended.

1. Elevation of the property ranges from 11 to 14 feet Above Mean Sea Level.
2. Depth to groundwater ranges from 9.5 to 11.5 feet below grade at the Site.
3. Groundwater flow is generally from east-northeast to west-southwest beneath the Site.
4. Depth to bedrock is approximately 21-24 feet below ground surface at the Site.
5. The stratigraphy of the site, from the surface down, consists of approximately 6.5 feet of urban fill underlain by 15-17 feet of fine sand, silt, and gravel, on top of Manhattan Schist.
6. Soil/fill samples collected during the RI showed pervasive impacts with PAHs and TAL-Metals in the urban fill unit with minimal and isolated impacts in the underlying native soil.
7. Groundwater samples collected during the RI showed a relatively low concentration chlorinated solvent plume extending from the NE corner of the site toward the west-southwest boundary.
8. Soil vapor samples collected during the RI showed no vapor intrusion issues were identified.

# REMEDIAL INVESTIGATION REPORT

## 1.0 SITE BACKGROUND

WC-W28<sup>th</sup> Realty, LLC. has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.5-acre site located at 526-530 West 28<sup>th</sup> Street in the West Chelsea District of Manhattan, New York. Mixed commercial residential use is proposed for the property. The RIR was performed in general accordance with the NYC OER approved Work Plan prepared by the Chazen Companies, Inc. (Chazen) and submitted to OER in August 2013.

The RI work was performed between September 9, 2013 and September 17, 2013. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

### 1.1 Site Location and Current Usage

The Site is located at 525-531 West 27<sup>th</sup> Street & 526-532 West 28<sup>th</sup> Street, Manhattan in the Highline/West Chelsea District in Manhattan, New York and is identified as Block 699 and Lot 49 on the New York City Tax Map. A Site Location Map is included as **Figure 1a**.

The Site is 20,000-square feet and is bounded by: West 28<sup>th</sup> Street to the north; West 27<sup>th</sup> Street to the south; a vacant lot to the east; and, a two-story former night club to the west. An ortho-photograph with the site boundary is included as **Figure 1b**.

The Site consists of a single-story slab on grade commercial warehouse building abutting a four-story building with partial basement. The Site was most recently used as a Cabaret/Night Club but has been unoccupied for the several years.

### 1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of high-rise town home/condominium style residential use building with floor level and sub-grade commercial uses. Layout of the proposed site development is presented in **Figure 2**. The current zoning designation is C6-3 (see Zoning Map, Section 8b). The proposed use is consistent with existing zoning for the property.

The existing on-site structures will be demolished and replaced with new structures specifically designed and constructed for the intended use. It is anticipated that the first floor and sub-grade levels will be used for commercial storefronts and an underground parking facility for the residents. The upper levels (second floor and higher) will be residential.

Subsurface spaces will consist of cellar and subcellar floors devoted to residential amenity spaces, parking, storage and mechanical systems, as well as retail spaces used in conjunction with ground floor retail spaces. Grade level uses will include retail spaces, lobbies, garden spaces, access drive and ancillary spaces such as storage, egress stairs and corridors .

There will be one building covering the entire lot. However the development above the level of the second floor will be divided into two towers, one fronting on 28<sup>th</sup> Street, and one fronting on 27<sup>th</sup> Street. Each will be a total of 10 stories above the one story base, and be 135 feet tall. Total gross square feet including cellars will be approximately 135,000 sf. The 27<sup>th</sup> Street tower will have a footprint of 52 feet x 46 feet before setbacks and accommodate one apartment per floor, for a total of 10 apartments maximum. The 28<sup>th</sup> Street tower will have a footprint of 75 feet x 100 feet, and accommodate three or four apartment per floor for a total of 40 to 50 apartments for the entire development.

The new building(s) will cover the entire footprint of the property. No open space or landscaped areas are planned.

The entire Site will be excavated to not less than sixteen feet below existing grade with deeper excavations to twenty-one feet below grade around the perimeter for the footings. Alternately, if feasible, the site may be excavated to bedrock (22-23 feet). An estimated range of 12,000 to 17,000 cubic yards of materials (estimated at 18,000-26,000 tons) will be removed from the site. The subgrade excavation and development is necessary to provide the off-street parking, utilities, and amenities for the residents of the building.

The water table is at approximately eleven feet below existing grade. In order to complete the construction it will be necessary to dewater the excavation and maintain water table depression until sufficient structural elements are in place. Initial dewatering will require the removal of approximately 800,000 gallons of groundwater. Up to an additional 75,000 gallons per day will be removed during construction. Excavation water may need to be collected and treated prior to discharge.

### **1.3 Description of Surrounding Property**

The Site is located in the historical West Chelsea manufacturing district. The surrounding properties consist of a mixture of residential, commercial, offices, and light industrial uses. There are no sensitive receptors located within 500 feet of the Site.

## **2.0 SITE HISTORY**

### **2.1 Past Uses and Ownership**

The Site was originally built in 1916 and occupied by E.R. Merrill Spring Company, a manufacturer of automobile springs/parts and parts for Sherman Tanks. Historical site uses included a truck terminal garage, warehouse and foundry. After E.R. Merrill-Spring Co. and various subsequent subsidiaries (1980), the Site was occupied as a warehouse for storage and construction of theatrical props and scenery and was reportedly used as a studio for filming. From 1998 to 2002 the building was used as a warehouse for a packaging supply company. In 2002, the Site was renovated into its current configuration and used as a night club/Cabarets.

A detailed record of previous ownership is included in the Phase I report for the property completed by Chazen in 2013 and attached as **Appendix A**.

### **2.2 Previous Investigations**

No known previous characterization or site investigation reports for the property were discovered during the Phase I completed by Chazen in 2013. Previous ASTM Phase I Environmental Site Assessments completed in 1997 and 2010 did not identify any other environmental investigations/assessments of the Site.

### **2.3 Site Inspection**

A visual inspection of the property was completed on March 22, 2013 by Mr. Kevin P. McGrath, PG, CPG, QEP of the Chazen Companies. No recognized environmental conditions or evidence of impacts to the Site were observed.

One data gap was identified in the Chazen Phase I. A former AST in the sub-level of the building that had been used for storage of fuel oil for the furnaces could not be visually inspected. The location of the tank is completely enclosed inside a cinderblock curtain wall extending from floor to ceiling. The building was converted to natural gas in 1998 and this AST was reportedly removed but this could not be confirmed.

### **2.4 Areas of Concern**

No specific Areas of Concern were identified during the Phase 1 ESA or site visit to focus the RI on specific potential concerns. As a matter of general perspective, sub-slab soils were considered likely to exhibit anthropogenic impacts typical of urban fill sites including elevated concentrations of metals and polyaromatic hydrocarbons. There are a number of open petroleum spill sites in the neighborhood and the area has had a long history of industrial uses. Consequently, it was considered likely that groundwater

would also be impacted with volatile organic compound (VOCs). Consequently, in consultation and with the approval of OER, a generic RI was performed to provide sufficient data points and distribution to characterize the site.

The results of the RI were consistent with expectations, with modest impacts to soils and groundwater that will need to be properly managed during the construction/redevelopment of the Property however no targeted areas of concern for Interim Remedial Measures were identified.

## **3.0 PROJECT MANAGEMENT**

### **3.1 Project Organization**

This project was advanced and managed by The Chazen Companies. The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Mr. Kevin P. McGrath, PG, CPG, QEP.

Mr. McGrath has 24 years of experience in environmental investigation and remediation in both planning and implementation, completed at Chazen and elsewhere. He has managed remedial investigations for fifteen Class 2 Inactive Hazardous Waste Sites for the New York State Department of Environmental Conservation under the Super Fund Standby Program and numerous Brownfields and Voluntary Clean-up Programs project sites.

### **3.2 Health and Safety**

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

### **3.3 Materials Management**

All material encountered during the RI was managed in accordance with applicable laws and regulations.

Investigation derived waste was containerized in labeled 55-gallon drums and staged on-site pending removal and appropriate off-site disposal during the demolition phase of the work.

## **4.0 REMEDIAL INVESTIGATION ACTIVITIES**

On behalf of WC-W28<sup>th</sup> Realty, Chazen has performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Prepared a work plan for submission to OER and secured OER approval prior to commencing intrusive work;
3. Performed a utility mark-out prior to intrusive work as required by NYS rules and regulations;
4. Installed nine soil borings across the entire project Site, and collected 22 soil samples for chemical analysis from the soil borings to evaluate soil quality;
5. Installed four groundwater monitoring wells throughout the Site to establish groundwater flow and collected four screening-level groundwater samples for chemical analysis to evaluate groundwater quality;
6. Installed six soil vapor probes around Site perimeter and collected four sub-slab, one indoor, and one ambient air samples for chemical analysis.

### **4.1 Geophysical Investigation**

A geophysical investigation of the site was not completed. Available building information and historical research made it unlikely that sub-slab infrastructure (tanks, vaults, dry-wells, etc) other than utilities was located beneath the floor of the building. Additionally, the floors were suspected to be heavily reinforced concrete slabs that would prevent geophysical remote sensing.

### **4.2 Borings and Monitoring Wells**

#### **Drilling and Soil Logging**

A total of nine soil borings were completed to the pre-planned and approved depths. Several borings had to be relocated from their intended locations due to the presence of undocumented sub-slab (utilities). A ten-inch diameter diamond tip core drill was used to penetrate the floor slabs which consisted of steel reinforced concrete varying in thickness from 6 inches to 19 inches.

Soil borings were advanced through the floor slab of the building with a skid-mounted drilling rig using 4.25-inch inner diameter hollow-stem augers. Continuous 2-foot split spoon core samplers were advanced in front of the augers. The cores were retrieved in 2-foot increments from immediately below the slab to final depth. All borings were advanced the required minimum depth of 16 feet below the floor

slab. Seven of the borings were advanced to refusal on bedrock at 21-24 feet below the top of the floor slab to collect additional geotechnical information needed for the new building design plans. SB-8 was terminated at 17 feet due to obstructing fill (an apparent vitrified clay pipe). SB-9 was terminated at 6 feet below the slab of the basement (approximately 16 feet below the first floor level).

During the drilling process, evidence of a potential petroleum spill was observed in SB-4 and SB-8. The soils at the water table at these locations appeared to be grey-stained, exhibited a petroleum-like odor, and exhibited elevated PID measurements greater than 100 ppm. Consequently, a Spill was reported to NYSDEC and Spill number 1306369 assigned to the Site.

The cores were visually inspected for olfactory and/or visual evidence of impacts and screened with a photoionization detector. Boring logs were prepared by a Chazen’s on-site Geologist, Mr. Eric Orłowski, and are attached in **Appendix B**. A map showing the location of soil borings and monitor wells is shown in **Figure 3**.

### **Groundwater Monitoring Well Construction**

Four groundwater monitoring wells were planned and included in the approved plans. A fifth well was added during the investigation due to observations in the field of potential groundwater impacts. Five borings (B-1, B-3, B-7, B-8, and B-9) were thus converted to groundwater monitoring wells. Wells were completed by constructing a 1-inch diameter PVC well inside the open augers as they were withdrawn. A ten foot length of 0.01-inch slotted schedule 20 PVC with sufficient riser to extend to grade was positioned in each borehole to straddle the water table.

A sand filter pack consisting of #0 silica sand was gravity placed in the annular space to two feet above the screen. A two-foot thick bentonite seal was then placed on top of the filter pack and hydrated. The remainder of the annular space filled with cuttings to the base of the floor slab. The wells were finished at grade with flush mounted manholes grouted into the floor slab except for MW-4. MW-4, located in the sub-level, was a completed with a stick-up due to the shallow depth of water (less than 2 feet) beneath the basement floor

The table below summarizes the key construction features for the monitoring wells.

<b>Well ID</b>	<b>Total Depth (ft)</b>	<b>Screen Interval (bgs)</b>	<b>Filter Pack Interval (bgs)</b>	<b>Bentonite Seal (bgs)</b>	<b>Finish Type</b>
MW-1	18	8-18	6-20.7	4-6	Flush
MW-2	23	8-23	5-24.8	3-5	Flush
MW-3	21.6	6.5-21.5	4.5-21.6	2.5-4.5	Flush
MW-4	6	1-6	0.5-6	0-0.5	14" Stickup
MW-5	17	7-17	5-17	3-5	Flush

Monitor well locations are shown in Figure 3.

## Survey

The locations of all sampling points (except MW-4, SV-5 and SV-6) were surveyed in the field on Thursday September 28, 2013 by triangulating the distances to the points from fixed features. The relative elevations of the grade and the water table measuring point at the top of the PVC casing for each of the wells were measured with differential level to an arbitrary site datum of 13 feet.

Well ID	Top of Floor Slab		Top of PVC	
	Rod	Elevation	Rod	Elevation
MW-1	5.12	13.39	5.51	13.00
MW-2	5.13	13.38	5.49	13.02
MW-3	5.15	13.36	5.53	12.98
MW-5	5.12	13.39	5.51	13.00

A level run for MW-4, SV-5, and SV-6 could not be completed. The sewer connections for the building were cut and capped on September 15 and so the groundwater dewatering sumps could not be operated. Heavy rains on Tuesday September 26 and Wednesday September 27 caused the basement to flood to depth of 10 inches and these points were inaccessible at the time of the survey.

## Water Level Measurement

The depth to groundwater was measured on Thursday September 19, 2013 for each of the newly installed wells from the surveyed measuring point using an electronic water level probe except for MW-4 (due to the basement level flooding).

The relative elevations of the water table are included on the table below. The relative water table elevation for MW-4 is estimated based on the assumed datum and depth of the subgrade level but was not used for contouring. Water level data is included in the table below. A relative contour map of the water table and groundwater flow beneath the site is included as **Figure 4**.

Well ID	Depth To Water	WT Elev
MW-1	9.93	3.07
MW-2	10.32	2.70
MW-3	9.93	3.05
MW-4	~+2 inches	~-3.15
MW-5	10.08	2.92

## 4.3 Soil Vapor

Six sub-slab collection points were to be installed adjacent to the pre-set soil boring/well locations to facilitate collection and analysis of soil-vapors. SV-6 was relocated during the RI to the inside wall of the

sub-grade. The raised floor in the lounge level at the location where SV-6 was to be installed was impenetrable to the SVI installation tools.

A 1.5 inch rotary hammer drill was used to penetrate the slab and a one-inch solid blind probe advanced to approximately two feet above the water table using a slide hammer or the drill rig hammer. The probe was withdrawn and a length of perforated steel tubing installed to depth. The annular was filled with sand to not less than 6 inches above the top of the screen. The floor opening was resealed around the steel tube with a hydrated bentonite gel at the surface.

Construction details for the SVI collection points are included in the table below.

Well ID	Total Depth	Screen Interval	Sand Pack Interval	Bentonite Seal	Install Date
SV-1	8	3-8	1-8	0-1	9/9/2013
SV-2	8	3-8	1-8	0-1	9/10/2013
SV-3	8	3-8	1-8	0-1	9/16/2013
SV-4	7.4	2.4-7.4	1-7.4	0-1	9/13/2013
SV-5	2*	1-2	.5-2	0-0.5	9/6/2013
SV-6	2*	1-2	.5-2	0-0.5	9/5/2013

At the time of installation, the water table in SV-5 and SV-6 was approximately 2 feet below the sub-slab of the basement level. On the day of the sampling, the soil vapor probes were inundated and the water table was above the elevation of the floor of the basement level.

#### 4.4 Sample Collection and Chemical Analysis

Soil, Groundwater, and Soil Vapor sampling was performed during the RI in general accordance with the OER approved sampling and analysis plan for the Site. Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

#### Soil Sampling

A total of 22 soil samples were collected from nine soil borings and submitted for chemical analysis during this RI. The sample from SB-5 was not analyzed due to insufficient recovery. The soil samples were collected directly from the split spoon samplers immediately after inspection and screening

of the soil cores. The samples were collected with new clean dedicated disposable sampling trowels and placed directly into laboratory supplied bottle ware effectively eliminating the potential for cross-contamination.

The sample jars were placed in an ice filled cooler and shipped by common carrier for overnight delivery to the lab under standard chain-of-custody procedures. Samples were submitted to for analysis.

Sample intervals for each boring are included in the table below.

Boring ID	Sample Intervals			Install Date
	Shallow	Mid	Base	
B-1	0-2	8-10	14-16	9/9/2013
B-2	2-4		14-16	9/12/2013
B-3	0-2	10-12	14-16	9/11/2013
B-4	1-2	10-12	14-16	9/18/2013
B-5	0-2			9/5/2013
B-6	1-2		14-16	9/17/2013
B-7	0.8-2.8	10-12	14-16	9/16/2013
B-8	2-4	10-12	14-16	9/16/2013
B-9	2-4	4.5-6		9/9/2013
<b>Shallow collected from 1<sup>st</sup> interval below sub-slab</b> <b>Mid based on observed contact of fill/native soils</b> <b>Base from depth of planned excavations</b>				

Soil samples were submitted York Analytical Laboratories, Stratford, CT, an ELAP certified environmental laboratory (NY 10854) for analysis of Volatile Organic Compounds by EPA SW-846 Method 8260; Semi-volatile organic compounds by EPA SW-846 Method 8270; and; the Target Analyte List of Metals (plus Cyanide) by EPA SW-846 Method 6010 and 7471. The laboratory analytical results were reviewed and compared to the Unrestricted Use Soil Clean-up Objectives (UU-SCO) of 6 NYCRR Part 375-6.8(a) and the Restricted Residential Use SCO (RR-SCO) of 6 NYCRR Part 375-6.8(b).

Because all sampled soils are scheduled for excavation and off-site disposal, trip blank QC samples were collected but no additional quality control samples (Field Dupes, Blind Dupes, Equipment Blanks, and MS/MSD samples) were collected.

The Site redevelopment plan include excavation and off-site disposal of all on-site soils to a minimum of 14 feet below grade and a maximum of the top of bedrock at 24 feet with and dewatering during construction. Consequently, any additional QA/QC sampling to confirm the quality of data used to support limiting the site remediation would have been moot.

Waste characterization profile sampling and end-point sampling for the base and sidewalls of the planned excavations will be included in the RAWP and complete QC sampling will be used to validate the post-excavation results for end-point sampling to assess residual impacts, if any.

## **Groundwater Sampling**

An initial round of screening level groundwater samples was collected from each of the five newly installed monitoring wells immediately after installation. To eliminate the need for purging the wells or decontamination between wells, a peristaltic pump fitted with new clean dedicated 0.5 inch diameter downhole tubing was used for low-flow sampling at each well. Samples were collected for Metals, SVOCs, and VOCs in that order. Metals and SVOCs were pumped directly into the laboratory supplied sampling containers. VOC samples were titrated from the bottom-up directly from the down hole tubing.

A second round of sampling with full water quality parameters and QA/QC samples was planned if necessary based on the screening level analytical results but was not considered necessary based on the first round of sample results (See Section 5.3).

Five groundwater samples were collected for chemical analysis during this RI. Groundwater samples were submitted to York Analytical Laboratories in Stratford, CT, an ELAP certified environmental laboratory (NY 10854), for analysis of Volatile Organic Compounds by EPA SW-846 Method 8260; Semi-volatile organic compounds by EPA SW-846 Method 8270; and; both total and dissolved Target Analyte List (TAL) of Metals (plus Cyanide) by EPA SW-846 Method 6010 and 7471.

The laboratory analytical results were reviewed and compared to the Class GA effluent discharge to groundwater standards in 6 NYCRR Part 703.6.

## **Soil Vapor Sampling**

Six sub-slab soil vapor probes were installed, four in the first floor area and two in the sub-grade level of the building. Four sub-slab soil vapor, one indoor air, and one outdoor ambient air samples were collected for chemical analysis during this RI. The two vapor points installed in the sub-grade level of the building could not be sampled due to inundation.

Soil vapor samples were collected over an 8-hour period from 9 pm Wednesday September 17 and 5 am September 18, 2013 with laboratory supplied certified-clean 6-liter Summa canisters fitted with laboratory calibrated flow regulators pre-set for an 8-hour collection period. The canisters were then placed and connected to the sampling probe points. A helium tracer test was performed at each sub-slab collection point prior to confirm probe isolation from the indoor air before testing.

Soil vapor sampling logs are included in **Appendix C**. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

## Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Kevin P. McGrath, PG, CPG, QEP.
Chemical Analytical Laboratory	ELAP certified analytical laboratories used in the RI: Soil/Groundwater: York Laboratories, Stratford, CT; NY 10854 Air: ALS Group, Rochester, NY NY 10145:
Chemical Analytical Methods	Soil analytical methods: <ul style="list-style-type: none"><li>• TAL Metals by EPA Method 6010C (rev. 2007);</li><li>• VOCs by EPA Method 8260C (rev. 2006);</li><li>• SVOCs by EPA Method 8270D (rev. 2007);</li></ul> Groundwater analytical methods: <ul style="list-style-type: none"><li>• TAL Metals by EPA Method 6010C (rev. 2007);</li><li>• VOCs by EPA Method 8260C (rev. 2006);</li><li>• SVOCs by EPA Method 8270D (rev. 2007);</li></ul> Soil vapor analytical methods: <ul style="list-style-type: none"><li>• VOCs by TO-15 VOC parameters.</li></ul>

## Results of Chemical Analyses

The laboratory analytical results for soil, groundwater and soil vapor are discussed in section 5 and presented in “Hit Summary” Tables, included in section 5.1 (soil), 5.2 (groundwater), and 5.3 (air). Laboratory Analytical Reports for all samples are included in **Appendix D**.

Soil sampling indicates that the urban fill beneath the floor to a depth of approximately 6.5 feet is impacted with typical polyaromatic hydrocarbons and regulated metals commonly associated with coal-ash laden urban fill. The underlying native soils, to a depth of 16 feet below

grade, meet the unrestricted use criteria of 6 NYCRR Part 360-6.8 (a) for all sample locations except SB-3 where slightly elevated lead and mercury were reported.

The groundwater beneath the site exhibits elevated concentrations of chlorinated solvents and MTBE that exceed the effluent discharge limits to class GA groundwater in 6 NYCRR Part 703. An off-site source is suggested since the most-highly impacted sample is collected from the upgradient location.

No soil vapor intrusion potential was identified. Soil vapor reportedly contained several compounds of concern but the concentrations were below NYSDOH action thresholds.

## **5.0 ENVIRONMENTAL EVALUATION**

### **5.1 Geological and Hydrogeological Conditions**

A review of the Surficial Geologic Map of New York (Lower Hudson Sheet, 1989) indicates that surficial soils in the area of the Site are mapped as till. The United States Department of Agriculture (USDA) Soil Conservation Service's Soil Survey of New York County, New York maps soils on the Site as being composed of Urban land. Urban land is described as soil that has been altered by cutting and filling and is covered by impervious surfaces and buildings.

Bedrock in the area of the Site is greater than 10 inches below grade according to the above-referenced Soil Survey and Surficial Geologic Map and is mapped on the Geologic Map of New York (Lower Hudson Sheet, 1970) as Middle Ordovician-aged rocks of the Manhattan Formation, undivided consisting of peltic schists and amphibolite.

No surface water bodies were noted on the Site. The nearest off-site water body is the Hudson River located approximately 1,400 feet west of the Site. This water body flows in a southerly direction and is subject to significant tidal influence.

Groundwater flow is best determined using site-specific well data and may be affected by surface topography, hydrology, hydrogeology, inground utilities, and characteristics of the soil and nearby wells. The general groundwater flow direction is expected to be west-southwest toward the Hudson River.

#### **Stratigraphy**

The site consists of a fairly uniform stratigraphic sequence of 20-24 feet of unconsolidated soils overlaying the bedrock, which includes an urban-fill horizon. The concrete slab of the building is 6 inches to 19 inches thick. Beneath the slab, fill extends 6-6.5 feet consisting primarily of brick and coal ash (as high as 20%) in a fine sand matrix.

Native soils below the urban fill horizon consist of a medium to fine sand with little to trace silt, and little fine gravel extending to the bedrock at approximately 22 feet below grade. There is a layer of weathered bedrock 0.5 to 2.4 feet thick beneath the overburden but it was not encountered in two of the borings advanced to the top of bedrock.

Sound bedrock underlies the overburden. The local bedrock, Schist, is part of the Manhattan Formation according to the Geologic Map of New York (Lower Hudson Sheet, 1995) and based on recovered core samples collected during the recently completed Geotechnical Investigation of the Site. Six of the nine explorations terminated on or within bedrock.

A summary of the units encountered in each boring is included in the table below.

Boring ID	Stratigraphic Unit				
	Floor Thickness (in)	Depth of Fill (ft)	Depth of S&G (ft)	Thickness Weathered Rock (ft)	Top of Bedrock (ft bgs)
B-1	6	6.5	20.7	ne	20.7
B-2	19	6.5	22	2.40	24
B-3	6	6.5	22.5	1.50	24
B-4	8	6.5	21	1.40	22.4
B-5	12	6	24	ne	24
B-6	12	6.5	21	2.00	23
B-7	18	8.5	21.5	0.50	22
B-8	12	10.5	>17	NA	NA
B-9	6	ne	>2	NA	NA

**ne = Unit not encountered**  
**NA = Not Applicable, boring terminated before expected depth**  
**># = Boring terminated before base of unit encountered**  
**Depth Measurements in feet below top of floor slab**

## Hydrogeology

The average measured depth to groundwater during this investigation time period was 10.08 feet below the existing floor with the range in depth between 9.93 to 10.32 feet. Groundwater levels rose modestly after heavy rains fell during the work period, entering the basement elevation since sumps had been deactivated. Based on an assumed elevation of 13 feet AMSL for the floor slab (based on interpretation of USGS topographic mapping in the area) the water table elevation is between 2.5 and 3.5 feet above mean sea level.

A groundwater contour map for the Site with inferred flow lines is shown in Figure 4. The groundwater beneath the site generally flows from east to west with a slight pitch to the southwest under a local gradient of approximately 0.004 feet per foot as measured from MW-3 to MW-5.

On-site soils appear moderately permeable based on visual observation, with a likely hydraulic conductivity ranging from approximately  $10^{-4}$  to  $10^{-5}$  cm/sec and a porosity of approximately 30%. The groundwater flow velocity is therefore expected to be very slow at a rate of approximately  $(0.004 \times 10^{-4} \text{ cm/sec})/0.3 = 1.33 \times 10^{-6}$  cm/sec or 0.004 feet per day.

## 5.2 Soil Chemistry

The laboratory analytical hit summary tables below present the results for the shallow soils (Table 5.2a), native soils in contact with the fill (5.2b), and the soils at the base borings at the planned construction excavation for the new on-site building(s). Complete data tables are included in Appendix D.

### URBAN FILL

No substantial concentrations of VOCs were reported in the shallow soil results (0-2 ft interval) for the urban fill materials. These materials extend from immediately below the floor surface to approximately 6.5 feet below grade.

A “hit summary” table of the analytical results is included as Table 5.1a below. The results for any compound detected in one or more samples at a concentration that exceeds the Track 1 SCO is included for all sampling points. All other reported analytes were non-detect at the laboratory reporting limits. Samples from SB-8 and SB-4, exhibiting olfactory indicators, did not return sample results indicating that a petroleum release had impacted these locations.

**TABLE 5.1a Shallow Urban Fill Soil Sample Results**

Analyte	6 NYCRR 375-6.8 Soil Cleanup Objective (SCO)		Sample ID (Location and depth)								
	TRACK 1 6.8 (a) Unrestricted (mg/kg)	TRACK 2 6.8 (b) Restricted Residential (mg/kg)	SB-1	SB-2	SB-3	SB-4	SB-6	SB-7	SB-8	SB-9	
			(0-2)	(2-4)	(0-2)	(1-2)	(1-2)	(0.8-2.8)	(2-4)	(2-4)	
VOCs	Acetone	0.05	100	0.025	0.045	<b>0.083</b>	<b>0.084</b>	0.0035	0.037	<b>0.064B</b>	0.031
	Naphthalene	12	100	ND	0.0039J	ND	ND	0.052	ND	ND	ND
SVOCs	Benzo(a)anthracene	1	1	1.23	4.97	5.50 J	ND	3.41 J	0.540J	ND	ND
	Benzo(a)pyrene	1	1	1.28	1.88	3.02 J	ND	4.59 J	0.611J	ND	ND
	Benzo(b)fluoranthene	1	1	1.64	2.56	2.88 J	ND	3.65 J	0.476J	ND	ND
	Benzo(k)fluoranthene	0.8	3.9	<b>0.914J</b>	<b>2.12</b>	<b>3.12 J</b>	ND	4.52 J	0.540J	ND	ND
	Chrysene	1	3.9	<b>1.20</b>	5.52	4.55 J	ND	4.32 J	0.731J	ND	ND
	Indeno(1,2,3-cd)pyrene	0.5	0.5	0.611J	0.504 J	ND	ND	ND	ND	ND	ND
TAL-Metals	Arsenic	13	16	4.54	<b>14.7</b>	4.73	5.38	3.31	<b>384</b>	2.24	2.52
	Barium	350	400	878	<b>957</b>	102	85.5	47.6	112	115	31.3
	Cadmium	2.5	4.3	6.02	ND	ND	ND	ND	0.484	0.766	ND
	Chromium	30	180	26.9	13.4	18.1	<b>39.0</b>	8.25	14.7	<b>65.8</b>	10.2
	Copper	50	270	<b>216</b>	<b>162</b>	41.5	<b>414</b>	20.2	<b>440</b>	<b>224</b>	11.5
	Lead	63	400	<b>7,810</b>	<b>13,400</b>	<b>145</b>	<b>159</b>	<b>83.5</b>	752	<b>807</b>	12.0
	Nickel	30	310	24.3	26.3	18.7	26.7	16.3	24.8	<b>42.5</b>	15.0
	Zinc	109	10,000	<b>687</b>	<b>900</b>	<b>132</b>	84.4	34.5	<b>396</b>	<b>1,900</b>	33.7
	Mercury	0.18	0.81	<b>10.1</b>	<b>6.01</b>	<b>0.706</b>	<b>0.278</b>	<b>0.626</b>	1.17	<b>0.586</b>	0.0109

The shallow sample collected from SB-5 was not analyzed due to insufficient recovery.

NOTES:

- 1) ND = Not Detected at the laboratory minimum detection limit.
- 2) B = This compound was detected in the associated method blank as well as the sample and this result may therefore represent a laboratory artifact.

- 3) J = This compound was detected above the minimum detection limit but below the reporting limit; therefore, this concentration is an estimation.
- 4) Results posted in ***BOLD ITALIC*** represent concentrations that exceed the relevant NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective (SCO) for that compound.
- 5) Results shaded yellow represent concentrations that exceed the relevant NYSDEC Part 375 Restricted Use-Restricted Residential SCO for that compound.
- 6) Results shaded orange represent concentrations that exceed the relevant NYSDEC Part 375 Restricted Use-Commercial SCO for that compound.
- 7) Results shaded red represent concentrations that exceed the relevant NYSDEC Part 375 restricted Use-Industrial SCO for that compound.

Acetone was reported at a concentration that exceeds the Soil Clean-up Objectives (SCOs) 6 NYCRR Part 360-6.8(a) [Track 1] of 0.5 mg/kg at 0.83, 0.84, and 0.64 mg/kg in samples SB-3, SB-4, and SB-8 respectively. These concentrations are well below the SCOs for Restricted Residential Use in 6 NYCRR part 360-6.8(b) [Track 2] standard of 100 mg/kg. No other VOCs were detected.

Several SVOCs consisting of polyaromatic hydrocarbons (PAHs) were reported in one or more shallow urban fill at concentrations exceeding Track 1. The detected compounds are consistent with the high coal-ash content observed in the soils. One compound, benzo(a)pyrene was reported in four samples at a concentration that exceeds the Restricted Industrial Use SCO of 360-6.8(b) Track 5.

## **NATIVE SOILS**

Native soils beneath the urban fill were sampled from the mid-level interval from 8-12 feet below grade at six locations (2-4 feet in SB-09 in the basement) and from 14-16 feet below the base of the planned excavation at eight locations. The purpose of the mid-level sampling was to determine if the native soils in contact with urban fill had been impacted. The deeper samples at 14-16 feet below grade at the base of the borings were to evaluate the assumed end-point conditions for the planned excavation of the site during construction/redevelopment.

### **Mid-Level Native Soil Results**

Acetone was reported at concentrations that exceed Track 1 SCOs (0.5 mg/kg) in two samples, SB-3 and SB-8, at 0.13 mg/kg and 0.4 mg/kg respectively.

No SVOCs were reported in the samples collected from the 8-12 foot interval a concentration that exceeded the Track SCOs.

Two metals, Lead and Mercury, were reported at 197 mg/kg and 0.182 mg/k in the sample collected from the 10-12 foot interval in SB-13 at concentrations that exceed the Track 1 SCOs of 0.18 mg/kg and 63 mg/kg respectively. These concentrations are well below the Track 2 SCOs of 0.81 mg/kg and 400 mg/kg for lead and mercury respectively.

A “hit summary” of the results for the mid-level native soils is included as Table 5.1b below.

**TABLE 5.1b: Mid-Level Native Soil Sample Results.**

Analyte		6 NYCRR 375-6.8 Soil Cleanup Objective (SCO)		Sample ID (Location and depth)					
		TRACK 1 6.8 (a) Unrestricted (mg/kg)	TRACK 2 6.8 (b) Restricted Residential (mg/kg)	SB-1 (8-10)	SB-3 (10-12)	SB-4 (10-12)	SB-7 (8-10)	SB-8 (10-12)	SB-9 (2-4)
VOCs	Acetone	0.05	100	0.045	<b>0.13</b>	nd	0.027	<b>0.40 JB</b>	0.031
	Naphthalene	12	100	ND	ND	ND	ND	<b>13</b>	ND
METALS	Lead	63	400	7.29	<b>197</b>	5.60	6.08	9.61	12.0
	Mercury	0.18	0.81	0.0533	<b>0.182</b>	0.0203	0.0346	0.00917	0.0109

### Deeper Native Soil Results

No VOCs, SVOCs or TAL-Metals were reported in the seven samples collect from the 14-16 foot interval below the grade of the first floor or the 4.5-6 foot interval below the sub-grade floor (at SB-9) at concentrations that exceed the Track 1 SCOs except lead. Lead was reported in the sample collected from SB-3 at 143 mg/kg. The reported lead concentration is greater than the Track 1 SCO of 63 mg/kg but well below the Track 2 SCO of 400 mg/kg.

The data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site.

Based on the data the urban fill materials are impacted with concentrations of PAHs and heavy metals at concentrations that may warrant remedial action during redevelopment of the site. The native soils do appear to be significantly impacted and remediation of these soils is not warranted.

No compounds were reported in the soils at SB-4 or SB-8 at concentrations that exceed the petroleum impacted soils clean-up standards in NYDSDEC CP-51. No evidence of a significant petroleum release was observed in the analytical data.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of all data for chemical analyses performed on soil samples is included in Appendix D; Table 2A, 2B, and 2C.

## 5.3 Groundwater Chemistry

Five ground water grab screening level samples were collected, submitted for analysis VOCs, SVOCs, and TAL-metals (totals and dissolved) using the appropriate NYS ASP-CLP methods, and compared to the Ambient Water Quality Standards in NYSDEC Technical Operations Guidance Series v 1.1.1. (TOGS111) Where no numeric standard applies, the most stringent guidance value was use for the comparison.

Four VOCs were reported in one or more samples at a concentration that exceeded the AWQS in TOGS111:

- 1,1-Dichloroethane(11DCA) was reported a 6.2 µg/l in MW-1;
- cis-1,2-Dichloroethylene (12DCE) was groundwater samples reported at 24 µg/l, 20 µg/l, and 120 µg/l in MW-1, MW-2, and MW-4, respectively;
- Vinyl Chloride (VC) was reported at 3 µg/l (J detection) in MW-1; and,
- Methyl tert-butyl ether (MTBE) was reported at 15 µg/l in MW-1.

A “hit summary” for VOCs in the groundwater is included as Table 5.3a below. Complete data tables are included in Appendix D.

Analyte	AWQS TOGS111 (µg/l)	CP-MW-1 (SB-1)	CP-MW-2 (SB-3)	CP-MW-3 (SB-7)	CP-MW-4 (SB-4)	CP-MW-5 (SB-9)
1,1-Dichloroethane	5	<b>6.2</b>	ND	ND	3.9 J	ND
cis-1,2-Dichloroethylene	5	<b>24</b>	<b>20</b>	ND	<b>120</b>	3.5 J
Vinyl Chloride	2	<b>3.0 J</b>	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	10	<b>15</b>	7.8	ND	ND	ND

Any VOC reported in one or more samples at a concentration that exceeds the AWQS is included.

A detailed contour map based on the limited data is impractical due to an absence of regional contextual data. However, a representative iso-concentration map for Total VOCS is presented as **Figure 5**.

The highest concentration of total VOCs was reported at the furthest on-site upgradient location at MW-4. Total VOCs decline from MW-4 (126 µg/l) to MW-1 (48 µg/l) over a distance of 60 feet). VC a breakdown product if 12-DCE, was also reported in MW-1.

None of the reported VOCs were identified in the sample results for on-site soils. The distribution of VOCs combined with groundwater flow as discussed in Section 4.3 and lack of soil impacts suggests that a chlorinated solvent plume is migrating onto the Site from somewhere to the east-northeast of the Site of the northeast corner from 28<sup>th</sup> street.

No SVOCs were detected in any of the groundwater samples at a concentration at or above the method detection limits (MDLs).

The reported concentrations for total metals (plus cyanide) exceeded the ambient water quality standards (AWQS) for all elements in one or more of the groundwater samples. This would be expected with screening level grab samples as the samples were somewhat turbid when collected.

The filtered (dissolved) sample results reported Magnesium, Manganese, Selenium, and Sodium at concentrations that exceed AWQS. Comparison of the groundwater results to the corresponding soil samples at the same locations indicates that none of these four metals exceed the unrestricted use criteria in the fill or native material samples.

Based on the currently available data, there is no evidence of significant impacts to the quality of on-site groundwater from the historical uses of the site. Impacts to groundwater appear instead to originate from the migration of a chlorinated solvent plume onto the site. The size of the off-site plume and maximum concentrations that may ultimately migrate to the site are unknown.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of the results of the chemical analyses performed on groundwater samples and applicable groundwater standards are included in Table 5.3a. .

**Figure 5** shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

## **5.4 Soil Vapor Chemistry**

No compounds of concern were identified in the sub-slab soil vapor samples at concentrations that exceed the NYSDOH Matrix 1 ( $5 \mu\text{g}/\text{m}^3$ ) or Matrix 2 ( $100 \mu\text{g}/\text{m}^3$ ) action thresholds. These results are consistent with the lack of significant VOCs in the sub-slab soils.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in **Table 4** in Appendix D.

## **6.0 CONCLUSIONS**

### **6.1 Environmental Impacts**

There is no evidence of a significant release, spill, or disposal of regulated or hazardous materials at this Site and no remedial action is warranted. A request for closure of Spill 1306369 is being submitted to NYSDEC on the basis of an absence of laboratory data spill evidence in any of the soil samples.

The distribution of hydrocarbons and metals suggest that the impacts in the soil are limited to the urban fill and endemic to the site. PAH and metal impacts are related solely to the on-site fill used in the

original construction/site development circa 1916. Evidence of petroleum impacts was suggested by odors, staining, and elevated PID measurements but not confirmed by laboratory analysis.

Soil vapor beneath the floor of the building does not indicate an actual or potential concern for vapor intrusion.

The groundwater beneath the Site is impacted with relatively low concentrations of chlorinated solvent (primarily cis-1,2 DCE) and MTBE. The distribution and concentration of the impacts suggest a possible off-site source but is inconclusive.

## **6.1 Prior Activity**

There is no evidence suggested in the data collected during this RI of significant impacts to the environment from historical uses or filling at this Site. On this basis, no historic disposal of significant amounts of hazardous waste on this site is suspected.

## **6.2 Impediments to Remedial Action**

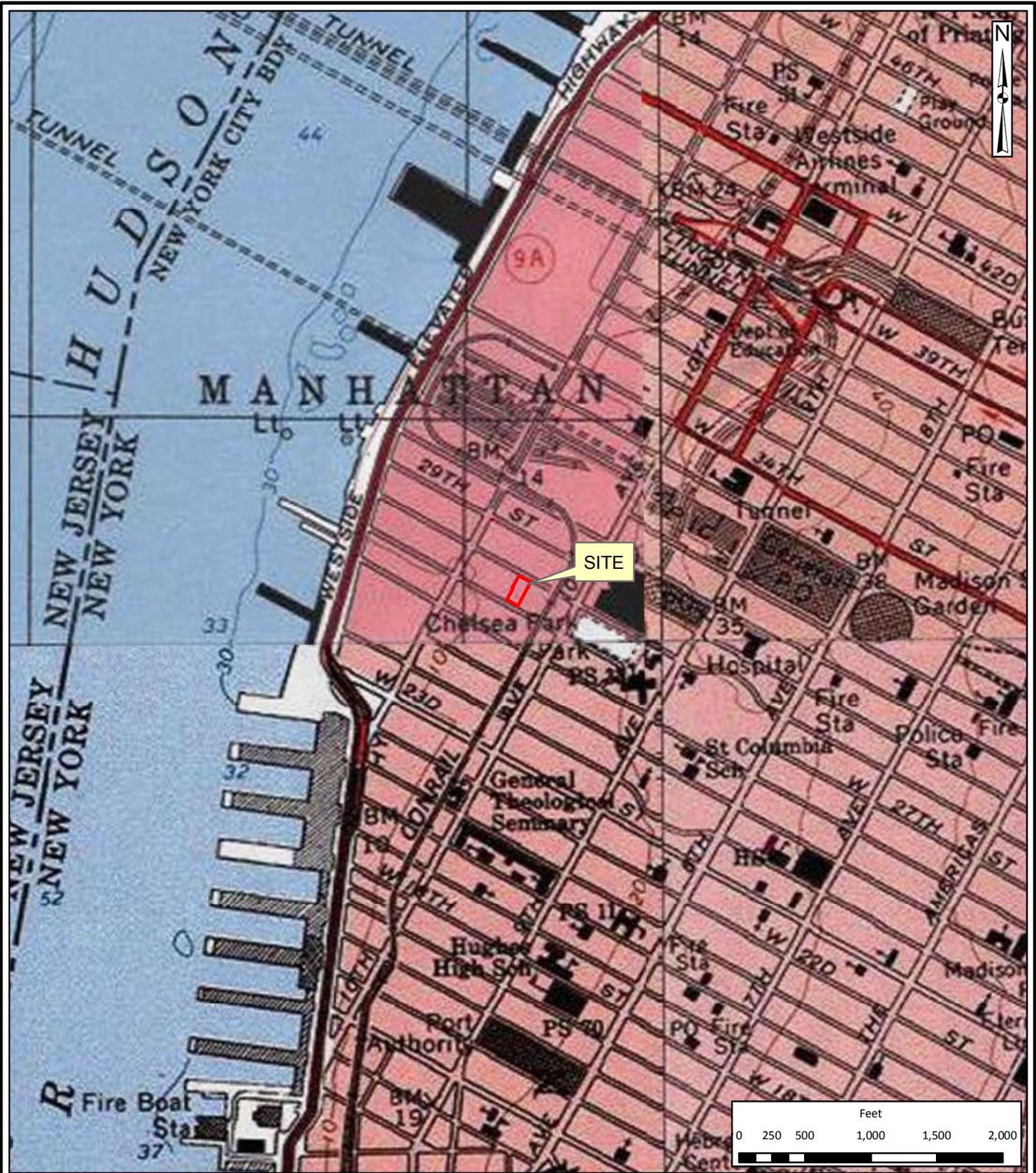
No remedial action appears to be warranted for this Site. Proper excavation, handling, and disposal of urban fill soils would be required during planned redevelopment excavation activities for the proposed new basement elevations, and the removal, treatment, and permitted discharge or disposal of excavation water would be needed if excavation below the groundwater is included in the redevelopment.

There are no known impediments to completing a remedial action at this property.

### **Applicable Site-Specific Standards, Criteria and Guidance**

- 6 NYCRR Part 371 - Identification and Listing of Hazardous Wastes
- 6 NYCRR Part 375 - Inactive Hazardous Waste Disposal Sites
- 6 NYCRR Parts 700-706 - Water Quality Standards (June 1998)
- CP-51 - Soil Clean-up Guidance (October 2010)
- NYSDEC DER-10 - Technical Guidance for Site Investigation and Remediation
- TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations
- NYSDOH Indoor Air Sampling & Analysis Guidance (August 8, 2001 or subsequent update)
- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (draft October 2004 or subsequent final draft)

# FIGURES



THE  
**Chazen**  
COMPANIES

ENGINEERS/SURVEYORS  
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LANDSCAPE ARCHITECTS

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375 Bay Road, Queensbury, NY 12804  
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**Centaur Properties - Chelsea Site**  
**Figure 1a - Site Location Map**

530 West 28th Street  
Borough of Manhattan, New York County, New York

Source: USGS topographic maps of the Brooklyn NY, Central Park NY-NJ, Weehawken NJ-NY and Jersey City NJ-NY quadrangles, dated 1967 (Photorevised 1979), 1966 (Photorevised 1979), 1967 (Photorevised 1981) and 1967 (Photorevised 1981) respectively, 7.5-minute series; NYS Department of Transportation 2008 roads dataset; New York City Department of Finance 2012 tax parcel data.

Drawn:	EJO
Date:	October 2013
Scale:	As Noted
Project:	91337.00
Figure:	1a



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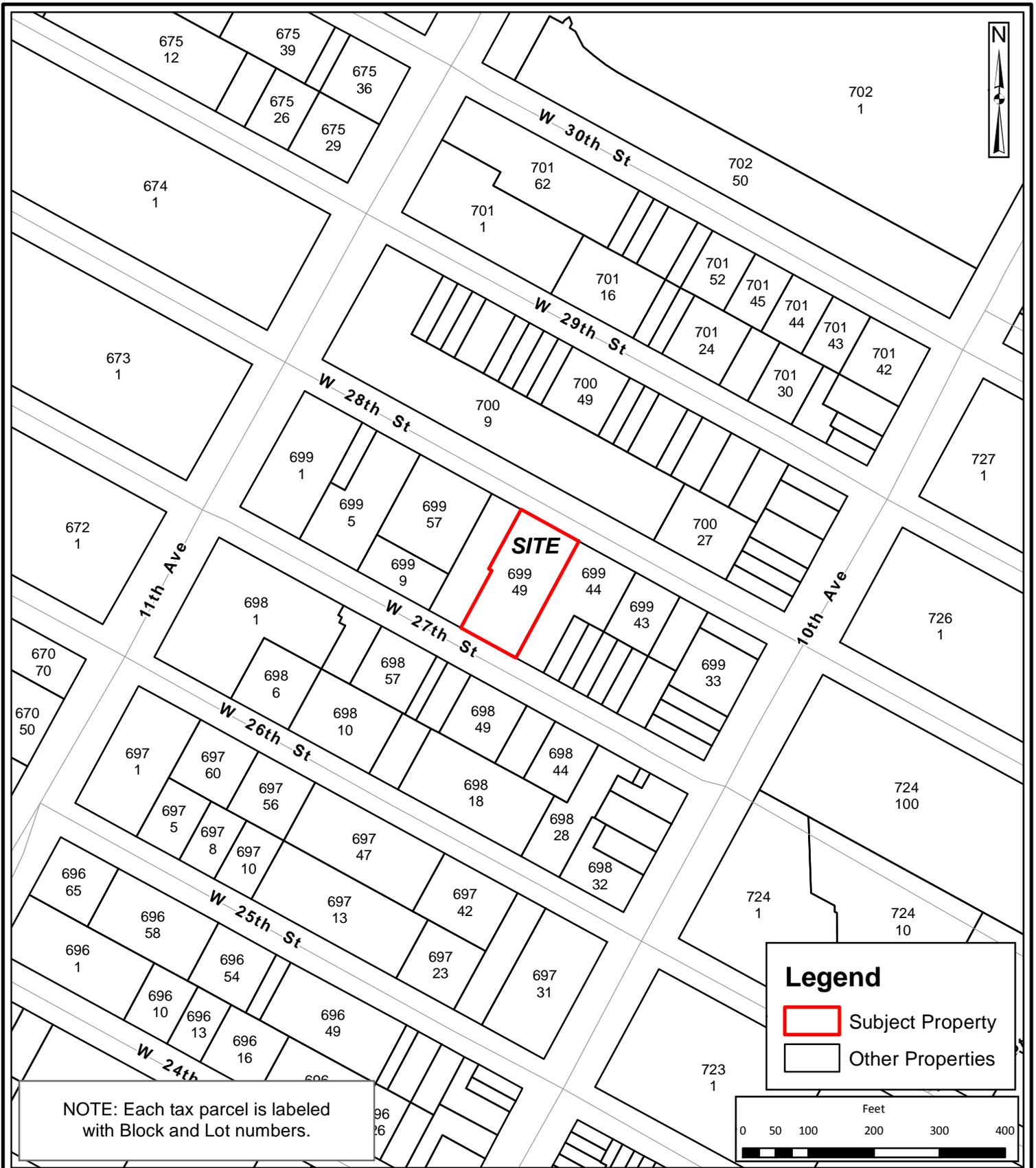
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**Centaur Properties - Chelsea Site**  
**FIGURE 1c - Orthophoto Map**

530 West 28th Street  
 Borough of Manhattan, New York County, New York

Source: USGS topographic maps of the Brooklyn NY, Central Park NY-NJ, Weehawken NJ-NY and Jersey City NJ-NY quadrangles, dated 1967 (Photorevised 1979), 1966 (Photorevised 1979), 1967 (Photorevised 1981) and 1967 (Photorevised 1981) respectively, 7.5-minute series; NYS Department of Transportation 2008 roads dataset; New York City Department of Finance 2012 tax parcel data.

Drawn:	EJO
Date:	October 2013
Scale:	As Noted
Project:	91337.00
Figure:	1b



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**Centaur Properties - Chelsea Site**

**FIGURE 1b - Site Area (Tax Parcel) Map**

530 West 28th Street  
Borough of Manhattan, New York County, New York

Source: NYS Department of Transportation 2008 Roads Dataset;  
New York City Department of Finance 2012 tax parcel data.

Drawn:	EJO
Date:	October 2013
Scale:	As Noted
Project:	91337.00
Figure:	2

**ZONING ANALYSIS**

**PROJECT LOCATION:**  
 526 WEST 28TH STREET, NY, NY 10001  
 BOROUGH OF MANHATTAN, STATE OF NEW YORK  
 BLOCK 699, LOT 49  
**ZONING DISTRICT:** C6-3  
 WEST CHELSEA SPECIAL DISTRICT SUBAREA 'B'  
**ZONING MAP:** 8B  
 MANHATTAN COMMUNITY DISTRICT: CD-4

**FLOOR AREA RATIO (FAR) (ZR 98.20):**  
 MAX. FAR ALLOWED: 5.0

**LOT AREA:**  
 (98.75 x 100)+(98.75 x 95= 19,232.50 x 5 = 96,162.5 SQFT

**HEIGHT LIMITATIONS:**  
**TOTAL ALLOWED AREA**

MIN. BASE HEIGHT = 60'-0"  
 MAX. BASE HEIGHT = 95'-0"  
 MAX. BLDG HEIGHT = 135'-0"

**PROPOSED USE GROUPS:**  
 USE GROUP 2-A MULTI-FAMILY RESIDENTIAL APARTMENTS  
 USE GROUP 6-A RETAIL  
 USE GROUP 6-C COMMERCIAL ART GALLERY

**YARDS (ZR 98.40):**  
 SIDE YARD NOT REQUIRED  
 REAR YARD EQUIVALENT 60'-0" REQUIRED\*

**BUILDING HEIGHT (ZR 98.423):**  
 MAXIMUM BUILDING HEIGHT = 135 FT.

**SETBACKS (ZR 98.423):**  
 INITIAL SETBACK 15'-0" NARROW STREET

**SKY EXPOSURE (ZR 98.423):**  
 NARROW 1:2.7

**BUILDING CODE ANALYSIS:**  
 BUILDING CODE: 2008 BUILDING CODE OF THE CITY OF NEW YORK

**PARKING REQUIREMENTS:**  
 TOTAL NUMBER OF RESIDENTIAL UNITS = 36  
 TOTAL RETAIL AREA (SOFT) = 10,788 SQFT

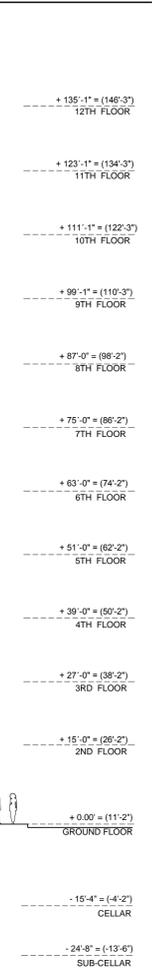
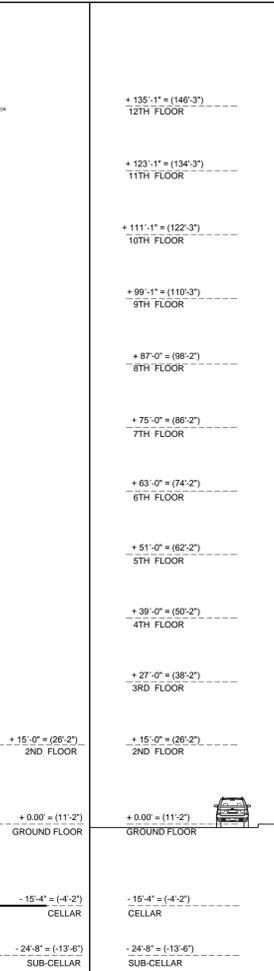
ZR-36-33- RETAIL (25-23)  
 REQUIRED PARKING = MINIMUM 40% OF UNITS

ZR-13.00 (OFF STREET PARKING REQUIRED IN C.D. 1-8 IN MANHATTAN)  
 ZR-13.01 - MOST RESTRICTIVE PROVISIONS APPLY FOR PARKING.  
 FEWER NUMBER OF PARKING SPACES  
 ZR-13.12 - AREA SOUTH OF 60TH STREET - PARKING SPACES SHALL NOT EXCEED 20% OF DWELLING UNITS  
 ZR-13.36 - SPECIAL PERMIT - ACCESSORY OFF STREET PARKING SPACES (SEE PROVIDED PROVISION (a) - (e) FOR APPROVAL)

(e) - REQUIRED RESERVOIR - 20% OF 36 = 8 CARS (SEE 1ST FLOOR PLAN)

**LEGEND**

ARCHITECTURAL ELEVATION	→ 0.00' = (-0'-0")	→ TRUE ELEVATION
	→ FIRST FLOOR	



**1 ZONING INFORMATION**  
 SCALE: 1/8"=1'-0"

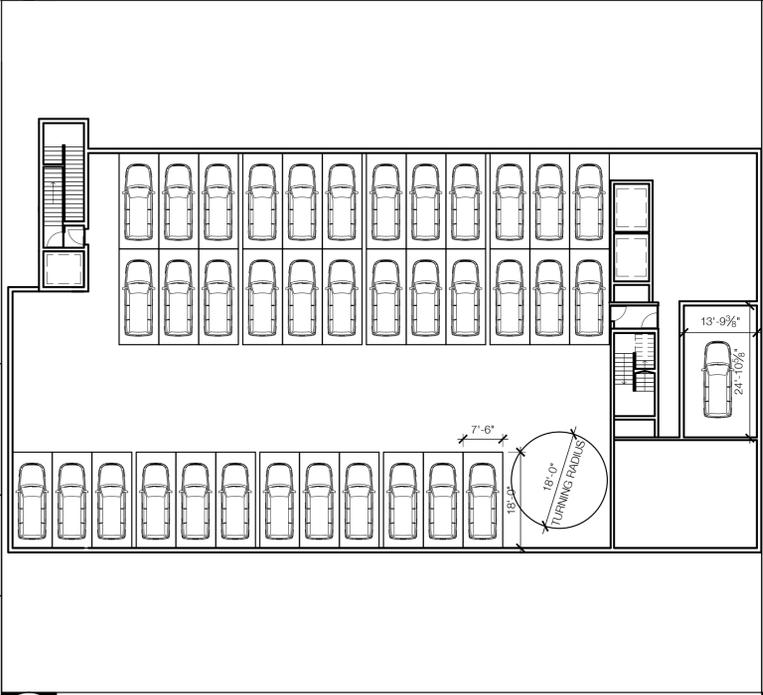
**4 CROSS SECTION**  
 SCALE: 1/16"=1'-0"

**5 CROSS SECTION**  
 SCALE: 1/16"=1'-0"

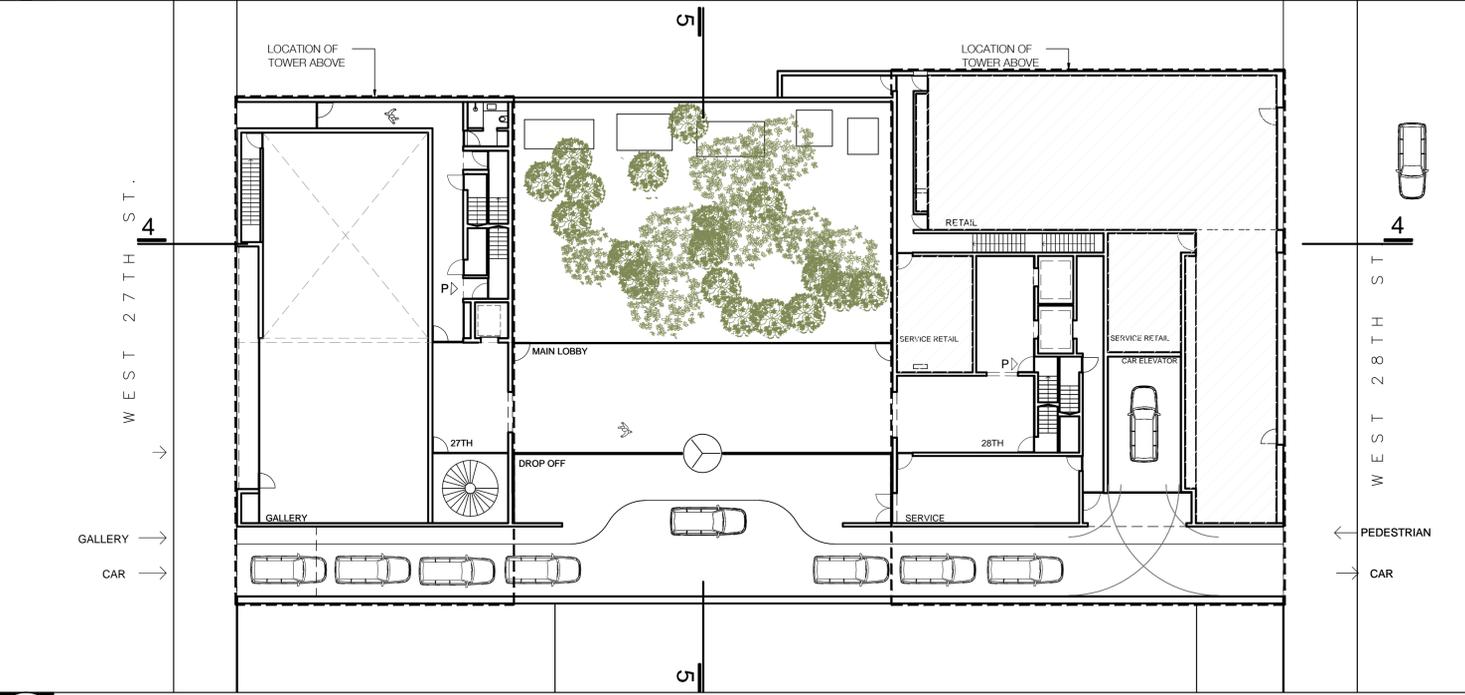
**PROJECT INFORMATION**  
 Centaur Properties LLC  
 530 West 28th Street  
 New York, NY 10001

**PARKING ANALYSIS**  
 DATE: 12/24/13

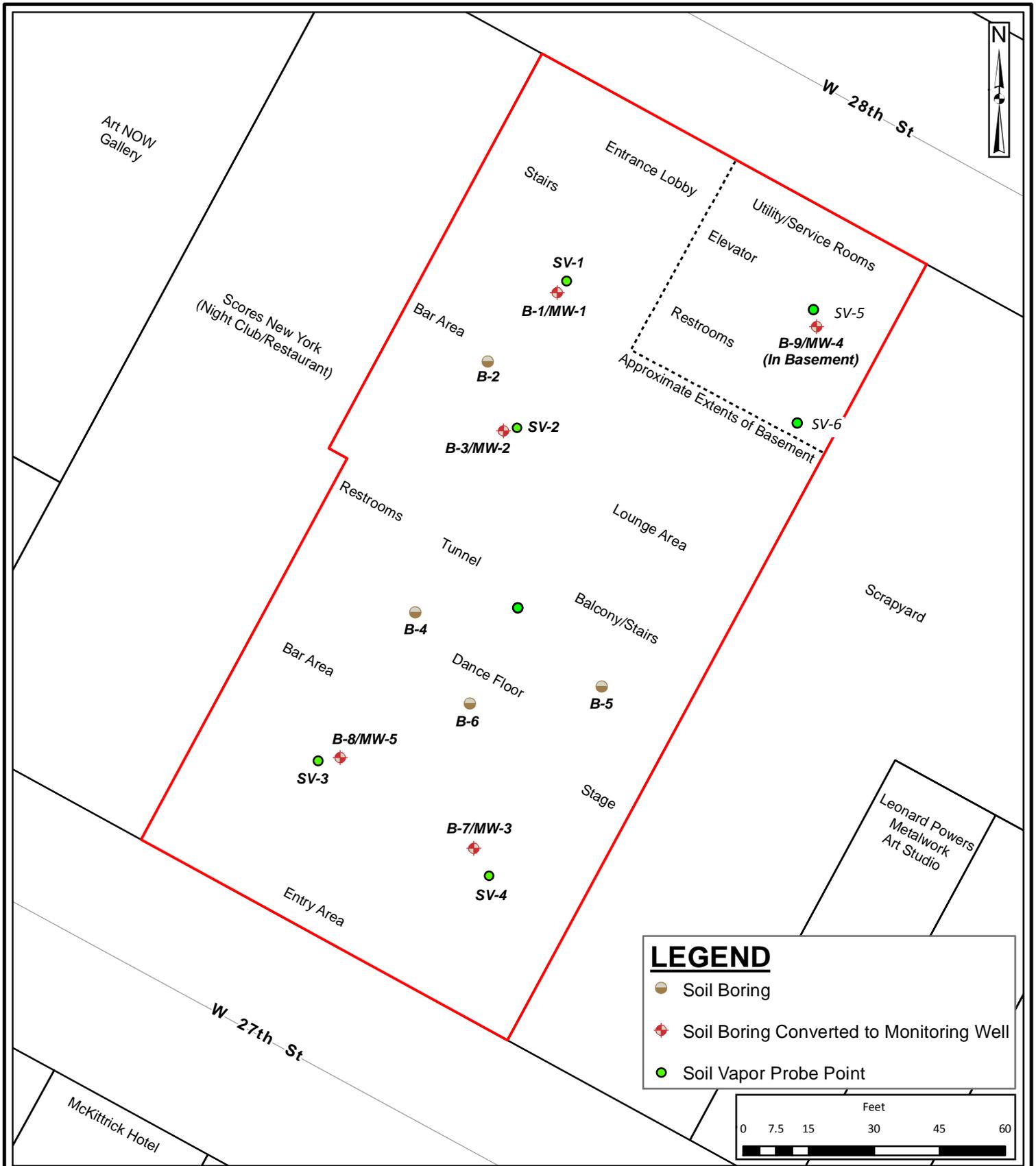
**SK-001**



**2 SUB-CELLAR PLAN**  
 SCALE: 1/16"=1'-0"

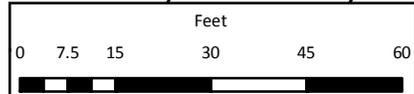


**3 FIRST FLOOR PLAN**  
 SCALE: 1/16"=1'-0"



**LEGEND**

- Soil Boring
- Soil Boring Converted to Monitoring Well
- Soil Vapor Probe Point



**THE Chazen COMPANIES**  
 ENGINEERS/SURVEYORS  
 PLANNERS  
 ENVIRONMENTAL SCIENTISTS  
 LANDSCAPE ARCHITECTS

**Dutchess County Office:**  
 21 Fox Street, Poughkeepsie, NY 12601  
 Phone: (845) 454-3980

**Capital District Office:**  
 547 River Street, Troy, NY 12180  
 Phone: (518) 273-0055

**North Country Office:**  
 375 Bay Road, Queensbury, NY 12804  
 Phone: (518) 812-0513

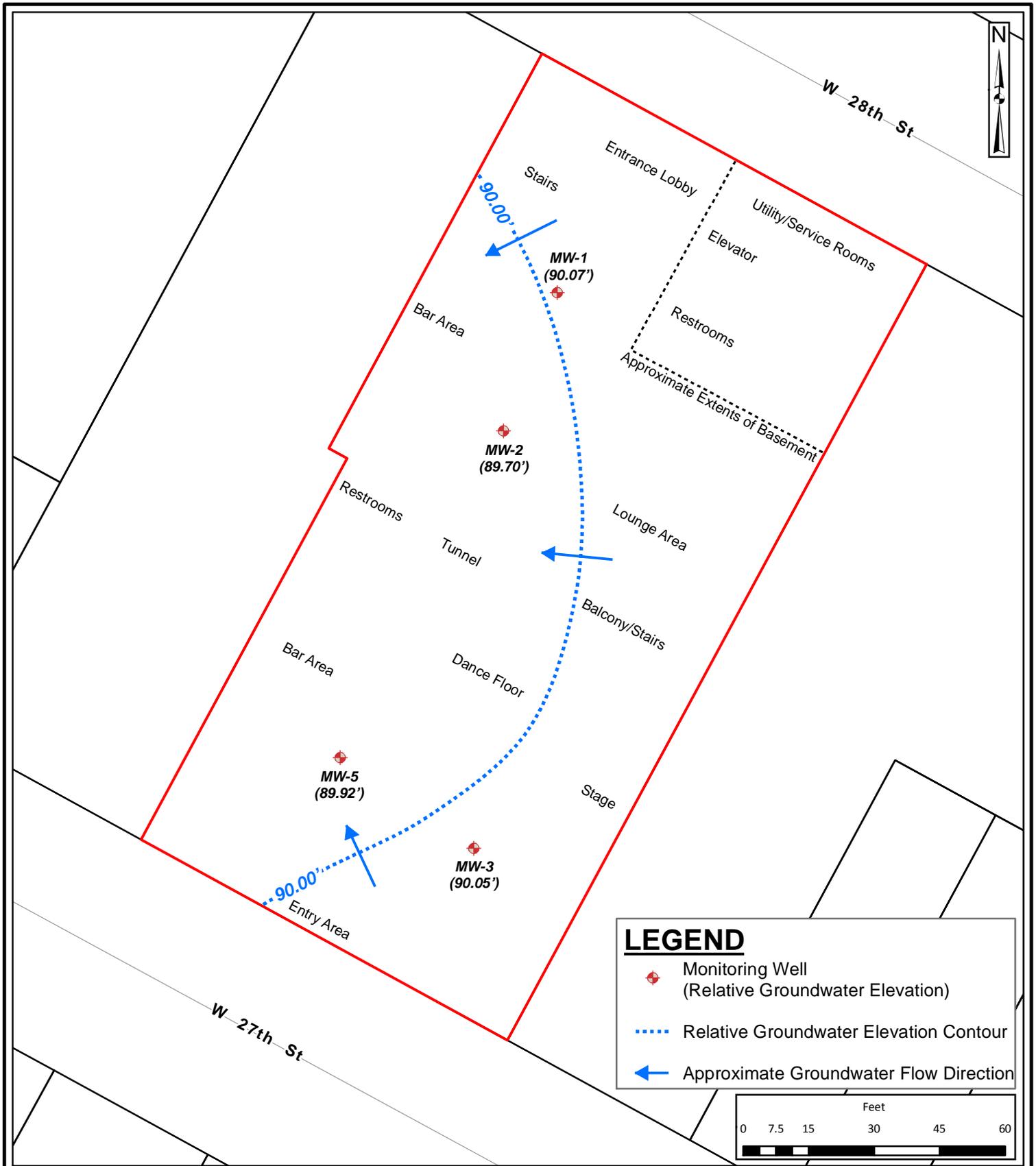
**Centaur Properties - Chelsea Site**

**Figure 3 - Exploration Locations Map**

530 West 28th Street  
 Borough of Manhattan, New York County, New York

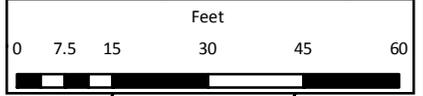
Source: NYS Department of Transportation 2008 Roads Dataset; New York City Department of Finance 2012 tax parcel data; other features drawn by Chazen field staff, 2013.

Drawn:	EJO
Date:	October 2013
Scale:	As Noted
Project:	91337.00
Figure:	3



**LEGEND**

- Monitoring Well (Relative Groundwater Elevation)
- Relative Groundwater Elevation Contour
- Approximate Groundwater Flow Direction



**THE Chazen COMPANIES**  
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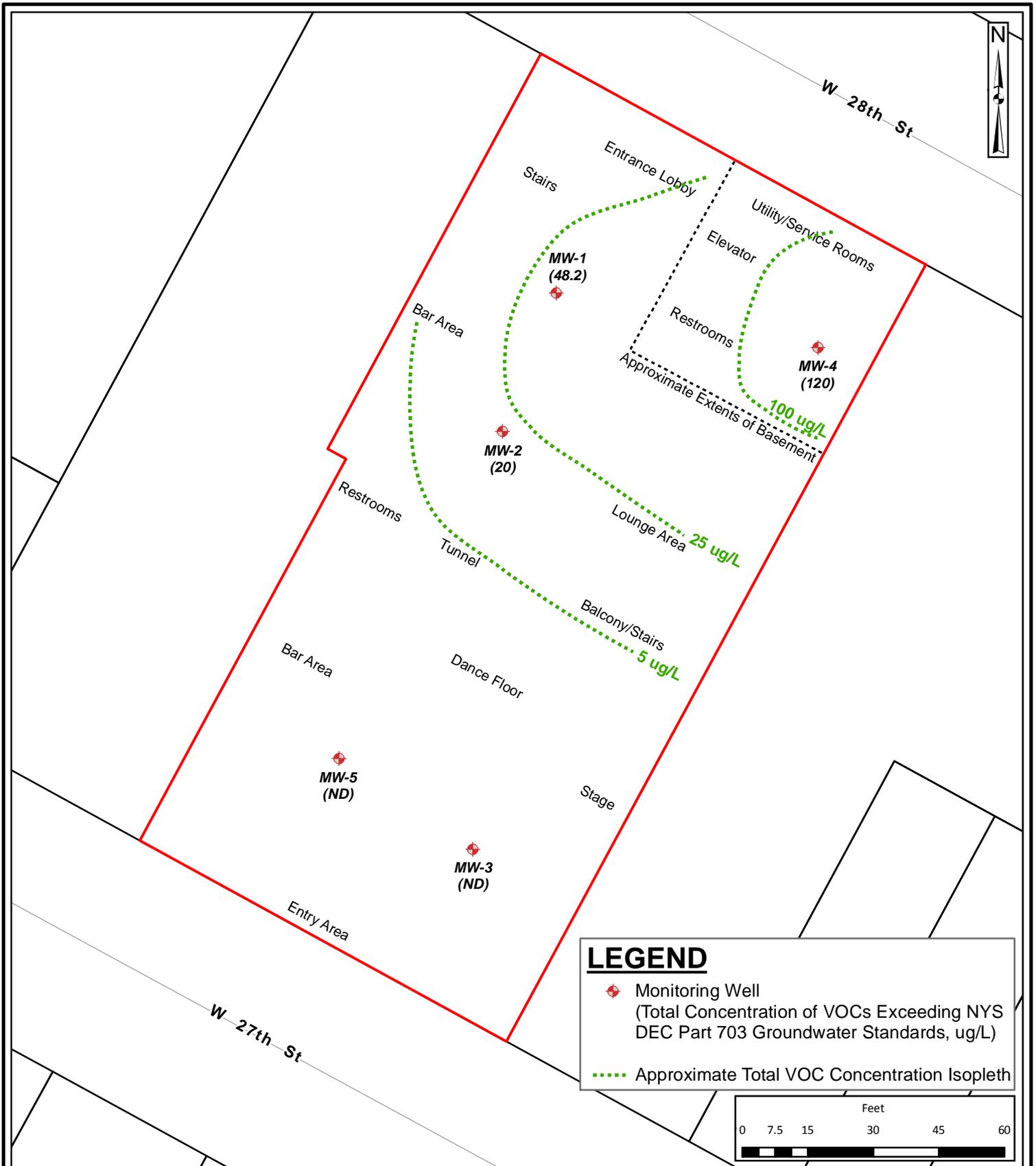
**Centaur Properties - Chelsea Site**

**Figure 4 - Groundwater Contour Map**

530 West 28th Street  
Borough of Manhattan, New York County, New York

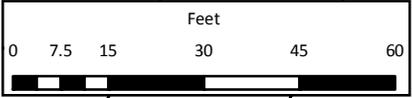
Source: NYS Department of Transportation 2008 Roads Dataset; New York City Department of Finance 2012 tax parcel data; other features drawn by Chazen field staff, 2013.

Drawn:	EJO
Date:	October 2013
Scale:	As Noted
Project:	91337.00
Figure:	4



**LEGEND**

- ◆ Monitoring Well  
(Total Concentration of VOCs Exceeding NYS DEC Part 703 Groundwater Standards, ug/L)
- Approximate Total VOC Concentration Isolepth



**THE Chazen COMPANIES**  
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PLANNERS  
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Phone: (518) 812-0513

**Centaur Properties - Chelsea Site**

**Figure 5 - Groundwater VOC Isolepth Map**

530 West 28th Street  
Borough of Manhattan, New York County, New York

Source: NYS Department of Transportation 2008 Roads Dataset; New York City Department of Finance 2012 tax parcel data; other features drawn by Chazen field staff, 2013.

Drawn:	EJO
Date:	October 2013
Scale:	As Noted
Project:	91337.00
Figure:	5

# **APPENDIX A**

## Phase 1 Report

*Phase I Environmental Site Assessment*

**RN Realty L.L.C. Property**  
525-531 West 27th and 526-532 West 28<sup>th</sup> Streets  
Borough of Manhattan  
New York County, New York

April 12, 2013

Chazen Project No. 41311.00



Prepared for:

Centaur Properties LLC  
609 Greenwich 4th floor  
New York, NY 10014

*Phase I Environmental Site Assessment*

**RN Realty L.L.C. Property**  
525-531 West 27th and 526-532 West 28th Streets  
Borough of Manhattan  
New York County, New York

April 12, 2013



Prepared by:

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## TABLE OF CONTENTS

<b>1.0</b>	<b>INTRODUCTION .....</b>	<b>1</b>
1.1	Purpose .....	1
1.2	Scope of Services .....	1
1.2.1	Review Existing Site Background Information (Current and Historical) .....	1
1.2.2	Site Reconnaissance and Interviews.....	2
1.3	Qualifications .....	2
1.4	Significant Assumptions.....	2
1.5	Special Terms and Conditions.....	3
1.6	Limitations and Exceptions of Assessment .....	3
1.7	Deviations .....	4
1.8	User Reliance .....	4
<b>2.0</b>	<b>SITE DESCRIPTION .....</b>	<b>5</b>
2.1	Site Location and Total Site Area.....	5
2.2	Current Site Uses/Operations.....	5
2.3	General Site Configuration .....	5
2.3.1	Roadways On or Adjoining the Site .....	5
2.3.2	Easements and Right of Ways .....	5
2.4	Structures.....	6
2.5	Site Utilities.....	6
2.6	Topographic Description.....	6
2.7	Site Soils and Geology.....	6
2.8	Site Hydrology and Hydrogeology .....	7
2.9	Surrounding Land Uses.....	7
<b>3.0</b>	<b>USER PROVIDED INFORMATION.....</b>	<b>8</b>
3.1	Title records .....	8
3.2	Environmental Liens or Activity and Use Limitations (AULs) .....	8
3.3	Specialized Knowledge .....	8
3.4	Commonly Known or Reasonably Ascertainable Information .....	8
3.5	Valuation Reduction for Environmental Issues .....	8
3.6	Reason for Performing the Phase I ESA.....	8
<b>4.0</b>	<b>SITE AND SURROUNDING AREA HISTORICAL REVIEW.....</b>	<b>9</b>
4.1	Summary .....	9
4.1.1	Site .....	9
4.1.2	Adjoining/Surrounding Properties .....	9
4.2	Title Search Information .....	9

**TABLE OF CONTENTS**

**Continued**

	Historic Property Ownership .....	9
4.3	Sanborn Fire Insurance Maps .....	10
4.4	Aerial Photographs .....	11
4.5	USGS Topography Maps .....	12
4.6	City Directories.....	12
4.7	Municipal Records/ Local Government Interviews .....	14
	4.7.1 Assessor’s Office .....	14
	4.7.2 Building Department .....	14
	4.7.3 Planning Zoning Department.....	16
	4.7.4 Fire Department .....	16
4.8	Owner, Operator and Occupant Interviews .....	16
	4.8.1 Property Owner/Key Site Representative .....	16
	4.8.2 Current Operators and/or Site Occupants .....	16
	4.8.3 Past Owners, Occupants, and Operators .....	17
4.9	Previous Environmental Investigations .....	17
<b>5.0</b>	<b>ENVIRONMENTAL REGULATORY AGENCY RECORD REVIEW.....</b>	<b>20</b>
5.1	Standard ASTM Environmental Record Sources .....	20
	5.1.1 Federal .....	21
	5.1.2 State and Tribal.....	22
5.2	Supplemental Non-ASTM Environmental Record Sources .....	25
5.3	Tier I Vapor Encroachment Screen .....	26
5.4	Information from Regulatory Agency Officials.....	29
	5.4.1 New York City Department of Environmental Protection.....	29
	5.4.2 New York State Department of Environmental Conservation .....	29
<b>6.0</b>	<b>SITE RECONNAISSANCE .....</b>	<b>30</b>
6.1	Conditions of Reconnaissance .....	30
6.2	Chemical and Petroleum Substances .....	31
6.3	Site Waste Profile .....	31
6.4	Site Drainage.....	32
6.5	PCB-Containing Equipment .....	32
<b>7.0</b>	<b>EVIDENCE OF POTENTIAL/KNOWN SITE CONTAMINATION.....</b>	<b>33</b>
<b>8.0</b>	<b>REPORT FINDINGS, OPINIONS AND CONCLUSIONS.....</b>	<b>34</b>
8.1	Findings and Opinions.....	34
8.2	Conclusions .....	35

**TABLE OF CONTENTS**  
**Continued**

**9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS.....37**

**REFERENCES**

List of People and Agencies Contacted  
Documents Reviewed

**FIGURES**

Figure 1: Site Location Map  
Figure 2: Tax Map  
Figure 3: 2010 Orthophoto  
Figure 4: Site Plan obtained from 2010 EBI Phase I ESA

**APPENDICES**

Appendix A: Site Photographs  
Appendix B: Historical Resources  
Appendix C: Environmental Database Report  
Appendix D: Interview Documentation  
Appendix E: Qualifications

## **1.0 INTRODUCTION**

The Chazen Companies (Chazen) performed a Phase I Environmental Site Assessment (ESA) for the property located at 525-531 West 27th and 526-532 West 28th Streets in the West Chelsea area of the Borough of Manhattan, New York County, New York (“the Site”).

The Site contains a 34,256-square foot commercial building that encompasses the entire property parcel and is bound by West 28<sup>th</sup> Street to the northeast and West 27<sup>th</sup> Street to the southwest. The Site building is comprised of two interconnected buildings occupied by two night clubs and office space.

The Site building was reportedly developed in the late 1800s/early 1900s and has had several alterations/renovations since that time. The Site was originally constructed and occupied by a manufacturer of parts for automobiles and Sherman tanks. Past uses of the Site included a foundry, trucking terminal and warehouse. A major renovation of the Site building occurred between 2002 and 2003 for use as a night club. The building is unoccupied.

### **1.1 Purpose**

The purpose of this Phase I ESA is to reasonably identify potential or known recognized environmental conditions (RECs) and Significant Data Gaps (SDGs) as defined by ASTM E 1527-05. The ASTM Standard Practice allows a lender or property owner to satisfy one of the requirements necessary to qualify for either the innocent landowner, contiguous property owner, or bona fide prospective purchaser defenses for liability protection under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). RECs are defined as “the presence or likely presence of any hazardous substances (including wastes) or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any such products into structures, the ground, groundwater, or surface water of the property” even under conditions in compliance with laws. SDGs are information shortages which affect the ability to identify RECs.

### **1.2 Scope of Services**

The methodology employed for the performance of this Phase I ESA is consistent with, or exceeds the requirements of, ASTM E 1527-05 and comprises the following steps.

Information obtained from the performance of these tasks is described in this Phase I ESA report in Sections 2.0 through 7.0 below. Conclusions regarding the findings of this investigation are provided in Section 8.0.

#### **1.2.1 Review Existing Site Background Information (Current and Historical)**

In accordance with ASTM E 1527-05, Chazen attempts to review existing background information describing sites, including: historic aerial photographs, historic Sanborn fire insurance maps (if available), environmental databases, a current United States Geological Survey (USGS) topographic map, and local government records. Discussion of particular identified sources is found in Sections 4.0 through 6.0.

### 1.2.2 Site Reconnaissance and Interviews

In accordance with ASTM E 1527-05, Chazen seeks available Site information from the following sources. Discussion of sources contacted is found in Sections 4.0 through 6.0:

- A visual site reconnaissance, including review of operations, chemical/petroleum handling, waste management systems, and prior waste handling practices at the Site;
- Visual observations of adjacent properties from the Site and adjacent roadways;
- Interviews with the user, Site owner, operator, and/or occupants, if identified and available;
- Interviews with identified past owners, operators, and occupants for which contact information was provided;
- Interviews with neighbors (if site is abandoned);
- Contacting regulatory and local officials to determine if the presence of hazardous substances or petroleum products has been a concern at the site;
- Assessment of the current and past use of hazardous substances and petroleum products (from visual observations and interviews with knowledgeable persons); and
- Determination of the existence and use of site utilities.

### 1.2.3 Environmental Regulatory Database Search

Chazen obtained a commercially-available database report of a search of Federal and State regulatory databases to determine the possible presence of hazardous substances or petroleum product at the Site and/or within the search distances identified in ASTM E 1527-05.

## **1.3 Qualifications**

This Phase I ESA has been conducted by qualified environmental professionals with the required level of education in an environmental field of study and experience in the performance of Phase I ESAs and ASTM Standard requirements. These qualifications are consistent with environmental professional requirements referenced in the ASTM E 1527-05 standard. Appendix E includes resumes of qualified environmental professional qualifications.

## **1.4 Significant Assumptions**

Significant assumptions made in the performance of this Phase I ESA are as follows:

- Groundwater flow approximately mimics major topographic gradients.

- Representations made during interviews are accurate.

### **1.5 Special Terms and Conditions**

In addition to the ASTM E 1527-05 scope of work, a Tier 1 Vapor Encroachment Screening was performed consistent with ASTM E 2600-10: Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.

### **1.6 Limitations and Exceptions of Assessment**

No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. The performance of this Phase I ESA is consistent with ASTM Standard E 1527-05 and is intended to reduce, but not eliminate, such uncertainty regarding the potential for RECs in connection with a property, and this practice recognizes reasonable limits of time and cost. The information presented in this report is limited to the investigation conducted and described herein, and is not necessarily all inclusive of conditions present at the Site.

This Phase I ESA is Site specific in that it relates to the assessment of environmental conditions at the Site. Opinions presented in this report apply to Site conditions existing at the time of the Chazen evaluation and may not necessarily apply to future Site or surrounding area conditions. Chazen can render no opinion as to the presence or absence of RECs in areas of the property where access was not provided or was limited.

The accuracy and completeness of the information provided by the sources referenced in this Phase I ESA report was not independently verified. Accordingly, Chazen accepts no responsibility for any deficiencies, misstatements or inaccuracies contained in this report that occur as a result of misrepresentations, omissions, or fraudulent acts of the sources questioned or documentation provided. Persons knowledgeable of the Site were interviewed only to the extent that these individuals were available and forthcoming during the investigation period.

This practice does not address whether requirements, in addition to all appropriate inquiry (AAI), have been met in order to qualify for the landowner liability protections (LLPs), including “the continuing obligation not to impede the integrity and effectiveness of activity and use limitations (AULs), or the duty to take reasonable steps to prevent releases, or the duty to comply with legally required release reporting operations.” Failure to meet continuing obligations may forfeit CERCLA liability protection.

Additionally, this practice does not address the requirements of any state or local laws, or any federal laws other than the AAI provisions of the LLPs. Users are cautioned that federal, state, and local laws may impose environmental assessment obligations that are beyond the scope of this practice.

Responses from public agencies typically can take three to four weeks to obtain. Client-imposed time constraints that are less than what is considered to be a reasonable timeframe by this standard (i.e., 20 days) may result in a data gap that could affect CERCLA liability protection.

The site reconnaissance was limited in that the interior of the building was dimly lit. In addition, the configuration of the building's interior is complex. While every effort was made to observe inside noted doors and crevices, floor plans of the building were not provided so it is uncertain whether complete access was provided to the building.

### **1.7 Deviations**

One deviation from the ASTM E 1527-05 standard was performed during this Phase I ESA. A Tier 1 Vapor Encroachment Screening was performed consistent with ASTM E 2600-10: Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.

### **1.8 User Reliance**

This report is intended for the sole and exclusive use of Centaur Properties LLC, and not for the benefit use of others, and may not be used or relied upon by others. The findings of the report are limited to those specifically expressed in the report and no other representations can be relied upon other than those expressly stated in the report and as limited by Chazen's terms and conditions.

This Phase I ESA report is considered valid under one of the two following conditions:

- 1) It was (a) completed less than 180 days prior to the date of acquisition or (for transactions not involving an acquisition) the date of the intended transaction, and (b) the user(s) satisfies the user's responsibilities identified in Section 3.
- 2) It was (a) completed within one year prior to the date of acquisition or (for transactions not involving an acquisition) the date of the intended transaction; (b) the following components were conducted or updated within 180 days of the acquisition or transaction: interviews, search for environmental cleanup liens, review of government records, visual inspection of the property and adjoining properties, and declaration by the environmental professional; and (c) the user(s) satisfies the user's responsibilities identified in Section 3.

## **2.0 SITE DESCRIPTION**

### **2.1 Site Location and Total Site Area**

The RN Realty L.L.C. Property is rectangular-shaped parcel of land located at 525-531 West 27<sup>th</sup> and 526-532 West 28<sup>th</sup> Streets, in the West Chelsea area of the Borough of Manhattan, New York County, New York. The Site is bounded by West 28<sup>th</sup> Street to the northeast and West 27<sup>th</sup> Street to the southwest, and is located between 10<sup>th</sup> and 11<sup>th</sup> Avenues.

The Site is a 0.45-acre property comprised of one tax lot identified on the New York City tax map as Block 699, Lot 49.

A map illustrating the Site location is attached as Figure 1 and a copy of the New York City tax map is included as Figure 2. An orthophoto of the Site is provided as Figure 3.

### **2.2 Current Site Uses/Operations**

The Site contains two unoccupied and connected structures with two night club facilities, known as Crobar and M<sub>2</sub>, and an office space. In addition, part of the Site is used as storage space.

Site reconnaissance photographs, depicting observed property conditions are attached as Appendix A. Site conditions were similar to those noted in a 2010 Phase I ESA; therefore, reconnaissance photos are focused to observed chemical or petroleum materials observed.

### **2.3 General Site Configuration**

The Site is an approximately rectangular-shaped parcel of land. The Site is bounded to the northeast and southwest by West 28<sup>th</sup> Street and West 27<sup>th</sup> Street, respectively. The Site buildings encompass the entire Site parcel. There are no parking or landscaped areas on the Site.

#### 2.3.1 Roadways On or Adjoining the Site

The Site has approximately 100 feet of frontage along the southwestern side of West 28<sup>th</sup> Street and approximately 95 feet of frontage along the northeastern side of West 27<sup>th</sup> Street.

#### 2.3.2 Easements and Right of Ways

No visible suggestion of likely easements or rights-of-way was observed on the Site. No deed search was conducted to confirm the presence or absence of any on-site rights-of-way or easements.

## 2.4 Structures

Structures	Year Constructed	Description	Heating and Cooling
525-531 West 27 <sup>th</sup> Street Building	Late 1800s/early 1900s	Vaulted single-story structure comprising approximately 20,000 square feet - no basement.	Rooftop-mounted electric/natural gas Heating Ventilation and Air Conditioning (HVAC) Units
526-532 West 28 <sup>th</sup> Street Building	Late 1800s/early 1900s	Four-story brick structure with basement comprising approximately 15,000 square feet.	

## 2.5 Site Utilities

Utility	Description
Potable Water	New York City Department of Environmental Protection (NYCDEP) Water Service
Sanitary Sewage Disposal Systems	NYCDEP Sewer Service
Storm Sewer Disposal	NA
Electricity	Con Edison
Natural Gas	Con Edison

## 2.6 Topographic Description

Site topography is relatively flat and a review of the United States Geologic Survey (USGS) Topographic Map (Weehawken, New Jersey Quadrangle – Figure 1) indicates that the surface elevation on the Site is approximately 13 feet above mean sea level (msl). Surrounding area topography gently slopes downward to the west towards the Hudson River.

## 2.7 Site Soils and Geology

A review of the Surficial Geologic Map of New York (Lower Hudson Sheet, 1989) indicates that surficial soils in the area of the Site are mapped as till. The United States Department of Agriculture (USDA) Soil Conservation Service's Soil Survey of New York County, New York maps soils on the Site as being composed of Urban land. Urban land is described as soil that has been altered by cutting and filling and is covered by impervious surfaces and buildings.

Bedrock in the area of the Site is greater than 10 inches below grade according to the above-referenced Soil Survey and Surficial Geologic Map and is mapped on the Geologic Map of New York (Lower Hudson Sheet, 1970) as Middle Ordovician-aged rocks of the Manhattan Formation, undivided consisting of pelitic schists and amphibolite.

## 2.8 Site Hydrology and Hydrogeology

No surface water bodies were noted on the Site. The nearest off-site water body is the Hudson River located approximately 1,400 feet west of the Site. This water body flows in a southerly direction but is subject to tidal influence.

Groundwater flow is best determined using site-specific well data and may be affected by surface topography, hydrology, hydrogeology, and characteristics of the soil and nearby wells. No site-specific well data or hydrology information was provided or is known to exist for the Site. In the absence of site-specific data, other sources of information are typically used including surface topographic information, hydrogeologic information collected from nearby properties, etc.

Based on a review of available information, including area topography, regional groundwater flow is expected to be westerly towards the Hudson River. Shallow groundwater flow direction; however, may also be influenced by the presence of several buried utilities and subway lines nearby. On-site groundwater flow would be influenced by site-specific geologic conditions.

## 2.9 Surrounding Land Uses

The surrounding land uses, as identified during the site reconnaissance and from other available sources, are described as follows.

Direction	Adjoining	Surrounding
North	-West 28 <sup>th</sup> Street -Parking area and storage yard for building supplies	- Commercial/Industrial
East	-Vacant lot	- Iron Scrap Yard and Truck Parking Commercial/Industrial - High Line Park
South	-West 27 <sup>th</sup> Street -Commercial Buildings- Art Galleries - Condominium	- Commercial/Industrial
West	- Barrow Auto Repair -Scores Night Club	- Commercial/Industrial

### **3.0 USER PROVIDED INFORMATION**

Mr. Larry Greenburg, Director of Construction and Facilities Management for Centaur Properties LLC, completed the User Questionnaire. As such, Mr. Greenburg is the representative of the recognized Site "User" referenced in this section of this ESA. A copy of the questionnaire is included in Appendix D.

#### **3.1 Title records**

The User indicated that a Title Search has not yet been completed and will be completed prior to property closing. Once completed, the Title Search should be kept on file with the Phase I ESA report to comply with the ASTM E 1527-05 standard.

#### **3.2 Environmental Liens or Activity and Use Limitations (AULs)**

As the Title Search has not been conducted, the User has not searched for environmental cleanup liens against the property or AULs, such as engineering controls, land use restrictions, or institutional controls that are in place at the Site and/or have been filed or recorded in a registry under federal, tribal, state, or local law.

#### **3.3 Specialized Knowledge**

The User does not have specialized knowledge or experience related to the property or nearby properties.

#### **3.4 Commonly Known or Reasonably Ascertainable Information**

The User indicated that they have received a 2010 Phase I ESA for the Site, a copy of which has been provided to Chazen. The User is not otherwise aware of commonly known or reasonably ascertainable information (i.e., past uses, specific chemicals currently or historically present, spills or chemical releases, environmental cleanups) about the property that would help identify conditions indicative of a release or threatened releases.

#### **3.5 Valuation Reduction for Environmental Issues**

The User considers the purchase price to be a reasonable reflection of the property's fair market value and is not aware of a reduction to the purchase price because of environmental issues.

#### **3.6 Reason for Performing the Phase I ESA**

The User has indicated that their purpose for this Phase I ESA is conduct due diligence for purchase and to obtain a permit to demolish the building and construct a new building, as well as to satisfy one of the lending institution's requirements.

## 4.0 SITE AND SURROUNDING AREA HISTORICAL REVIEW

### 4.1 Summary

#### 4.1.1 Site

Based on the historical sources reviewed as part of this Phase I ESA, including historical information provided in a 2010 ESA prepared by EBI Consulting (EBI), as well as interviews conducted with knowledgeable individuals, the property was constructed as two individual buildings in the late 1800s to 1916. The Site was originally built and occupied by E.R. Merrill Spring Company, a manufacturer of automobile springs/parts and parts for Sherman Tanks. Historical site uses included a truck terminal garage, warehouse and foundry. After E.R. Merrill-Spring Co. and various subsequent subsidiaries (1980), the Site was occupied as a warehouse for storage and construction of theatrical props and scenery and was reportedly used as a studio for filming. From 1998 to 2002 the building was used by the current owner as a warehouse for a packaging supply company. Between 2002 and 2003, the owner renovated the structure for use as two night clubs. Other uses have included general office use and storage.

#### 4.1.2 Adjoining/Surrounding Properties

Based on the historical sources reviewed as part of this Phase I ESA, including historical information provided in a 2010 ESA prepared by EBI, the surrounding area has included industrial buildings including iron works, builder's yards, a toothpaste manufacture, scrap yards, garages, a laundry facility, and other industrial activities.

### 4.2 Title Search Information

Information available from the New York City Department of Finance website ARCIS database includes information on property mortgages, leases and deeds. This information indicates that the property (Block 699, Lot 49) has been owned by RN Realty L.L.C. since 1998. Prior ownership history obtained from the Department of Finance records, as well as other historical sources, is presented in table below. A property/deed abstract was not performed under the scope of this Phase I ESA.

Historic Property Ownership

From	To	Date
Messmore & Damon, Inc.	RN Realty LLC	January 15, 1998
Vera K. Merrill and Catherine Duemler	Messmore & Damon, Inc.	September 30, 1980
Merrill & Co.	Vera K. Merrill and Catherine Duemler	August 27, 1980

From	To	Date
The E.R. Merrill Springs Company	Merrill & Co.	July 27, 1977
	The E.R. Merrill Springs Company	Late 1800s

#### 4.3 Sanborn Fire Insurance Maps

Sanborn maps are one of the sources used to understand the historical use of the Site and surrounding area. Historic Sanborn Fire Insurance Maps for the years 1890, 1899, 1911, 1930, 1950, 1979, 1988, 1996 and 2005 were obtained from the 2010 Phase I ESA prepared by EBI. In accordance with ASTM E 1527-05, Section 4.7.1, information in a prior ESA may be used provided that such information was generated as a result of procedures that meet or exceed the ASTM E 1527-05 practice. EBI reports that the maps were obtained from Environmental Data Resources, Inc. (EDR). Copies of these Sanborn Fire Insurance Maps are included in Appendix B. Some of the provided maps are of poor resolution; however, a review of EBI's description is provided in the following table along with additional information from Chazen's review of these maps.

Year		Description
1890	Site	Several interconnected structures on-site identified as a machine shop.
	Surrounding Area	Iron Works facility to the west, Builder's Yard to the north and commercial stores to the east and west along West 27 <sup>th</sup> and West 28 <sup>th</sup> Streets.
1899	Site	No longer identified as a Machine Shop. Several of the structures on the West 27 <sup>th</sup> Street side are no longer shown. Northeastern Site structure labeled as stores.
	Surrounding Area	Builder's Yard adjacent east-southeast. Western Iron Works property contains a commercial structure.
1911	Site	Entire Site parcel occupied by a structure. Building use is not identified.

Year		Description
	Surrounding Area	Theatrical Scenery warehouse adjacent west, Wood Yard and Charity Organizational Society adjacent east; Sheffield Farms and Dairy to the north and a toothpaste factory to the south. Remaining surrounding uses are retail and residential and also include foundry supplies west of the adjacent theatrical scenery warehouse.
1930	Site	Ovens depicted in the southwestern half of the building, typical of foundries and metals parts manufacturing associated with identified past usage as an automobile parts manufacturer.
	Surrounding Area	The western adjacent property is occupied by a garage building. A commissary and steam laundry are shown to the south.
1950	Site	Appears similar to the 1930 map.
	Surrounding Area	The eastern/northeastern adjacent building is identified as "Auto Springs."
1979	Site	The previously observed ovens in the southwestern building section are not present.
	Surrounding Area	Motor & Truck Repair to the north, Motor Freight Station to the east, Steam Laundry and unidentified industrial buildings south and garage to the west.
1988	Site	Appears similar to the 1979 map.
	Surrounding Area	Iron yard adjacent east, laundry adjacent south/southeast, garage adjacent west, north not depicted.
1996	Site	Appears similar to the 1988 map.
	Surrounding Area	Parking and storage yard adjacent north, unidentified uses adjacent south. North and west adjacent uses same as 1988.
2005	Site	Appears similar to the 1996 map.
	Surrounding Area	Unidentified use adjacent west.

#### 4.4 Aerial Photographs

A comparative analysis using historic aerial photographs was conducted to help understand the historical use of the Site and surrounding area. Aerial photographs for the Site and surrounding

area for the years 1943, 1953, 1966, 1975, 1984, 1994 and 2006 were obtained from the 2010 EBI Phase I ESA report. EBI reports that the aerials photographs were obtained from EDR. Copies of the historic aerial photographs are included in Appendix B. Additionally a 2010 aerial orthophoto is included as Figure 3.

The photographs depict a rectangular-shaped structure occupying the entire Site parcel area. Unique features at the roof are visible including framing and skylight structures. The Site structure appears relatively unchanged from 1943 to 2010.

The Site is located in a dense industrial area setting surrounding by buildings and parking areas indicative of industrial use. The configurations of the surrounding buildings are generally consistent from 1943 to 2010.

#### 4.5 USGS Topography Maps

The 2010 Phase I ESA prepared by EBI included a comparative analysis using historic topographic maps. Maps for the years 1947, 1955, 1967, 1981, and 1995 were provided. Copies of topographic maps obtained from the 2010 ESA are included in Appendix B. EBI reports that these maps were obtained from EDR. Based on the maps, the Site area has consistent of urban development. No distinct or other notable structures are mapped on the Site or adjacent properties.

#### 4.6 City Directories

The 2010 Phase I ESA prepared by EBI included City Directory Abstract obtained from EDR. A copy of the City Directory Abstract from the 2010 report is included in Appendix B. The City Directory Abstract indicates that no listings for the Site addresses; however, the 2010 EBI report does provide Site listings, summarized in the following table. It is not known if this information was obtained from a separate City Directory search that was not appended to the 2010 report. Information on adjacent properties searched in the abstract that were noted summarized in the 2010 report are also summarized in the table. The eastern adjacent property (514 West 28<sup>th</sup> Street) and southern adjacent properties (520-534 West 27<sup>th</sup> Street) were not included in the abstract. The western adjacent property was searched for under the 536 West 28<sup>th</sup> Street address and was not found.

Year	526-532 West 28 <sup>th</sup> Street* (Site)	525-531 West 27 <sup>th</sup> Street* (Site)	529-545- West 28 <sup>th</sup> Street (North)	533-535 West 27 <sup>th</sup> & 534-536 West 28 <sup>th</sup> Streets (West)
1927	Donnelly Blanetorn & Co. Machinist, Merrill ER Springs MFRS	Donnelly Blanetorn & Co. Machinist, Merrill ER Springs MFRS	Hencken Henry Coal	Address not Identified

Year	526-532 West 28 <sup>th</sup> Street* (Site)	525-531 West 27 <sup>th</sup> Street* (Site)	529-545- West 28 <sup>th</sup> Street (North)	533-535 West 27 <sup>th</sup> & 534-536 West 28 <sup>th</sup> Streets (West)
1938	Donnelly Blanetorn & Co. Machinist, Merrill ER Springs MFRS, Manger Maud	Donnelly Blanetorn & Co. Machinist, Merrill ER Springs MFRS, Manger Maud; Conte Jos First	Address not Identified	Address not Identified
1942	Donnelly Blanetorn & Co. Machinist, Merrill ER Springs MFRS	Donnelly Blanetorn & Co. Machinist, Merrill ER Springs MFRS	Merrill WC JR B	Address not Identified
1947	Donnelly Blanetorn & Co. Machinist	Donnelly Blanetorn & Co. Machinist	Address not Identified	Address not Identified
1950	Donnelly Blanetorn & Co. Machinist, Merrill ER Springs MFRS, Merrill WM C JR B	Donnelly Blanetorn & Co. Machinist, Merrill ER Springs MFRS, Merrill WM C JR B	Address not Identified	Address not Identified
1956	Selig Paper Co., Case Stationary Co. Inc.	Selig Paper Co., Case Stationary Co. Inc.	Address not Identified	Address not Identified
1958	Brunner HK Paper & Twine, Selig Paper Co.	Brunner HK Paper & Twine, Selig Paper Co.	Address not Identified	Address not Identified
1968	Not provided	Not Provided	Emeldorf Inc. Trucking	Address not Identified
1973	Merrill WM C JR B	Merrill WM C JR B	Pittsburgh Consolidators, Pittsburgh Stores Fast Freight	Address not Identified
1978	Messmore & Damon	Messmore & Damon	Dimaggio Thos A Trucking Co.	Address not Identified
1983	Messmore & Damon	Messmore & Damon	K&D Export Import Corp.; Dimaggio Thos A Trucking Co.;	Address not Identified
1988	Messmore & Damon	Messmore & Damon	Dimaggio Trucking Co.	Address not Identified
1993	Messmore & Damon	Messmore & Damon	Address not identified	Address not Identified
1998	Messmore & Damon	Messmore & Damon	New York Builders Supply Corp., Visions in Plaster,	Address not Identified

Year	526-532 West 28 <sup>th</sup> Street* (Site)	525-531 West 27 <sup>th</sup> Street* (Site)	529-545- West 28 <sup>th</sup> Street (North)	533-535 West 27 <sup>th</sup> & 534-536 West 28 <sup>th</sup> Streets (West)
2000	Not Provided	Not Provided	NY BLDRS SUPL CRP; Visions in Plaster	Address not Identified
2006	Not Provided	Not Provided	New York Building Supply Corp.	Scores West Side 3 R

\* This information was obtained from the 2010 EBI Phase I ESA Report, but was not presented in the provided City Directory Abstract.

In addition, other surrounding (non-adjacent) properties searched included various commercial uses including trucking companies, lumber facility, towing service, locksmith, graphics companies, Handi Bag company showroom, , valve repair, Frigid Foods Products, auto facilities, studios, A1 Collision, Spence Valves and publishing companies.

#### 4.7 Municipal Records/ Local Government Interviews

##### 4.7.1 Assessor's Office

Information on file with the ACRIS database on the New York City Department of Finance website was reviewed by Chazen. These records include deeds which provided ownership history discussed in Section 4.2. Lease information is also available from the website and provided some information regarding past tenants. Past leases identified through these records include Sterling Real Estate Holding Co. (1998 to 2010); 11<sup>th</sup> Avenue Properties LLC (from 2010); and Madison Realty Capital LP (from 2008).

##### 4.7.2 Building Department

Information on file with the New York City Department of Buildings is available online through the Building Information System (BIS). These records include five complaints, seven open and nine closed violations, two open and four closed environmental control board (ECB) violations, 29 job filings and 135 actions. Copies pertinent records are included in Appendix B.

A review of these records indicates that open violations are related to construction and the elevator. The five complaints were recorded in 1960. Other records are summarized in the following table.

Year	Description of Record
1917	Demolition Permit -No specific Information
1939	Electronic sign application
1942	Oil Burner application (No. FO 331-42)

Year	Description of Record
1944	Elevator permit
1959	Gas Tank (Permit No. GT 3329-59)
1962	Gas Tank (Permit No. GT 92-62)
1900, 1952, 1972, 1982, 1985	Applications for new building
1916-1962	Plumbing permits
1941, 1942 and 1944	Permits- no specific information provided
1942, 1943, 1951, 1953 and 1959	Plumbing Repair permits
1901 through 1956	Special Reports – no specific information provided
1901, 1916 and 1917	Unsafe Building
May 31, 1918	Certificate of Occupancy (CO) for 525 West 27 <sup>th</sup> Street 1-story factory for the E.R. Merrill Spring Co.
July 16, 1962	CO - <u>West 27<sup>th</sup> Street</u> : 1 <sup>st</sup> floor garage for more than 5 motor vehicles and trucking terminal and for <u>West 28<sup>th</sup> Street</u> : cellar vacant, first floor accessory truck terminal and warehouse, second floor offices and warehouse, third and fourth floors warehouse.
August 14, 1970	CO – <u>West 27<sup>th</sup> Street</u> : Sign and Display Making, scenery construction, loading and unloading. <u>West 28<sup>th</sup> Street</u> : cellar accessory storage, first floor accessory truck terminal and warehouse and scenery construction, second floor offices and warehouse, third floor machine shop and warehouse and fourth floor warehouse.
2003-2005	Several COs for alterations including <u>West 27<sup>th</sup> Street</u> : Sign and Display making and Scenery Construction and <u>West 28<sup>th</sup> Street</u> : Storage and eating and dining establishment (cabaret)

#### 4.7.3 Planning Zoning Department

The City of New York Department of Planning website indicates that the Site is located in the C6-3 Commercial District within the West Chelsea District. The 1964 Zoning map available through this website indicates that the past zoning for the Site was in the M1-5 district (manufacturing). The Site and surrounding vicinity is identified as E Designation with special requirements for underground gasoline storage tanks and Window Wall Attenuation and Alternate Ventilation. In addition, Chazen submitted a Freedom of Information Law (FOIL) request to the Department of Planning on March 22, 2013. To date, there has been no response to the FOIL request.

#### 4.7.4 Fire Department

A request for information was sent to the City of Fire Department on March 22, 2013 for information regarding past and present underground petroleum tanks. There has been no response as of the date of this report. If pertinent information is received, it will be forwarded under separate cover.

### **4.8 Owner, Operator and Occupant Interviews**

#### 4.8.1 Property Owner/Key Site Representative

Emily Pereira of Chazen interviewed the owner of the property, Mr. Neal Schwartz, managing member of RN Realty LLC on the telephone on April 9, 2013. Mr. Schwartz provided pertinent information regarding the Site which has been included in the appropriate sections of this report. The information provided by Mr. Schwartz did not indicate potential recognized environmental conditions.

Through his research, Mr. Schwartz indicated that he understands that the property was built as two buildings, the 27<sup>th</sup> Street structure was built in 1913, and the 28<sup>th</sup> Street structure was built in 1916. Through the years he understands that the property was owned by the Spring Co. Mr. Schwartz indicated that he purchased the property in 1998 from Messmore Studios. Messmore Studios has stored props and conducted movie and television shoots in the building. Mr. Schwartz indicated that the past owner, Frances Messmore, passed away in 1997 and that his wife passed away circa 2003. When he purchased the Site in 1998, the building had been using natural gas for hot water and electric for heat. He is not aware of past oil usage on the Site and is not aware of tanks, spills, hazardous substances stored or used at the Site. When he purchased the Site in 1998, he used it as a warehouse for a packaging supply company and then renovated the building in 2002 to 2003 for use as two nightclubs and office space. He indicated that approximately 90 percent of the building interior was renovated and that exterior renovations included a roof replacement.

#### 4.8.2 Current Operators and/or Site Occupants

The current operator of the Site, Neal Schwartz was interviewed by Chazen on April 9, 2013 (see above). There are no current occupants.

### 4.8.3 Past Owners, Occupants, and Operators

ASTM E 1527-05 states that interviews be conducted with past owners, operators, and occupants who are likely to have material information regarding the potential for contamination at the property to the extent that 1) they have been identified and 2) the information likely to be obtained is not duplicative of information already obtained from other sources.

Identified past owners, operators, and occupants included Messmore & Damon, Inc. and E.R. Merrill Spring Company. Information from Mr. Neal Schwartz, confirmed with an on-line search, indicated that the prior owner, Francis Messmore, has passed away. The on-line search revealed that Mr. Messmore was the former president of Messmore & Damon Inc., a scenery-design firm prominent in the early days of animatronics. Mr. Messmore was present during a site visit for a 1997 ESA conducted of the Site; however, the 1997 report does not discuss an interview with Mr. Messmore. An employee at the Site in 1997, Mr. Hampton Smith, was also interviewed during the 1997 ESA regarding observed floor drains observed in the building. Mr. Smith reportedly did not know the purpose of an identified pit, nor did he know if observed filled-in holes were the locations of former floor drains. He was aware of a drain next to a doorway that received water that would enter the doorway, but was unaware of its discharge point. The specific location of this doorway drain was not detailed in the 1997 report.

Available information obtained through a review of deeds and on-line searches indicate E.R. Merrill Spring Co. and various subsidiaries owned and occupied the property from the late 1800s. Vera K. Merrill and her daughter, Catherine M. Duemler sold the property to Messmore & Damon in 1980. An on-line search suggests that Ms. Merrill passed away in 1992. Ms. Duemler was identified as residing in Westhampton Beach, New York. A phone number was not identified for Ms. Duemler. An Owner Questionnaire was mailed to the Westhampton address. A copy of the completed questionnaire was not received in time for inclusion in this report. If a response is received, in which pertinent information about the Site is provided, then it will be forwarded under separate cover. On-line research indicates that E.R. Merrill Spring Co. was a manufacturer of parts for automobiles and Sherman tanks. Metal parts manufacturing on the Site would be consistent with the historical foundry operations on the Site indicated in the 2010 ESA by EBI.

Listed past tenants identified through lease information include 11<sup>th</sup> Avenue Properties LLC (starting in 2010) and Madison Realty Capital, LP (starting in 2008). No contact information was provided for these tenants. However, site visit observations confirm the Site is unoccupied. Activities associated with the previously occupied night clubs and office space are not considered likely to be associated with recognized environmental conditions.

## **4.9 Previous Environmental Investigations**

A Phase I ESA was prepared by EBI Consulting on October 2010 for the Site. Historical use information about the Site is also referenced in the appropriate sections of this report. The 2010 report also references an August 1997 ESA for the Site and provides a partial copy of the 1997 report. A summary of the prior ESAs follows.

### 2010 Phase I ESA prepared by EBI Consulting

The 2010 ESA identified past uses of the Site to include machine shops, a foundry, manufacturing, storage, office use and a night club. The Site was identified as being located in a "E" Designation area by the New York City Planning Department. This designation indicates that a site has been recognized to be potentially impacted by hazardous materials and/or air emissions. EBI reports that the apparent cause for this designation is the area's long history of manufacturing use. During EBI's site reconnaissance, they identified a self-contained diesel-fuel fired pump associated with the sprinkler system in the building's basement. They also identified various aerosol cans and five gallon containers in the basement that appeared to be in good condition. EBI's report references a 1997 Phase I ESA that documents an aboveground storage tank (AST) in the basement. EBI did not locate an AST, but identified an L-shaped brick wall at the northeastern basement corner. A pipe sleeve was observed penetrating this brick wall with a visible oil-like liquid in the pipe and staining on the cement floor beneath it.

EBI's findings and opinions included the following (this summary excludes non-scope items as defined by ASTM E 1527-05):

- The brick wall and pipe with oil-like liquid was suspected to contain the AST documented in the 1997 ESA. No floor drains, cracks, penetrations or other potential pathways to the subsurface were observed in the area of the staining.
- The Site was identified as E Designation-Underground Gasoline Storage Tank Testing Protocol. The presence of this designation means that the NYC Department of Environmental Protection (NYCDEP) is required to review and approve environmental conditions at the Site before redevelopment of the Site can take place. (Chazen notes that the E Designation Program falls within the jurisdiction of the NYC Office of Environmental Remediation [OER]).
- The Site owner reports that interior finishes were removed and replaced during a full building renovation in 2002. EBI notes that because of the renovation, a survey for asbestos containing materials (ACM) was not conducted. (Chazen notes that asbestos is not a scope item under ASTM E 1527-05). However, EBI identified suspect ACMs as coating on an abandoned condensate vessel in the basement and pipe insulation identified in the 1997 ESA.

Although not listed as a finding, the EBI report also identified several sites through environmental regulatory database review in the surrounding area. Based on various data, EBI concluded that the identified regulatory database sites are unlikely to represent an environmental concern for the Site.

### 1997 Phase I ESA prepared by Foster Wheeler Environmental Corporation

The 1997 Phase I ESA was briefly summarized in EBI's 2010 report and portions of the 1997 report were appended to the 2010 report. A summary of the 1997 ESA follows.

The report was completed in general conformance with the 1997 version of ASTM E 1527. The following information was presented in the report:

- At the time of the site visit, the Site was improved with one brick building containing four stories at the front and one story at the back, and was approximately 90 years old.
- At the time of the inspection, the structure was being used for the storage of materials and props for theater and movie sets. One fuel oil AST was identified in the basement, the specific location was not identified. No underground storage tanks (USTs) were reported.
- Historical resources dating back to 1890 identified a machine shop on the Site prior to 1911 and that by 1911 the Site and adjoining property had become a production building and warehouse for theatrical scenery. (EBI notes that they identified a foundry, machine shop and manufacturing usage at the Site building until the 19870s).
- Floor drains were identified on the first floor and all but one were sealed with concrete. A 15-foot by five-foot by one-foot deep pit was located in the cellar; its purpose was unknown.
- A former spray booth and painting area were noted the first floor. Numerous containers were documented throughout the facility, primarily in this painting area. Containers included one gallon of toluene, paint and painting materials, degreaser/cleaner products and adhesives. Spray paint booths with ventilation equipment were also present.
- Several pipes were located throughout the building reportedly associated with the heating system at that time and some insulated piping was noted. Suspect ACMs and lead-based paint were noted.
- The Site was not listed on reviewed regulatory databases.
- No recognized environmental conditions were identified and no further action or investigation was recommended.

## 5.0 ENVIRONMENTAL REGULATORY AGENCY RECORD REVIEW

The environmental regulatory agency record review conducted by Chazen consisted of database searches of ASTM standard sources (Section 5.1) as well as supplemental databases (Section 5.2), and interviews with regulatory agency personnel (Section 5.3). A copy of the database search conducted by EDR for Chazen is provided in Appendix C. For sites whose locations could not be mapped by EDR (i.e., “orphan sites”), Chazen attempted to locate these sites through the use of maps, site reconnaissance or other means; as appropriate, these sites are included in their respective regulatory agency record section. Likewise, conflicting or supplemental information obtained during the site reconnaissance or from interviews is discussed where appropriate below.

### 5.1 Standard ASTM Environmental Record Sources

The United States Environmental Protection Agency (USEPA) and New York State Department of Environmental Conservation (NYSDEC) regulatory agency record sources listed below and their corresponding search distances were reviewed per ASTM E 1527-05. Results of the review are summarized in the table below and additional information, where sites were identified, is provided in the subsequent text.

Standard ASTM Environmental Record Sources

Database	Search Distance	Sites Listed Within Search Distance (Yes/No)
USEPA National Priorities List (NPL)	1.0 mile	Yes
USEPA Delisted NPL	0.5 mile	No
USEPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) List	0.5 mile	Yes
USEPA CERCLIS No Further Remedial Action Planned (NFRAP) List	0.5 mile	Yes
USEPA Resource Conservation and Recovery Act (RCRA) CORRACTS Facilities List	1.0 mile	No
USEPA RCRA non-CORRACTS Treatment, Storage and/or Disposal (TSD) Facilities List	0.5 mile	No
USEPA RCRA Generators List	site & adjoining	No
USEPA Institutional Control/ Engineering Control Registries	site only	No
USEPA Emergency Response Notification System (ERNS) List	site only	No

Database	Search Distance	Sites Listed Within Search Distance (Yes/No)
State and Tribal Registries of Hazardous Waste Sites (NPL equivalent)	1.0 mile	No
State and Tribal Registries of Hazardous Waste Sites (CERCLIS equivalent)	0.5 mile	No
State and Tribal Landfill and Solid Waste Disposal Site List	0.5 mile	Yes
State and Tribal Registered Storage Tank List	site & adjoining	Yes
State and Tribal Spills Database - Leaking Storage Tank Events (LUSTs)	*0.25 mile	Yes
State and Tribal Institutional Control/ Engineering Control Registries	site only	No
State and Tribal Voluntary Cleanup Sites	0.5 mile	No
State and Tribal Brownfield Sites	0.5 mile	Yes

\*The search distance for the NYS Spills database has been reduced from 0.5 to 0.25 mile due to the urban nature of the Site area, as allowed by ASTM E 1527-05.

### 5.1.1 Federal

#### Federal NPL Sites

A review of the United States Environmental Protection Agency (USEPA) National Priorities List (NPL) for Region II identified one site within 1.0 mile of the subject Site. The NPL site is identified as Hudson River PCBs. This NPL includes an approximate 200-mile stretch of the Hudson River from Fort Edward, New York down to the Battery in New York City. River sediments have been impacted by PCBs from capacitor manufacturing plants operated by GE in the Village of Hudson Falls and the Town of Fort Edward. Given that the Hudson River is not adjacent to the Site, the Site is not likely to have been adversely impacted by PCB-containing river sediments.

#### Federal CERCLIS List

The USEPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list of federal hazardous waste sites includes one such property within 0.5 mile of the Site. The CERCLIS site is identified as Hudson River PCBs described above.

Additionally, the CERCLIS No Further Remedial Action Planned (NFRAP) list was reviewed and includes one such listing within 0.5 mile of the Site. The CERCLIS-NFRAP site is identified as

Manhattan General Mail Factory located at West 29<sup>th</sup> Street and 9<sup>th</sup> Avenue, approximately 0.25 mile to the east/northeast of the Site. No specific information regarding this listing is provided; however, this property achieved NFRAP status in 1993. Based on the NFRAP status, it is not considered likely that this CERCLIS-NFRAP site will have an adverse impact on soil, groundwater, or soil vapor quality at the Site.

### 5.1.2 State and Tribal

#### State and Tribal Landfills and/or Solid Waste Disposal Site Lists

NYSDEC's Facility Register of Solid Waste Disposal Facilities and Landfill (SWF/LF) Sites was reviewed as was the Report on the Status of Open Dumps on Indian Land (ODI). Two SWF/LF facilities are listed within 0.5 mile of the Site.

Red Ball Interior Demolition is located at 625 West 29<sup>th</sup> Street, approximately 706 feet northwest of the Site. This is an inactive transfer station. Con Edison located at West 28<sup>th</sup> Street and 281 11<sup>th</sup> Avenue is located approximately 910 northwest of the Site and is an inactive construction and demolition (C&D) processing facility. Both facilities are located down gradient of the Site and are, therefore, considered not likely to have adversely impacted soil, groundwater, or soil vapor quality at the Site.

#### State and Tribal Registered Storage Tanks

NYSDEC's Petroleum Bulk Storage (PBS) database and Chemical Bulk Storage (CBS) databases were reviewed for storage underground storage tank (UST) and aboveground storage tank (AST) sites. The Site was not identified as a regulated PBS or CBS facility. Hart Realty located on the southeastern adjacent property at 520 West 27<sup>th</sup> Street is identified as an unregulated PBS facility (PBS ID 2-480711). Tanks at this adjoining property were reportedly closed prior to March 1991. No spill was identified for this adjacent site associated with former USTs. There is no Tribal database for UST sites on Indian Land for USEPA Region 2.

#### State and Tribal Leaking Underground Storage Tanks

The NYSDEC's Spills Information database was reviewed to obtain information on Leaking Underground Storage Tank (LUST) events for underground chemical or petroleum storage tanks. LUST events are a subset of events contained in the spills database where the release originated from an underground storage tank (UST). No Tribal LUST database exists for USEPA Region 2. No LUST-related spills were reported for the Site; however, 62 LUST sites are located within 0.25 mile of the Site. Spills reported for adjacent and nearby active upgradient spill locations are summarized in the following table. There is insufficient information to conclude whether these LUSTs have impacted Site soil, groundwater, and/or soil vapor quality.

Spill Location	Spill No.	Description	NYSDEC Closure Yes/No
537 West 27 <sup>th</sup> St. – 55 feet west (down gradient)	0801913	Three 1,000-gallon USTs identified during excavation for redevelopment. Referred to pre-existing Spill No. 0613440	Yes- May 20, 2008
537 West 27 <sup>th</sup> St. – 55 feet west (down gradient)	0806482	During excavation found oil and sheen on water. Diesel USTs previously removed. Referred to pre-existing Spill no. 0613440	Yes- September 9, 2008
	0807436	Three tanks discovered, two leaked oil. Other existing spills for the Site. Groundwater at 10 feet. Referred to pre-existing spill 0613440	Yes – October 8, 2008
	0613440	Several buried tanks removed. Some contaminated soil could not be removed, so will be treated in place. More tanks found in 2008. Five permanent wells installed. Tank Closure Report received December 20, 2011. Down gradient well contained benzene at 471 parts per billion and other VOCs above standards. Sub-slab venting system. Two rounds of groundwater sample results indicate that dissolved groundwater contamination has been significantly reduced, but are present at low levels exceeding standards, including in upgradient wells suggesting that contamination may be migrating from offsite sources.	December 20, 2011
Former gas station- 327 10 <sup>th</sup> Ave.- 0.087 mile east-northeast (up gradient)	0701228	Soil contamination discovered during Phase II. Six USTs discovered. Gross soil contamination. Investigation work needed. MTBE at 471 parts per billion in the most downgradient well at an investigation of the adjacent property.	No
500 West 30 <sup>th</sup> Street- 537 feet northeast (up)	1114471	11 tanks removed with contaminated soil. Endpoint samples showed low level VOCs and SVOCs. Site being redeveloped and will have vapor barrier. Historically	Yes – September 6, 2012

Spill Location	Spill No.	Description	NYSDEC Closure Yes/No
gradient)		groundwater showed low level chlorinated VOCs from the adjacent site. A CVOV plume track down investigation is being conducted.	
Heliport, West 30 <sup>th</sup> Street – 0.198 mile east (up gradient)	8903684	Test tank failure of a 550-gallon jet fuel UST.	No
NY Clearing House 450 West 33 <sup>rd</sup> Street - 0.23 mile East/Northeast (up gradient)	1205721	Tank Test Failure of a No. 2 fuel oil UST.	No

Based on available information including nature of the release, distance, topographically downgradient spill location/presumed groundwater flow direction and/or NYSDEC spill closure status, the remaining 54 offsite spills are not expected to have adversely impacted groundwater, soil or soil vapor quality at the Site.

#### State and Tribal Voluntary Cleanup Sites

NYSDEC’s Voluntary Cleanup Program (VCP) list includes one such site within 0.5 mile of the subject Site. No tribal VCP database exists for USEPA Region 2.

The VCP site is identified as CE-E 19<sup>th</sup> Street Station located at 524 East 19<sup>th</sup> Street, approximately 0.398 mile south-southwest and downgradient of the Site. Based on the topographically down gradient locations and that contaminant concentrations are in compliance with ambient groundwater quality standards, this VCP is not likely to have adversely impacted soil ,groundwater, or soil vapor quality at the Site.

#### State and Tribal Brownfields Sites

Brownfields sites are any real property where redevelopment or re-use may be complicated by the presence of a hazardous waste, petroleum, pollutant or contaminant. Six NYSDEC Brownfields sites were identified within 0.5 mile of the Site. There is no Tribal Brownfields database.

One of the BCP sites is located at West 28<sup>th</sup> Street and 505 West 27<sup>th</sup> Street (Site Code 477443). This BCP site is located approximately 175 feet southeast of the subject Site and was historically used for residential, laundry cleaning, metal works, various manufactures, auto repair, and a scrap yard. Regional groundwater flow is reported to be to the west. Information submitted

with the BCP application is under review and no other detailed information was provided. Additionally an on-line search for this BCP site on the NYSDEC website did not identify this site. There is insufficient information to assess whether this BCP site has impacted soil, groundwater, or soil vapor quality at the Site.

Based on available information, including completed remedial status, downgradient location, and/or nature of impacts, the remaining five BCP sites are not likely to have adversely impacted groundwater, soil or soil vapor quality at the Site.

## 5.2 Supplemental Non-ASTM Environmental Record Sources

The EDR report includes several databases that are not part of the ASTM standard environmental record sources. Two supplemental databases listed below were reviewed for sites within the corresponding search distances.

### Supplemental Non-ASTM Environmental Record Sources

Database	Radius	Sites Listed Within Search Distance (Yes/No)
NYSDEC Spills Information Database	0.25 mile	Yes
NYSDEC Major Oil Storage Facilities (MOSFs)	0.5 mile	No

### State Spills List

NYSDEC's Spills Information Database lists releases of hazardous substances and petroleum products. LUST or Leaking Tank sites were discussed previously. Based on a review of the spills database, 131 surficial spill events (excluding LUSTs and Leaking Tanks) were identified as having occurred within 0.25 mile of the Site.

The majority of these releases are not expected to adversely impact the Site based on available information including the nature and quantity of the release, topographically downgradient location, and/or NYSDEC spill closure status.

Two close-proximity and up gradient open spill cases are summarized in the following table.

Spill Location	Spill No.	Description	NYSDEC Closure Yes/No
509 West 28 <sup>th</sup> St. - 0.026 mile east (upgradient)	1205473	Unknown petroleum release reported in August 2012. No other spill information provided.	No
Commercial Property- 319-325	0700172	Contaminated soil encountered during a Phase II investigation. The site is in an E	No

Spill Location	Spill No.	Description	NYSDEC Closure Yes/No
10 <sup>th</sup> Ave. -0.086 mile east		Designation zone and will be monitored by the DEP. (LUST spill later reported for adjacent gas station – See Spill 0701228 in Section 5.1.2).	

### 5.3 Tier I Vapor Encroachment Screen

A Tier I Vapor Encroachment Screen was conducted in accordance with ASTM E 2600-10: Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions. In this case, the practice is being used as a supplement to E 1527-05. The objective of the vapor encroachment screen is to identify if a vapor encroachment condition (VEC) exists on the Site. A VEC is determined by the presence or likely presence of ASTM E 2600-10 specified chemicals of concern vapors in the subsurface of the site that area caused by the release of vapors from contaminated soil and/or groundwater either on or near the Site.

The Tier I Screening is an initial, non-invasive screening which utilizes information collected through the Phase I ESA process including standard environmental records sources, physical setting sources and current and historic use information and uses of properties in the surrounding area.

The regulatory agency record sources listed below and their corresponding search distances were also reviewed per ASTM E 2600-10 for the area of concern.

#### Standard ASTM E 2600-10 Tier 1 Environmental Record Sources

Database	ASTM E 2600-10 Specified Chemicals of Concern	Petroleum Hydrocarbon Chemicals of Concern	Identified Yes/No
USEPA NPL Site List	1/3 mile	1/10 mile	No
USEPA CERCLIS List	1/3 mile	1/10 mile	No
USEPA RCRA CORRACTS Facilities List	1/3 mile	1/10 mile	No
USEPA RCRA non-CORRACTS TSD Facilities List	1/3 mile	1/10 mile	No
USEPA RCRA Generators List	Site Only	Site Only	No
USEPA Institutional Control/Engineering Control Registries	Site only	Site only	No

Database	ASTM E 2600-10 Specified Chemicals of Concern	Petroleum Hydrocarbon Chemicals of Concern	Identified Yes/No
USEPA ERNS List	Site only	Site only	No
NYSDEC and Tribal Registries of Inactive Hazardous Waste	1/3 mile	1/10 mile	No
NYSDEC and Tribal Spills Database - Leaking	1/3 mile	1/10 mile	Yes
NYSDEC and Tribal Petroleum and Chemical Bulk Storage	Site only	Site only	No
NYSDEC and Tribal Registry of Active and Inactive State Landfills and Solid Waste Disposal Facilities List	1/3 mile	1/10 mile	Yes
NYSDEC and Tribal Institutional Control/ Engineering Control	Site only	site only	No
NYSDEC and Tribal Voluntary Cleanup Sites	1/3 mile	1/10 mile	No
NYSDEC and Tribal Brownfield Sites	1/3 mile	1/10 mile	Yes

The results of the Tier 1 VES indicate that a vapor encroachment condition is likely.

Potential on-site sources for contaminated vapor encroachment

There were no on-site sources identified in the public regulatory databases for potential vapor encroachment. However, permits recorded with the New York City Department of Buildings suggest that gasoline tanks were installed at the Site in 1959 and 1962 on the West 27<sup>th</sup> Street side. It is unknown if these tanks still exist or if there had been releases associated with these past tanks. In addition, a 1997 ESA for the Site identified a petroleum AST in the building. A subsequent 2010 ESA did not locate the AST, but identified a cut off pipe in the basement with an oil-like substance dripping and staining on the concrete floor below. The 2013 reconnaissance by Chazen confirmed this pipe and staining.

During a 1997 ESA conducted for the Site, paint spray booths were observed on the Site and various paint related chemicals, including toluene and degreasers were noted. Former handling and waste disposal practices involving these chemicals are not known.

The possible presence of gasoline USTs on the Site and potential for an undiscovered release is a potential VEC. The oily concrete staining is de minimis and less likely to cause a VEC. Chazen notes, however, that while the presence of a petroleum release is considered a VEC, petroleum compounds such as gasoline and those formerly used to heat the building, are not regulated by the New York State Department of Health as vapors of concern.

Releases of degreasing chemicals to the Site, if they occurred, may cause a VEC.

Potential off-site sources for contaminated vapor encroachment

A review of regulatory environmental databases has identified two SWF/LF sites and three BCP sites within 1/3 mile from the Site, 23 off-site petroleum LUSTS were identified within 1/10 mile and one COC LUST within 1/3 mile of the Site. In addition, 46 petroleum-related surficial spills were reported within 1/10 mile and three COC-related surficial spills were reported within 1/3 mile. Identified regulatory database sites are discussed previously in Sections 5.1.1 and 5.1.2.

- The SWF/LF sites are not expected to cause a VEC for the Site.
- Limited information is reported for the nearby BCPs; however, the 505 West 27<sup>th</sup> Street BCP site is located only 175 feet from the Site and historic uses are reported to include laundry cleaning, auto repair and manufacturing. This upgradient BCP site is a potential VEC for the Site.
- One of the LUSTs reported (Spill 114471) occurred approximately 637 feet east-northeastern and upgradient of the Site. The petroleum spill was granted closure by the NYSDEC; however, the spill report indicates that chlorinated VOCs were historically shown in groundwater and that an investigation to track down the CVOC plume is being conducted. This CVOC plume is a potential VEC for the Site; however, Chazen notes that due to the urban location of the Site and the presence of several underground utilities and the subway, VOC vapors will follow the most preferential pathway and that VOC vapors from this upgradient site may or may not reach the Site.
- Several petroleum-related LUSTS/spills were also reported adjacent to or in close proximity of the Site, and remain either open on the Spills database, or have been granted closure with impacts exceeding groundwater quality standards. One of these spills is only 55 feet west of the Site and the spill report suggests a possible off-site source due to the presence of impacts above standards in upgradient wells. This suggests a potential VEC for the Site; however, it is noted that the New York State Department of Health does not currently recognize petroleum compounds as chemicals of concern for vapor intrusion.
- One of the COC surficial spills was reported approximately 0.26 mile up gradient of the Site and involved the release of 5,000 pounds of dichlorodifluoromethane. The spill was closed in 1996. The distance of this surficial release suggests that it is not a VEC for the Site.

Additionally, surrounding area history also identifies a significant amount of industrial and auto repair operations for adjacent and nearby properties suggesting past petroleum and other chemical usage and, therefore, the historical uses of the surrounding area is considered a potential VEC for the Site.

## **5.4 Information from Regulatory Agency Officials**

### **5.4.1 New York City Department of Environmental Protection**

Under the Freedom of Information Law (FOIL), a request for information was sent to the NYCDEP for information regarding the Site on March 21, 2013. The NYCDEP responded on April 3, 2013 that the request will be handled as expeditiously as possible, but may be delayed due to the large volume of such requests.

### **5.4.2 New York State Department of Environmental Conservation**

Under the FOIL, a request for information was sent to the NYSDEC Region 2 for information regarding the Site. The NYSDEC responded that no records were located for the Site under the names and addresses provided.

## 6.0 SITE RECONNAISSANCE

The following presents the conditions of the Site observed during the March 2013 site reconnaissance. Chazen notes that the Site conditions observed remain relatively unchanged from the conditions documented in the 2010 Phase I ESA prepared by EBI.

### 6.1 Conditions of Reconnaissance

	Location and Description
Site Contacts Present During Reconnaissance	Larry Greenburg, Prospective Purchaser
Date of Reconnaissance	March 22, 2013 conducted by Kevin McGrath of Chazen.
Areas Observed	Interior- The interior was observed and included the general office use areas, to nightclubs (which occupy all four stories of the West 28 <sup>th</sup> Street building side), mezzanine and mechanical areas and the partial basement.
	Exterior – The Site building encompasses the entirety of the property tax parcel. The eastern, northern and southern facades of the building were observed. The western wall of the building is immediately adjoined by the western adjacent building.
Limitations to Reconnaissance	The site reconnaissance was limited in that the interior of the building was dimly lit and the configuration is complex. Every effort was made to inspect through visible doorways and crevices; however, without a floor plan for the building, it is uncertain if all areas of the building were accessed.

## 6.2 Chemical and Petroleum Substances

Container Type	Identified Yes/No	Location and Description
Bulk Storage Tanks	No	<p>However, the L-shaped cinder block wall noted in the 2010 EBI ESA was observed in the basement at the northeastern building corner. The reported pipe and oil-like substance and related surface concrete staining were also noted. A view through a hole in the wall revealed that the vault is appears to be filled with broken concrete pieces.</p> <p>In addition, a 500-gallon per minute diesel fuel fired pump associated with the sprinkler system is located in the basement. The diesel fuel storage is self-contained within the pump mechanism.</p>
Raw Product Drums and Containers	Yes	Two flammable storage cabinets were noted in the basement of the building. These cabinets contained latex and oil-based paint and related materials (distillates).

## 6.3 Site Waste Profile

Waste Type	Identified Yes/No	Location and Description
Solid Waste	No	
Waste Sludge	No	
Waste Liquids	No	
Waste Containers	No	
Wastewater Discharges	No	
Waste Pits, Ponds or Lagoons	No	

#### 6.4 Site Drainage

Drainage Type	Identified Yes/No	Location and Description
Catch Basins	No	
Floor Drains	No	The pit reported in the 1997 ESA was reportedly filled in 2002 and was not observed.
Dry Wells and Sumps	Yes	Sumps and sump pumps are located in the basement and were reportedly installed in 2002 during the renovation of the building. These sumps reportedly drain to the municipal sewer system. No staining or evidence of a release was observed in the sumps.

#### 6.5 PCB-Containing Equipment

Transformers and other electrical equipment or hydraulic equipment dated 1979 or earlier may contain polychlorinated biphenyls (PCBs). No evidence of these types of electrical equipment was noted on the property. A freight elevator exists in the building; however, the elevator doors were sealed closed and access was not provided to the equipment room to confirm whether or not there is a hydraulic motor. .

## 7.0 EVIDENCE OF POTENTIAL/KNOWN SITE CONTAMINATION

Type of Contamination	Identified Yes/No	Location and Description
Soil or Surface Staining	Yes	A small (less than one foot diameter) area of staining on the concrete basement floor was noted beneath a disconnected pipe protruding from a brick wall/suspect tank containment area at the northeastern corner of the basement. The staining is de minimis and no evidence of cracks, drains or other penetrations to the subsurface were observed.
Fill of Unknown Origin	No	
Liquid Discharges or Contaminated Surface Water	No	
Soil or Surface Disturbances	No	
Stressed Vegetation	No	
Waste Deposits (piles, pits, landfills, lagoons)	No	
Odors	No	

## **8.0 REPORT FINDINGS, OPINIONS AND CONCLUSIONS**

The Chazen Companies have completed a Phase I Environmental Site Assessment ("Phase I ESA") in conformance with the scope and limitations of ASTM Practice E 1527-05 on the RN Realty L.L.C. Property located at 525-531 West 27th and 526-532 West 28th Streets in the Borough of Manhattan, New York County, New York. Any exceptions to, or deletions from, this practice are described in Section 1.0 of this report.

This assessment was performed during the months of March and April 2013 and was comprised of a site reconnaissance by Chazen, interviews with individuals knowledgeable of the property, and a regulatory and historical information review.

The Site contains two interconnected buildings that encompass the entire 0.45-acre lot. The building is developed as two nightclubs, offices and storage space but is unoccupied. Past Site uses include warehousing, storage and building for theatrical scenery, manufacturing of automobile springs/parts, a foundry, and machine shop.

### **8.1 Findings and Opinions**

Provided below is a summary of the findings identified through this ESA and opinions as to the potential impact of these findings to the Site. The identified findings include known and potential recognized environmental conditions (RECs), historic recognized environmental conditions (HRECs), significant data gaps (SDGs), and de minimis conditions.

The opinions below provide the environmental professional's rationale for concluding whether a condition is currently a recognized environmental condition. Only conditions identified by the environmental professional as recognized environmental conditions are listed in the subsequent Conclusions section of the report.

- Identified past Site usage includes a machine shop, an automobile parts manufacturer (E.R. Merrill Spring Company), a reported foundry (likely associated with parts manufacturing), and a trucking terminal. An on-line search revealed that one of the past owners of this company is deceased. A request for interview was submitted via mail to the second former owner; however, a response has not been received. Chemical handling and waste disposal practices associated with the past manufacturing operations are not known and thus are a Significant Data Gap (SDG).
- Permit records on file with the New York City Department of Buildings suggest that gasoline tanks were installed in 1959 and in 1962 on the West 27<sup>th</sup> Street side of the Site. Available information did not reveal the exact location of these tanks or whether they have been removed. A freight elevator exists in the building; however, the elevator doors were sealed closed and access was not provided to the equipment room to confirm whether or not there is a hydraulic motor. There is a potential for subsurface releases associated with old or historic tanks and elevator lifts; therefore this is an SDG.

- A 1997 ESA for the Site identifies a fuel oil AST on the Site, but does not detail its location. A wall/vault area and cut off pipe with oil staining was noted in a subsequent 2010 ESA and during the 2013 reconnaissance. While the de minimis staining is confined to concrete and is not a REC. However, the unconfirmed presence and condition of a possible tank/source of the dripping oil is an SDG.
- Past Site operations involved the construction of theatrical scenery. A 1997 ESA of the Site identified toluene and degreasers located primarily in a former paint booth area. Past handling and waste disposal practices associated with these types of chemicals was not reported in the 1997 ESA and is unknown since no past owner interview could be conducted as the former owner of this facility is deceased. This is an SDG.
- A 1997 ESA identified former floor drains and a pit inside the building. The uses/discharge points were not known. During a 2010 ESA, these structures were not observed and were reported to have been sealed. They were not observed during the 2013 site reconnaissance. The unknown uses and discharges of past drainage structures is an SDG given the historical manufacturing use of the Site.
- The adjacent and surrounding area have a history of industrial use including auto repair garages, trucking terminals, a laundry facility, iron works, etc. In addition, several adjacent and nearby facilities have been identified on various environmental regulatory databases. These include an up gradient Brownfields site that was operated as several industrial uses including a laundry facility and machine shop, and also include several spills of petroleum and chemicals that are either open on the NYSDEC spills database or have been closed with constituent exceedences of groundwater quality standards and. Based on past surrounding uses, and environmental regulatory database review, it is possible that groundwater impacts exist beneath the Site from adjacent uses, primarily associated with petroleum and chlorinated solvent compounds; however, this potential is considered an SDG due to the lack of Site specific soil and groundwater quality data. In addition, these nearby site conditions result in a vapor encroachment screening determination that a vapor encroachment condition is likely, which is also an SDG.

## 8.2 Conclusions

The Chazen Companies have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of the RN Realty L.L.C. property. Any exceptions to, or deletions from, this practice are described elsewhere in this report.

This assessment has revealed no signs of recognized environmental conditions (as defined under ASTM E 1527-05) regarding the Site.

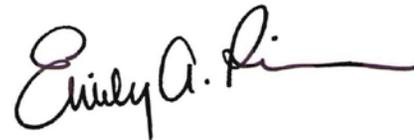
Significant data gaps that were encountered during the course of this Phase I ESA which may require further investigation to determine whether or not a REC exists include the following:

- Chemical handling and waste disposal practices associated with the past activities on the Site, including automotive/metals parts manufacturing and degreasing chemicals associated with theatrical scenery construction, are not known.
- The exact location and current presence of gasoline tanks on the Site are not known. There is a potential for subsurface releases associated with old or historic tanks on the Site.
- The unconfirmed presence and condition of a possible tank/source of the dripping oil in the basement.
- The unknown uses and discharges of past drainage structures (e.g., floor drains and pits) given the historical manufacturing use of the Site.
- Groundwater impacts may exist beneath the Site from adjacent historical industrial uses and releases identified through environmental regulatory database review. Such impacts also suggest that a vapor encroachment condition is likely for the Site.

## 9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

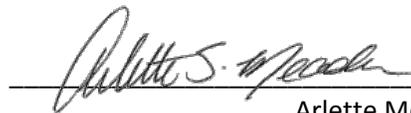
We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



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Emily A. Pereira  
Senior Environmental Scientist



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Arlette Meader  
Senior Environmental Scientist/Project  
Manager

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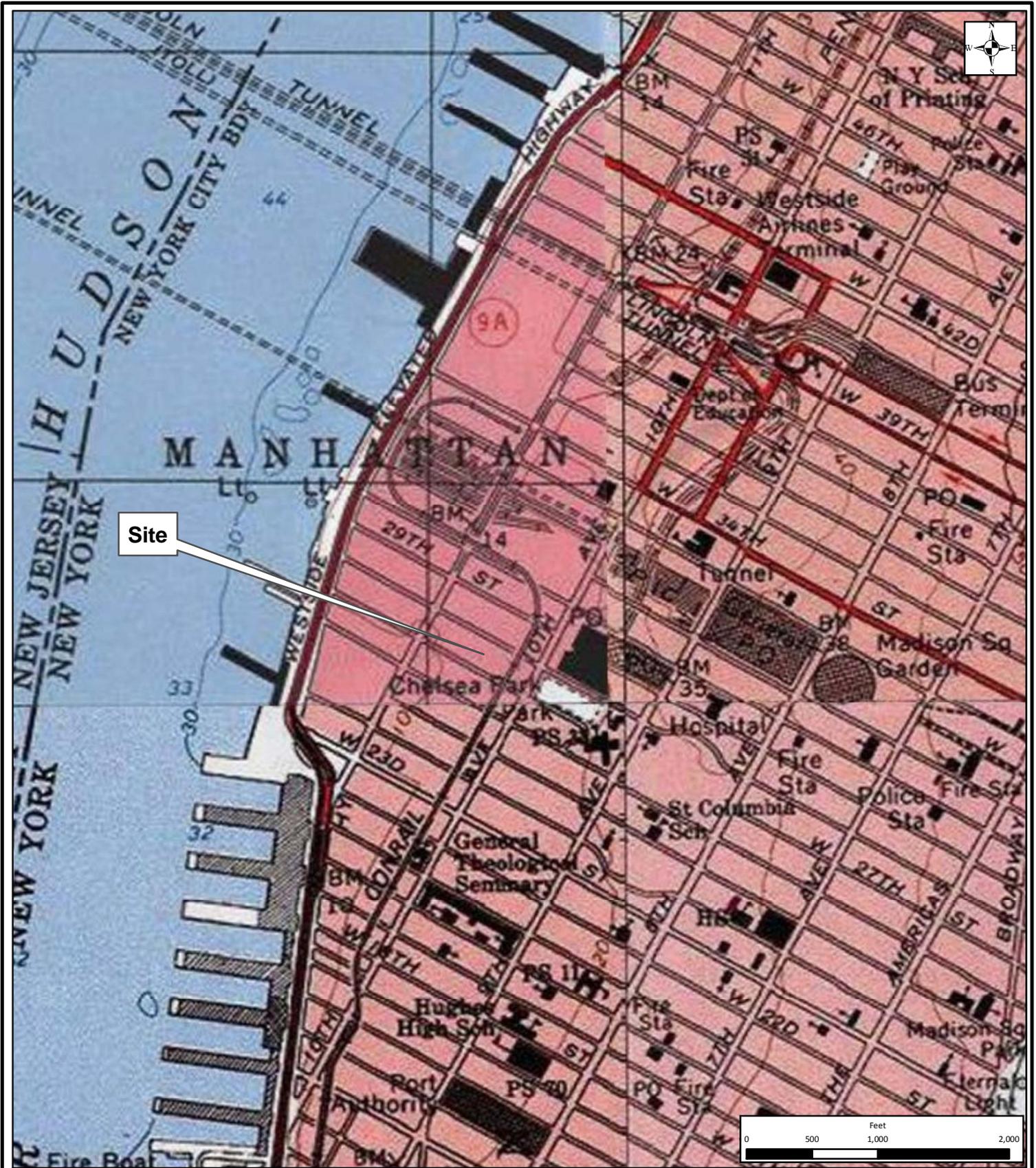
## LIST OF PEOPLE AND AGENCIES CONTACTED

1. Site User, Larry Greenburg, Director Construction & Facilities Management, Centaur Properties LLC
2. Neal Schwartz, Managing Member RN Realty L.L.C., Property Owner
3. New York State Department of Environmental Conservation
4. New York City Department of Environmental Protection
5. New York City department of Buildings, Building Information System Database.
6. New York City Planning Department
7. New York City Department of Finance, ARCIS Database
8. City of New York Fire Department

## DOCUMENTS REVIEWED

1. Aerial Photographs for the years 1943, 1953, 1966, 1975, 1984, 1994 and 2006, obtained from October 25, 2010 Phase I ESA Report prepared by EBI Consulting (EBI).
2. Satellite Imagery for the year 2010, provided by the New York State Office for Technology.
3. Environmental Data Resources, Inc. Radius Map, dated April 5, 2013.
4. Fire Insurance Maps from the Sanborn Map Company Archives. Late 19th Century to 1990: provided by Environmental Data Resources, Inc.
1. Topographic Maps for the years 1947, 1955, 1967, 1981 and 1995 obtained from October 25, 2010 Phase I ESA Report prepared by EBI Consulting (EBI).
2. City Directory Abstract obtained from October 25, 2010 Phase I ESA Report prepared by EBI Consulting (EBI).
5. New York State Museum and Science Service Geologic Map of New York State, Lower Hudson Sheet, 1970.
6. New York State Museum and Science Service Surface Geologic Map of New York State, Lower Hudson Sheet, 1989.
7. United States Department of Agriculture, Natural Resource Conservation Service Web Soil Survey, accessed April 5, 2013.
8. United States Geological Survey Topographic Map of the Weehawken and Jersey City, New Jersey Quadrangles and Brooklyn and Central Park, New York Quadrangles, dated 1967 (photorevised 1981 [Weehawken and Jersey City] and 1979 [Brooklyn and Central Park]).
9. Borough of Manhattan Tax Map, Block 699, Lot 49.

## **FIGURES**



Site

THE  
**Chazen**  
COMPANIES  
ENGINEERS/SURVEYORS  
PLANNERS  
ENVIRONMENTAL SCIENTISTS  
LANDSCAPE ARCHITECTS

**Dutchess County Office:**  
21 Fox Street, Poughkeepsie, NY 12601  
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**Capital District Office:**  
547 River Street, Troy, NY 12180  
Phone: (518) 273-0055

**Glens Falls Office:**  
100 Glen Street, Glens Falls, NY 12801  
Phone: (518) 812-0513

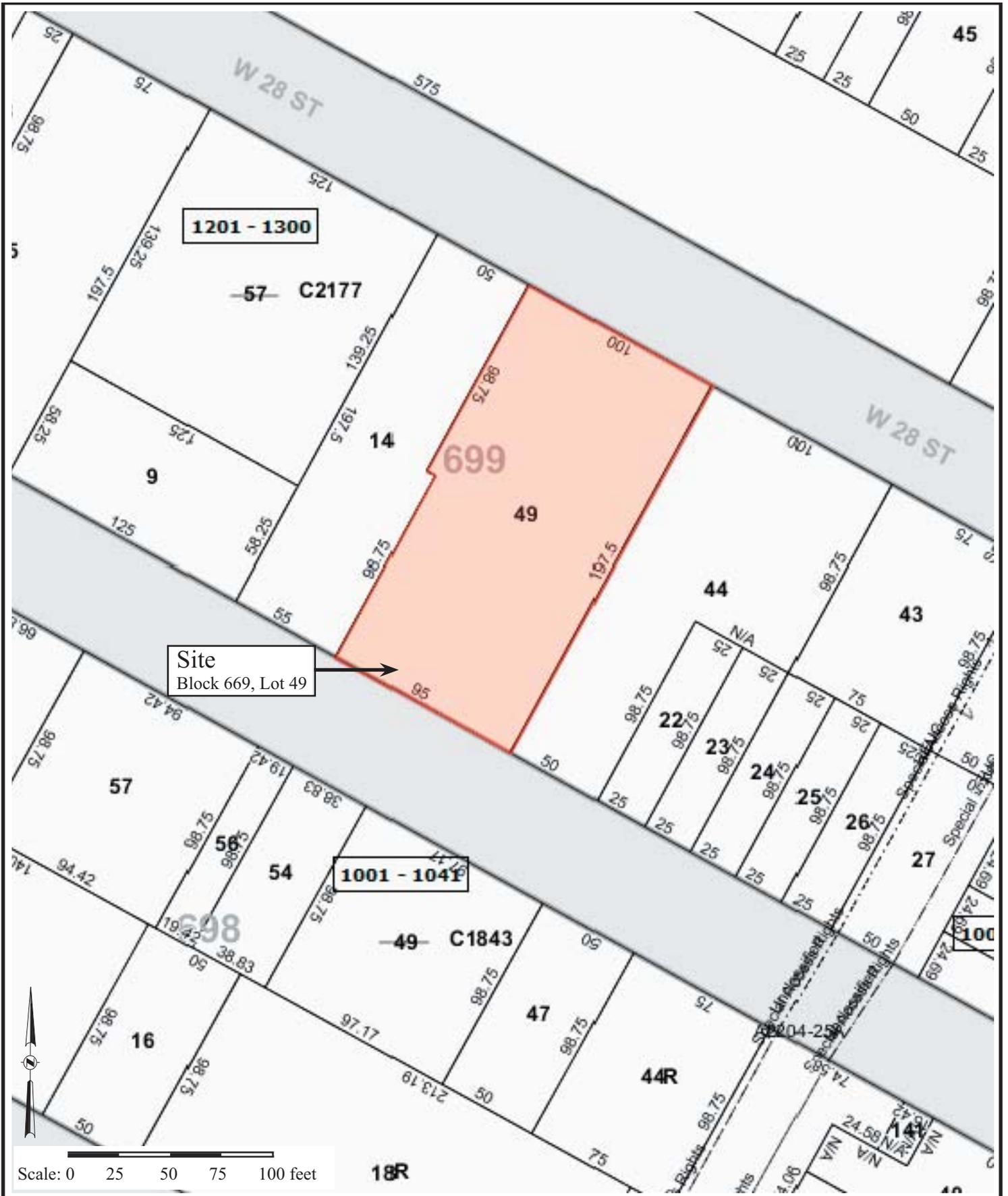
*RN Realty LLC Property*

### Figure 1: Site Location Map

525 - 531 West 27th and 526 - 532 West 28th Streets  
Borough of Manhattan, New York County, New York

Source: USGS Topographic Map of the Weehawken, Jersey City, Brooklyn and Central Park, New York Quadrangles, Dated 1967 (Photorevised in 1981 for the Weehawken and Jersey City Quadrangles and 1979 for the Brooklyn and Central Park Quadrangles); Approximate Tax Parcel location; State of New York DOT 2008 Roads dataset.

Drawn:	RL
Date:	April 2013
Scale:	As Noted
Project:	41311.00
Figure:	1



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ENGINEERS/SURVEYORS  
 PLANNERS  
 ENVIRONMENTAL SCIENTISTS  
 LANDSCAPE ARCHITECTS

**RN Realty LLC Property  
 Figure 2: Tax Map**

525 - 531 West 27th and 526 - 532 West 28th Streets  
 Borough fo Manhattan, New York County, New York

Source: New York City Department of Finance Real Property Tax Map 2013.

Date:  
 April 2013

Scale:  
 As Shown

Project #:  
 41311.00



**THE**  
**Chazen**  
**COMPANIES**  
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*RN Realty LLC Property*

**Figure 3: Orthophoto**  
 525 - 531 West 27th and 526 - 532 West 28th Streets  
 Borough of Manhattan, New York County, New York

Source: i-Cubed Nationwide Orthoimagery 2010; Approximate Tax Parcel Location; State of New York DOT 2008 Roads dataset.

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Date:	April 2013
Scale:	As Noted
Project:	41311.00
Figure:	3

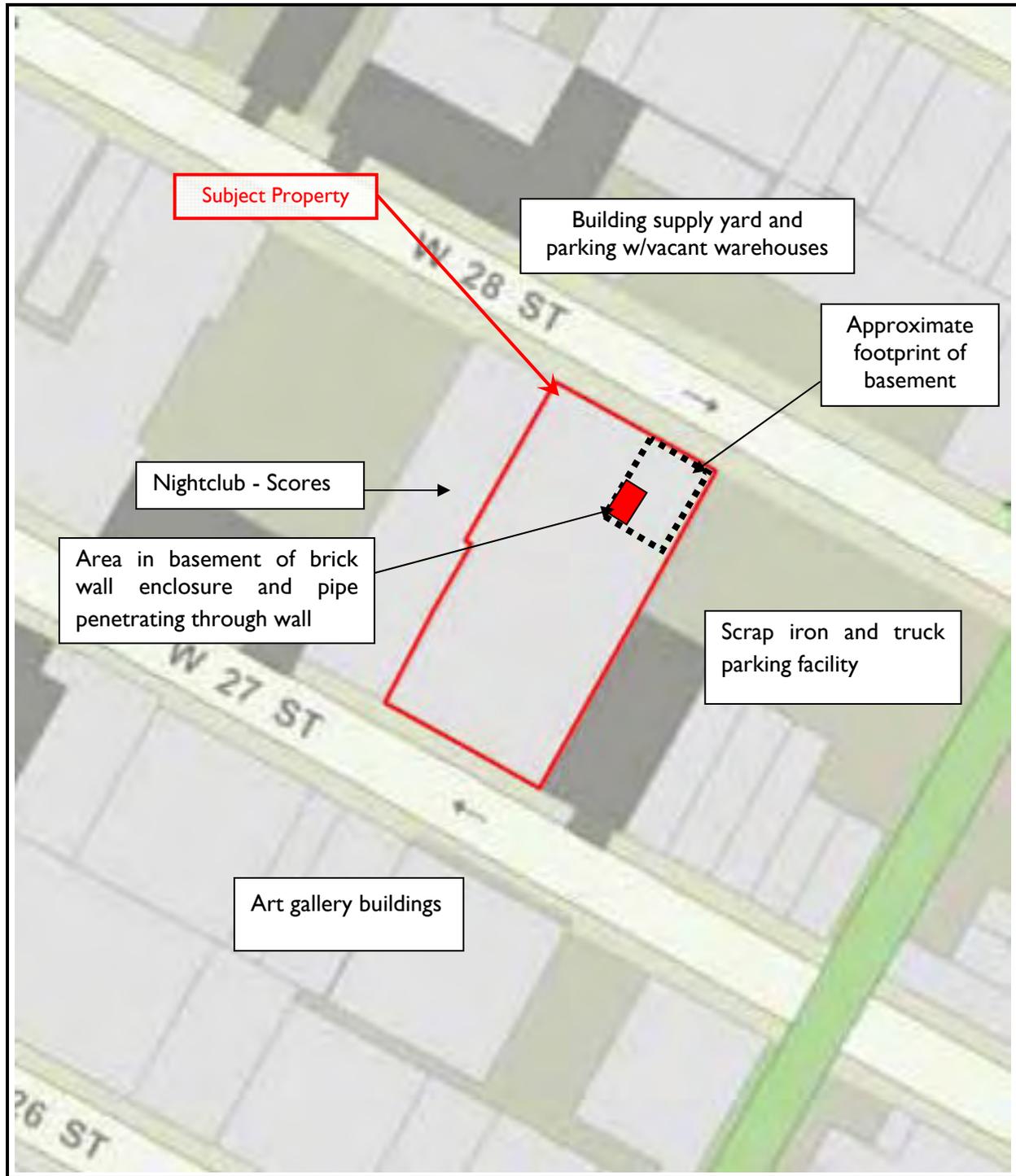


FIGURE 3 – SITE PLAN

Figure 4: Site Plan

(obtained from 2010 EBI Phase I ESA)



Not to scale

Appendix A:  
Site Photographs

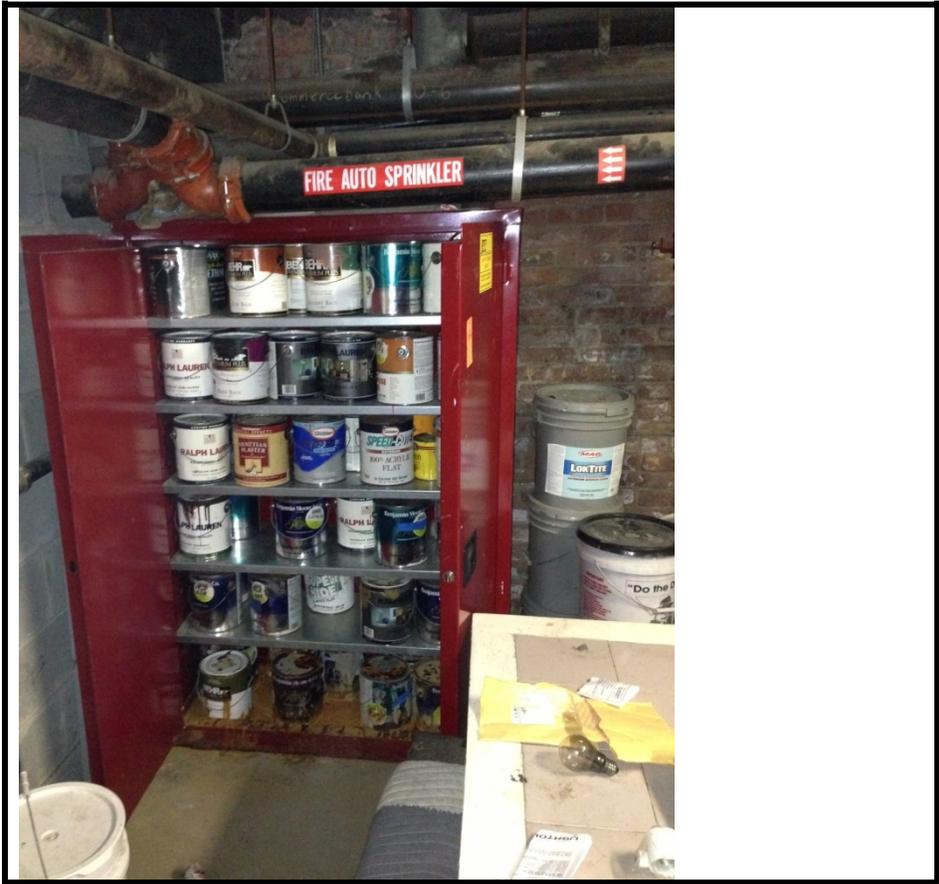


Photo #1: Cabinet with paint containers

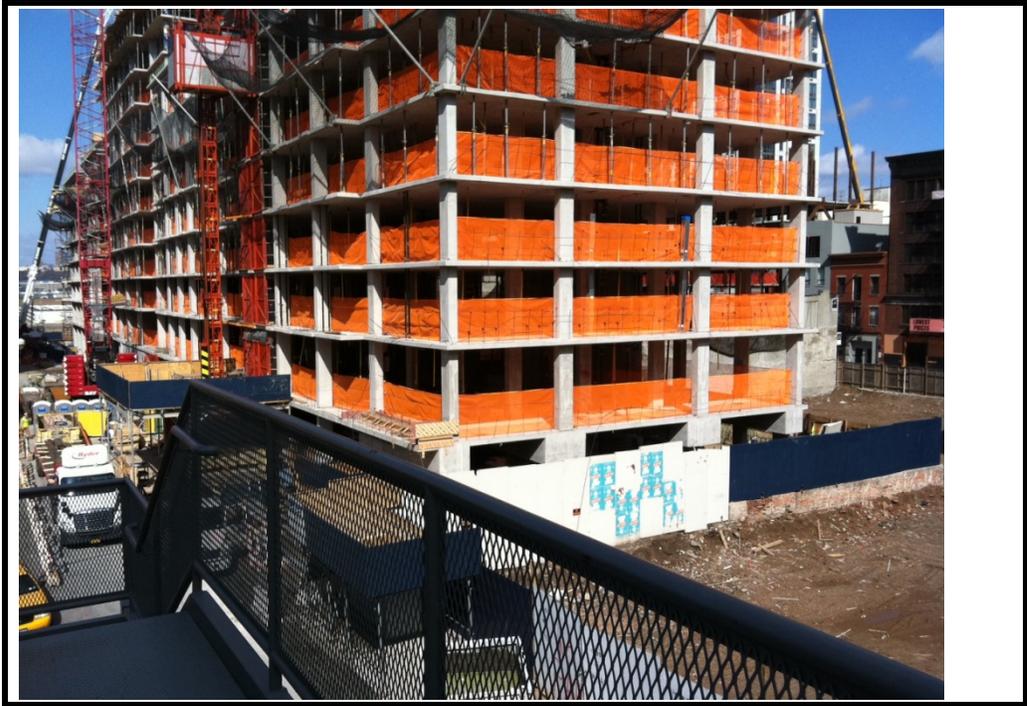


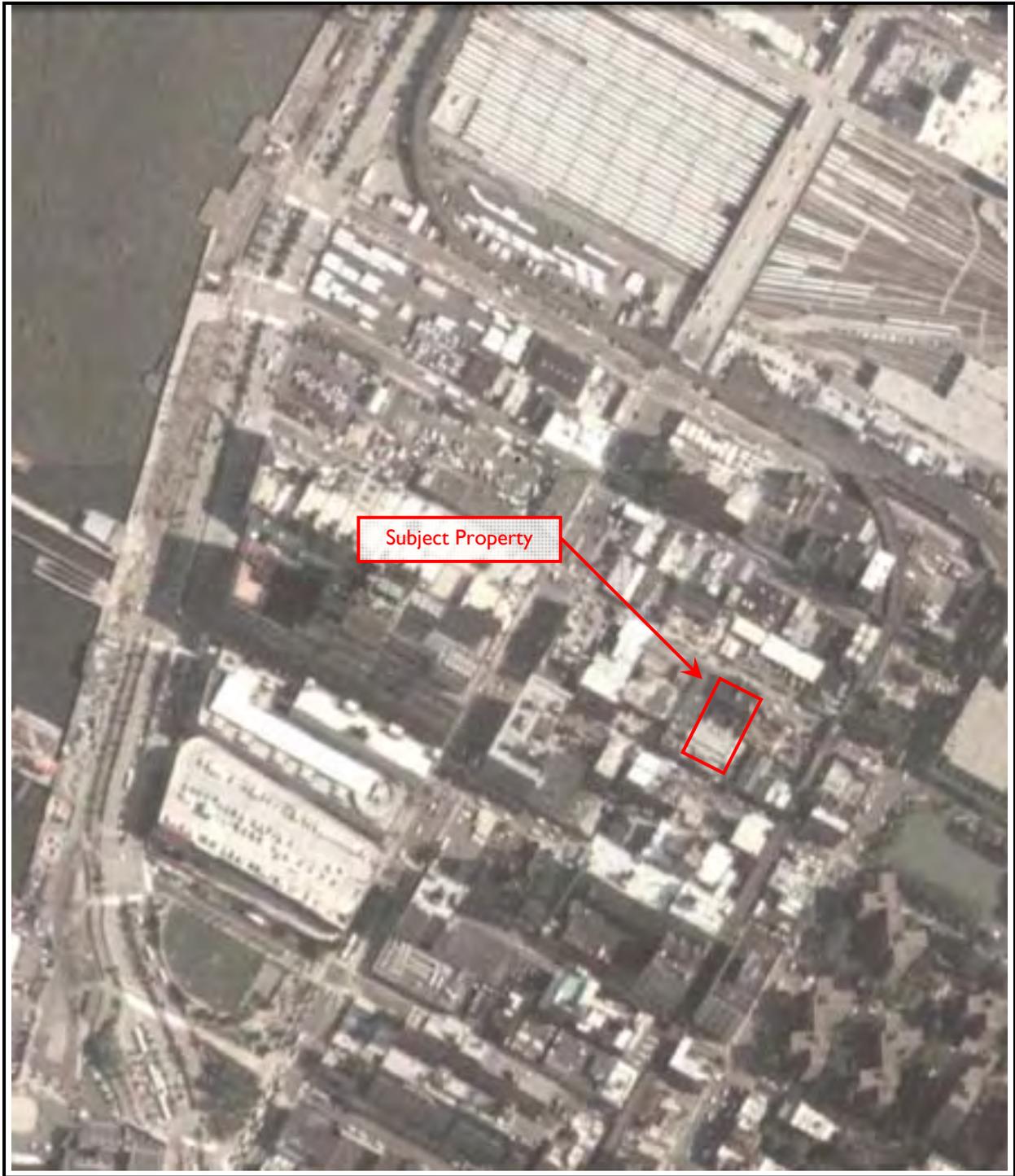
Photo #2: Adjacent building to northeast.

Appendix B:  
Historical Resources



Aerial Photograph  
Year: 2006





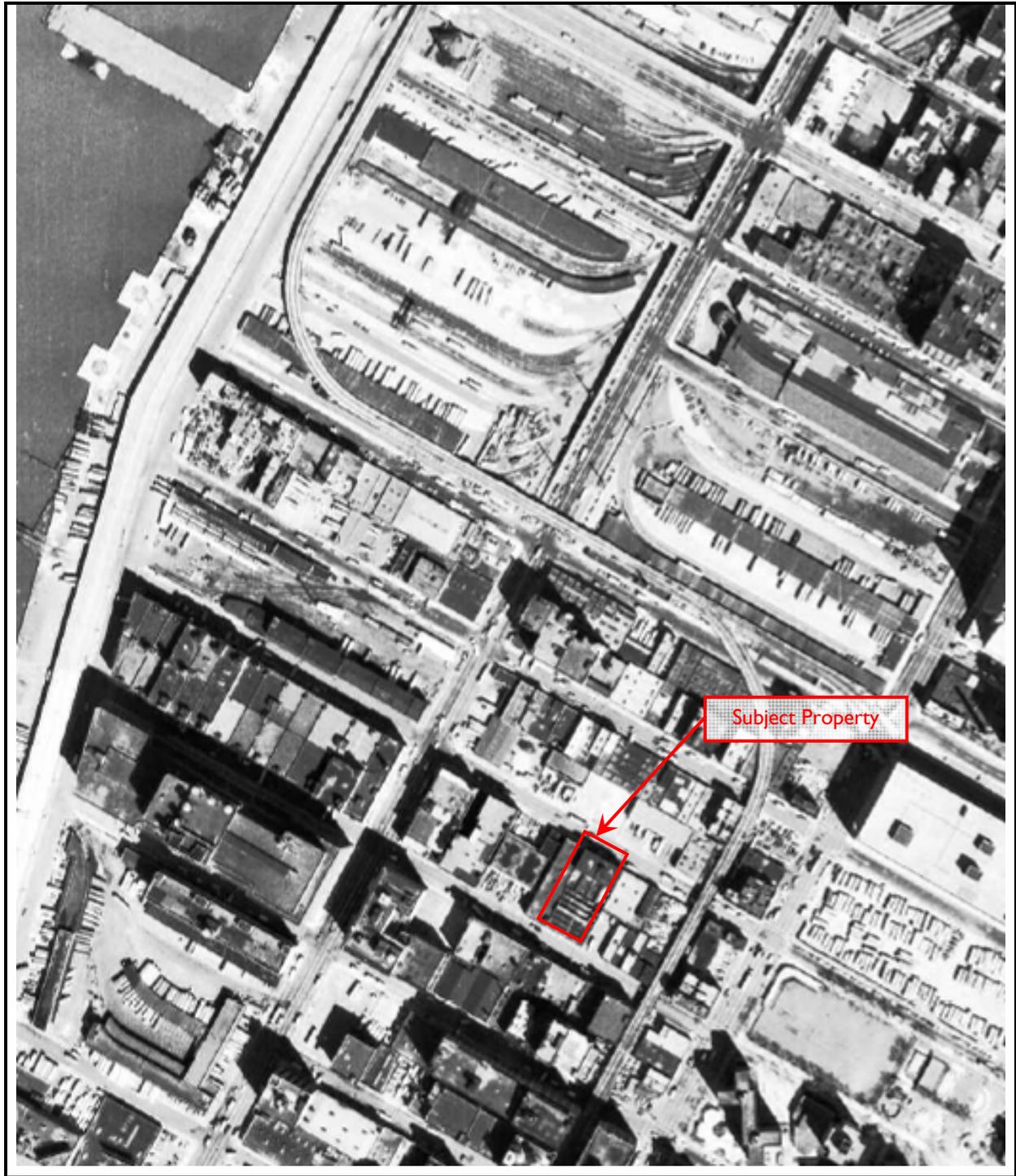
Aerial Photograph  
Year: 1994





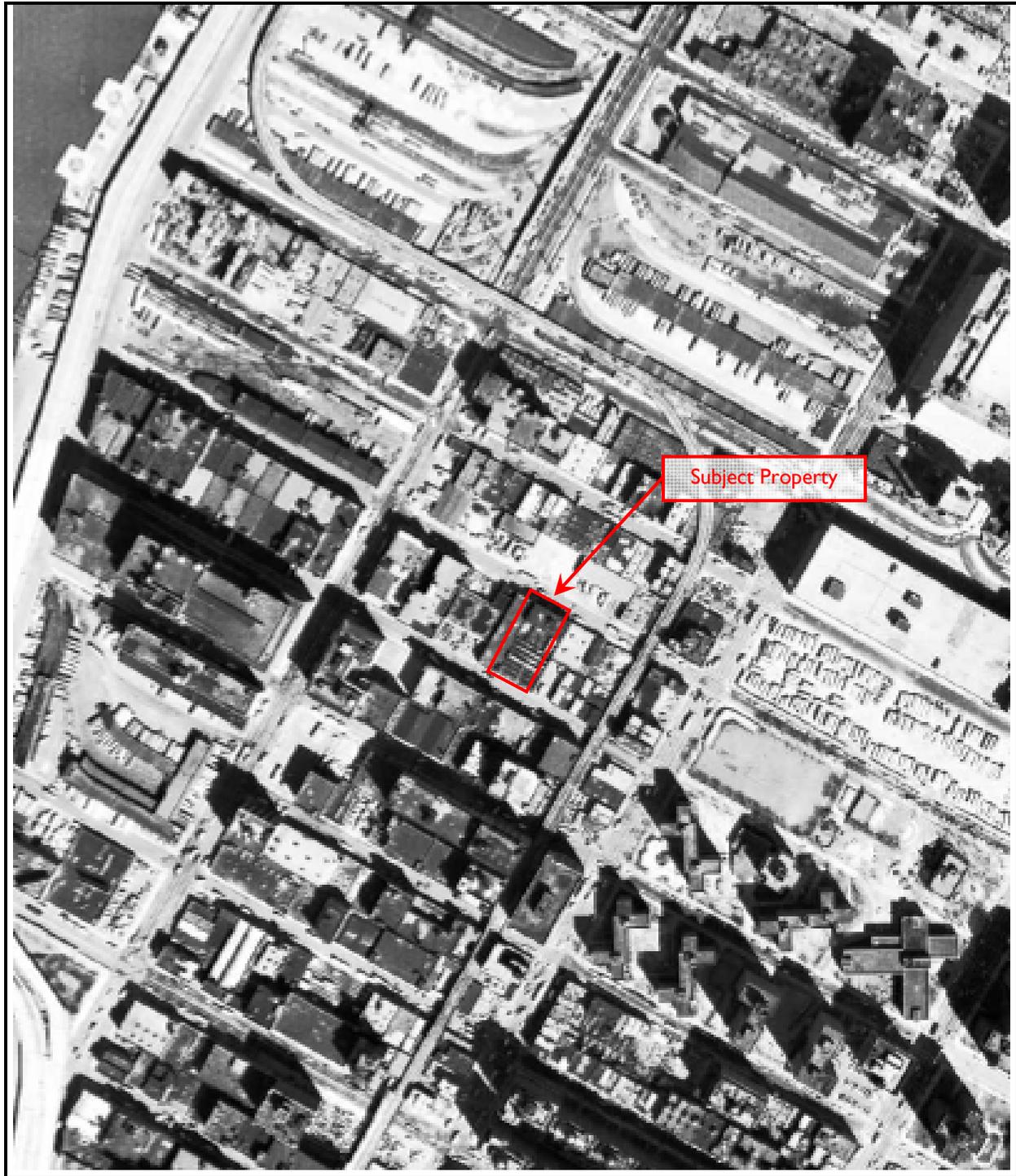
Aerial Photograph  
Year: 1984





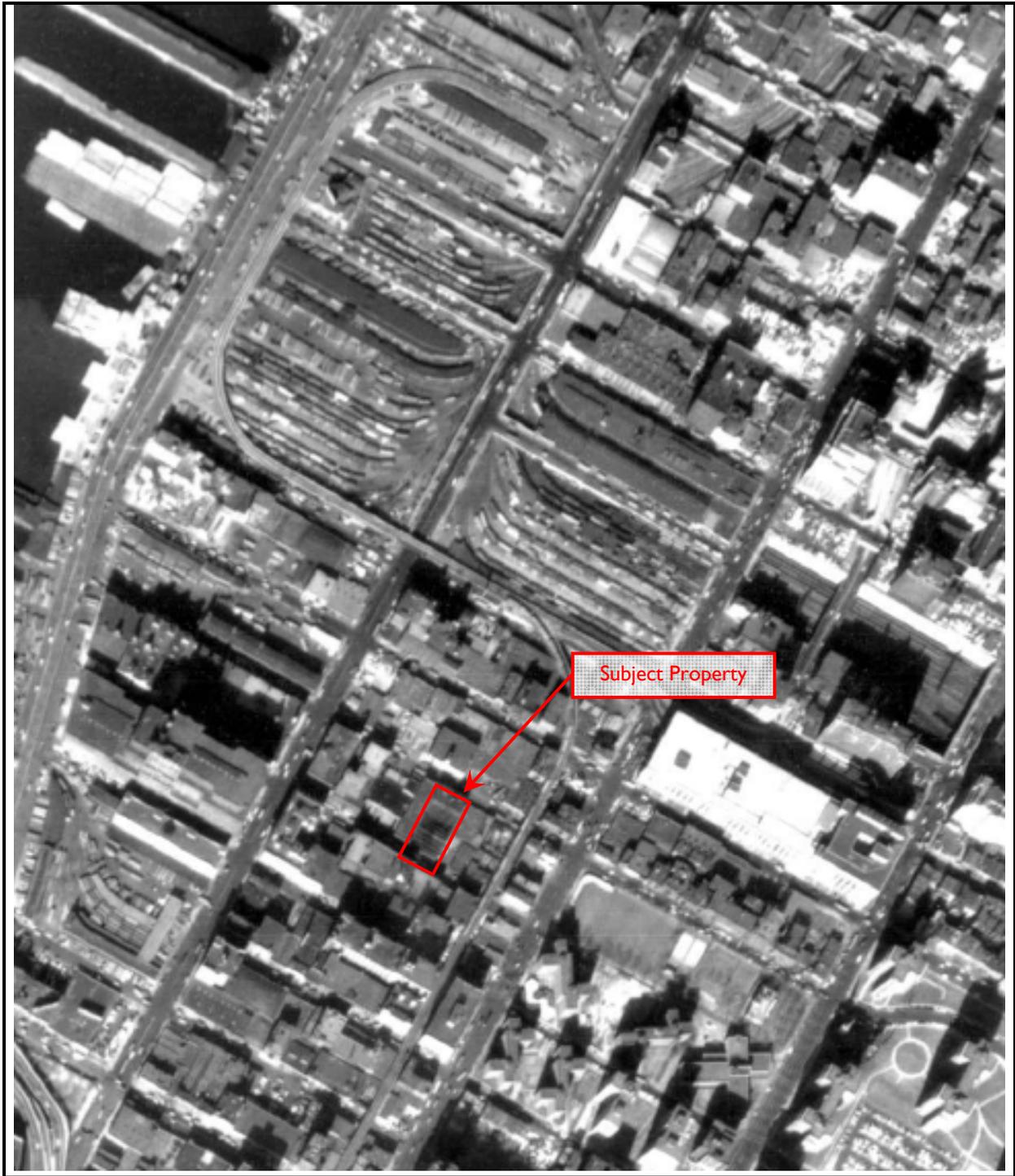
Aerial Photograph  
Year: 1975





Aerial Photograph  
Year: 1966





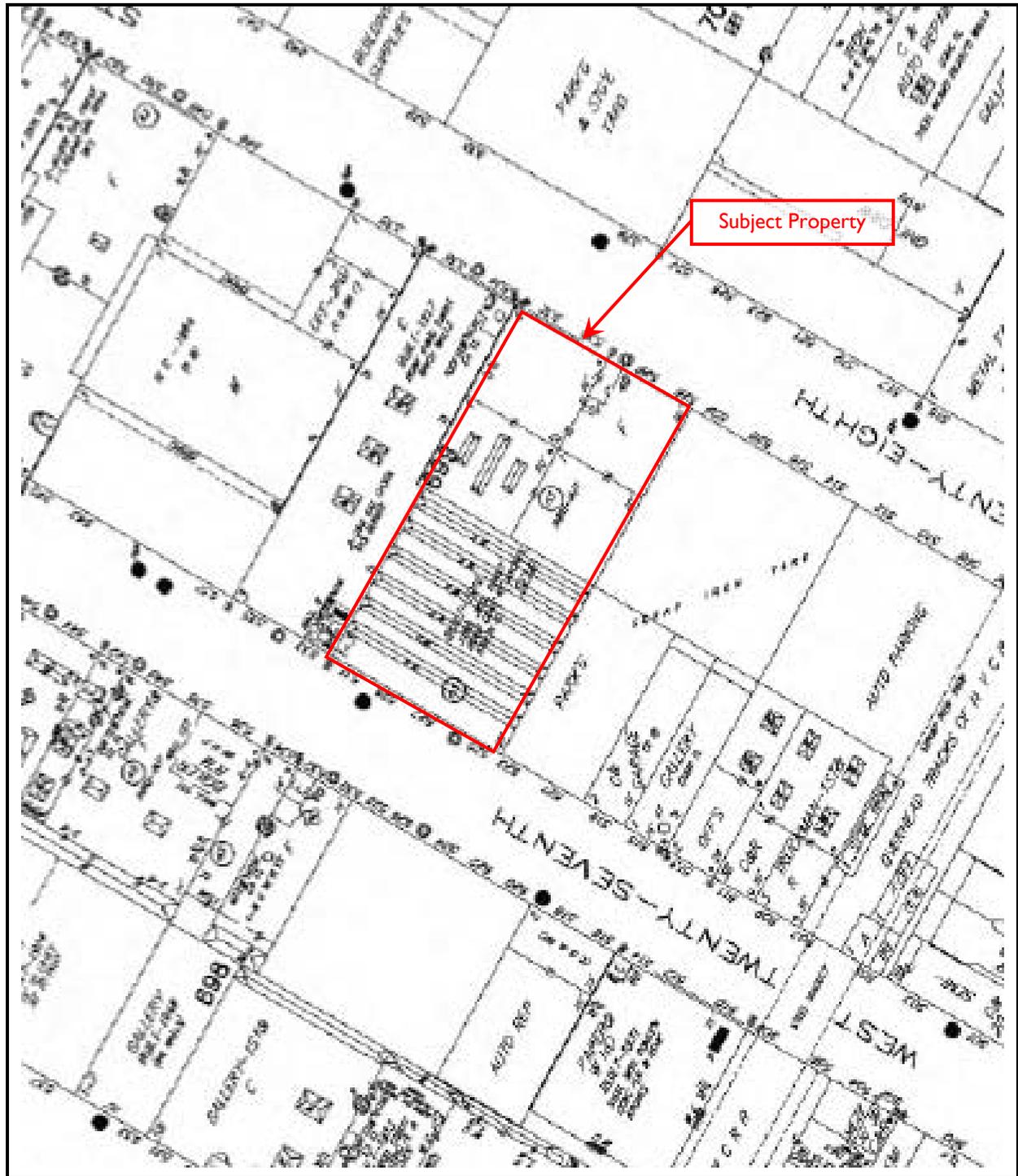
Aerial Photograph  
Year: 1953





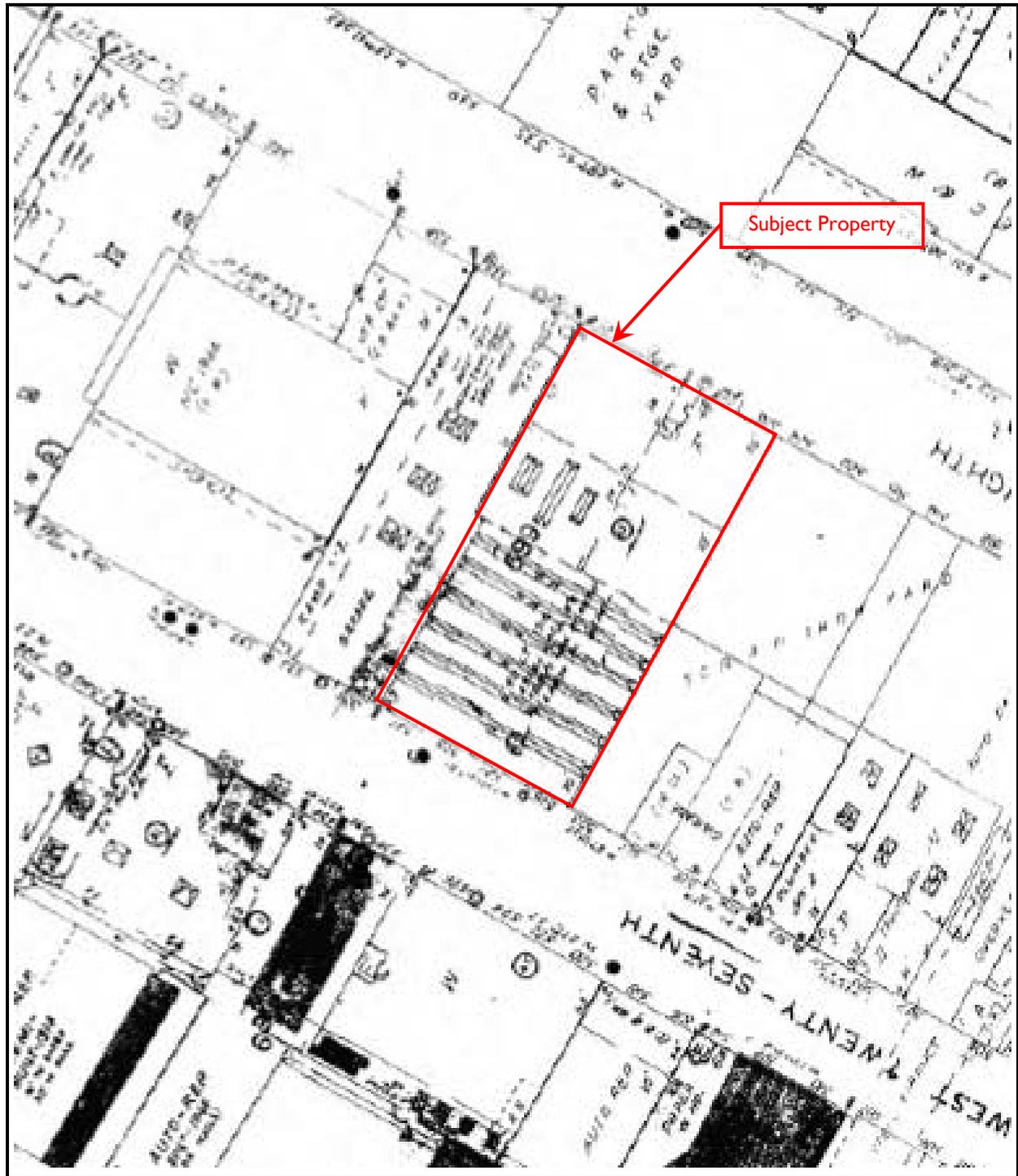
Aerial Photograph  
Year: 1943





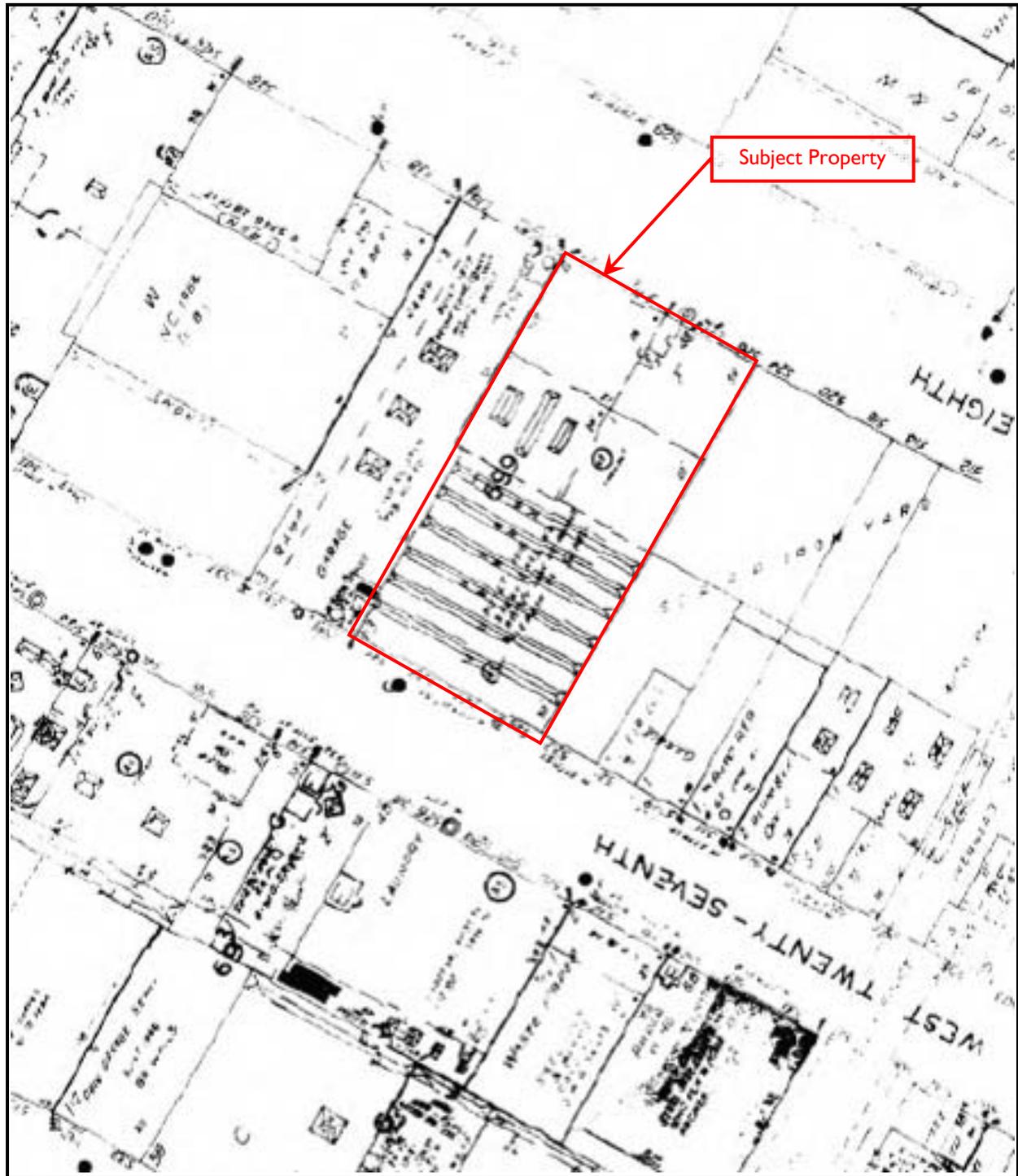
Historic Fire Insurance Map  
Year: 2005





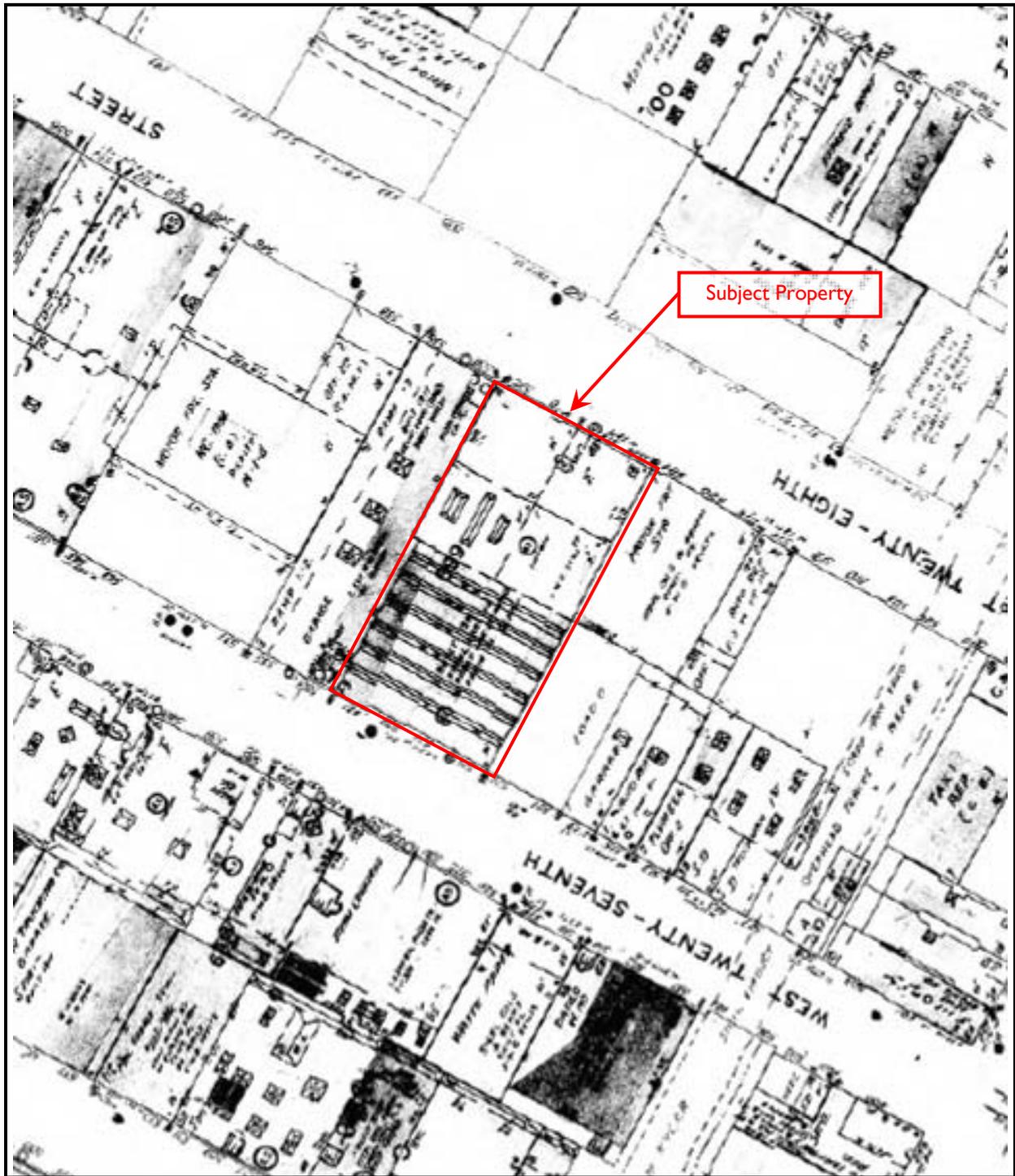
Historic Fire Insurance Map  
Year: 1996





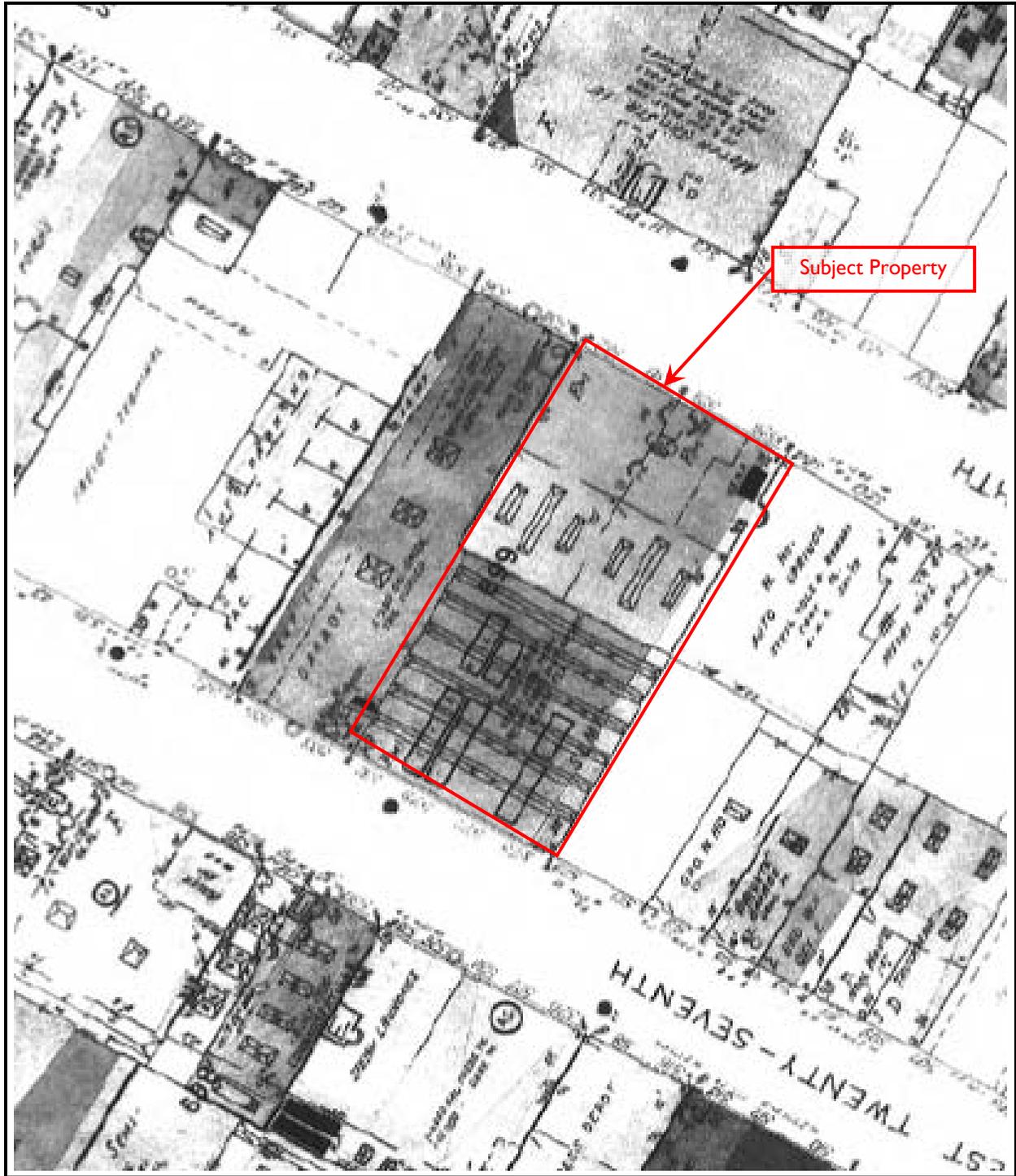
Historic Fire Insurance Map  
Year: 1988





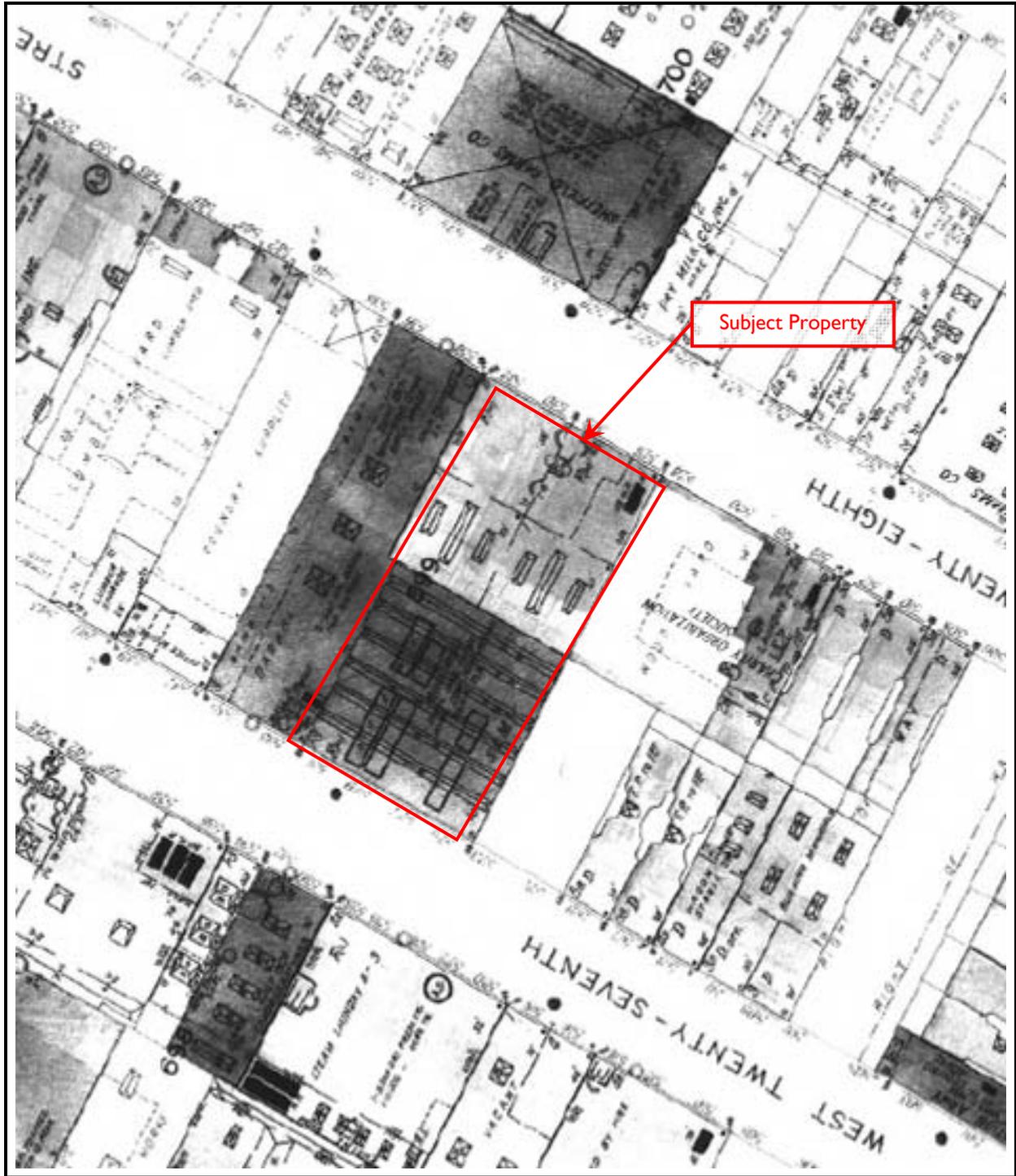
Historic Fire Insurance Map  
Year: 1979





Historic Fire Insurance Map  
Year: 1950





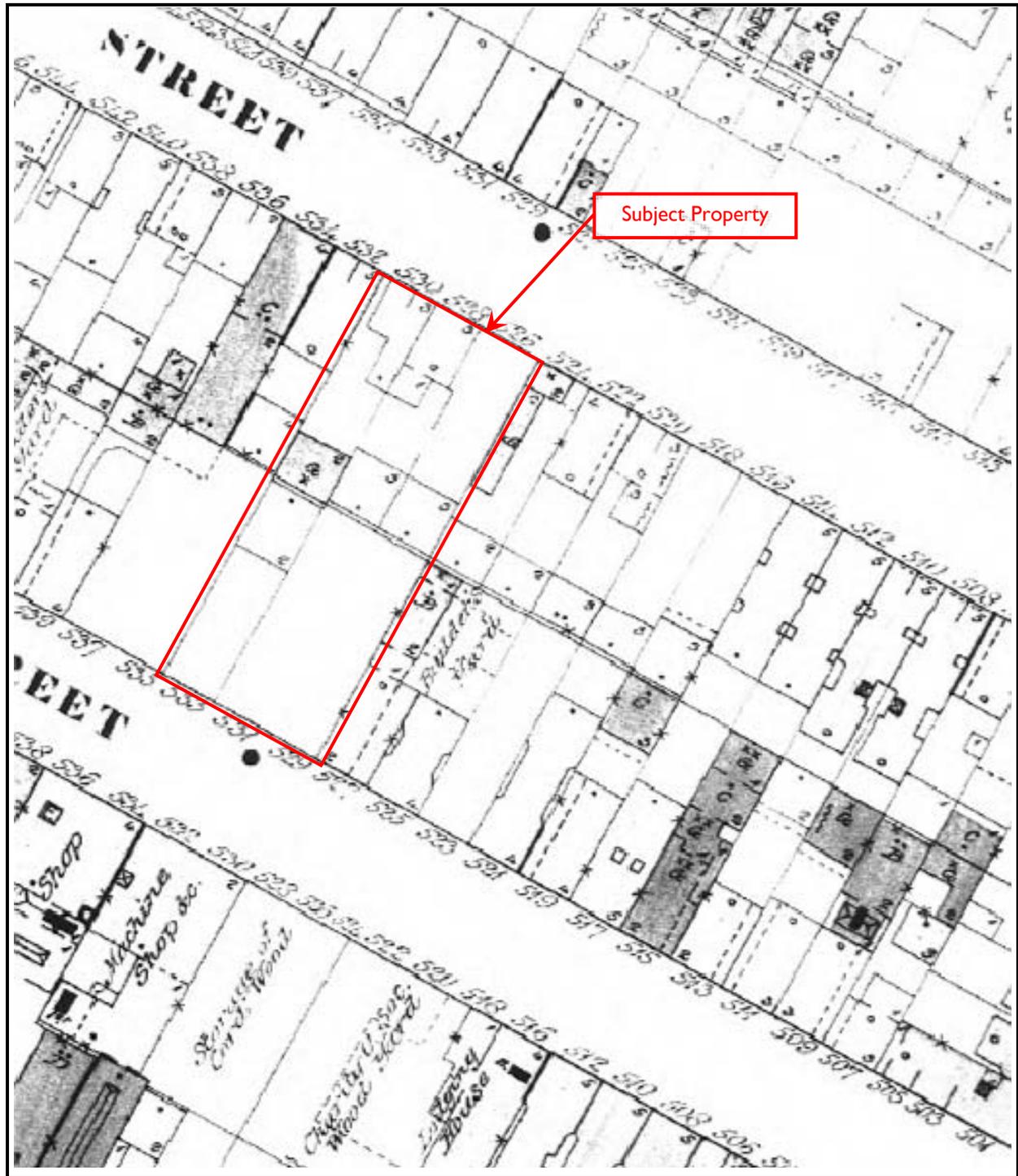
Historic Fire Insurance Map  
Year: 1930





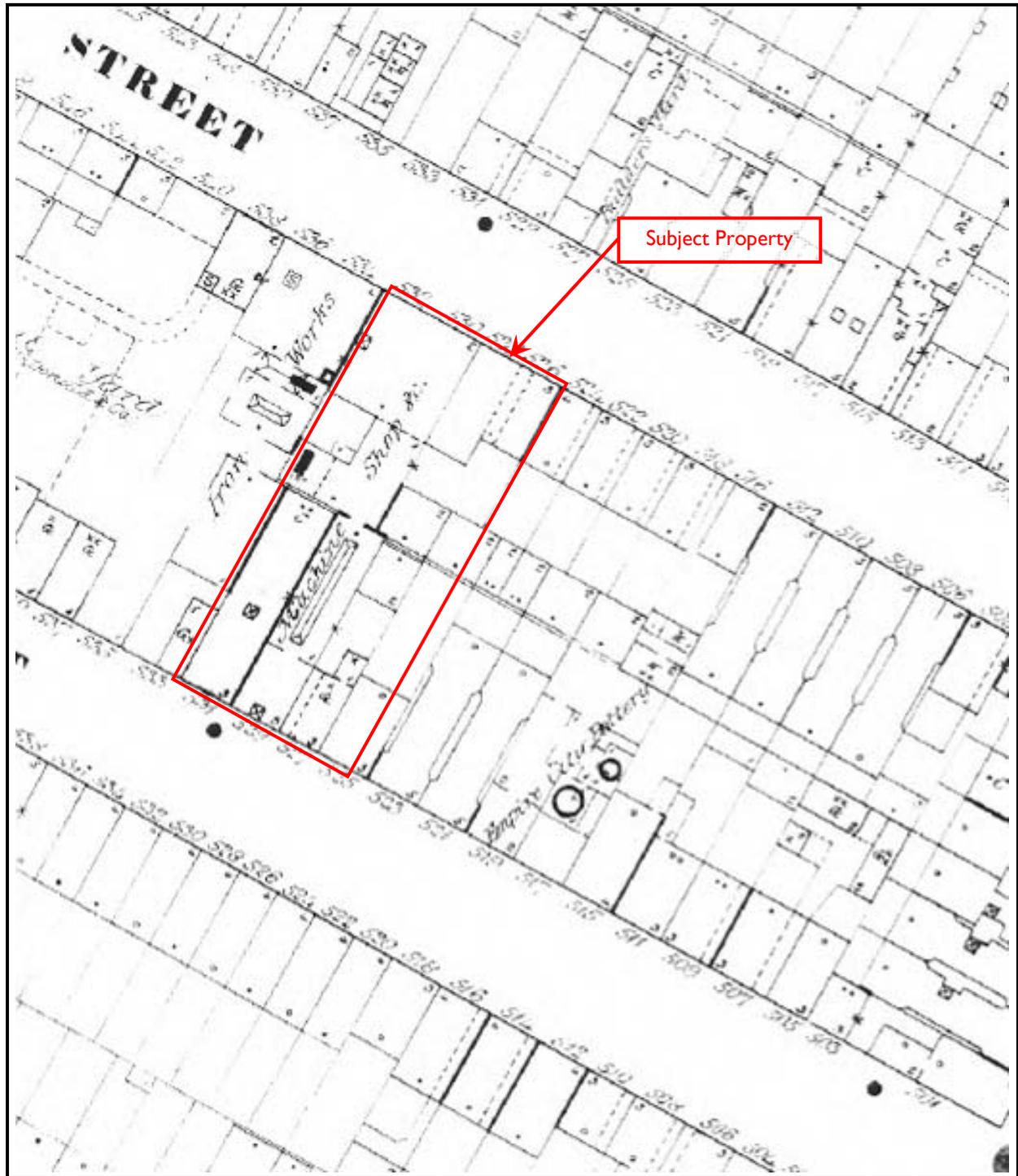
Historic Fire Insurance Map  
Year: 1911





Historic Fire Insurance Map  
Year: 1899





Historic Fire Insurance Map  
Year: 1890





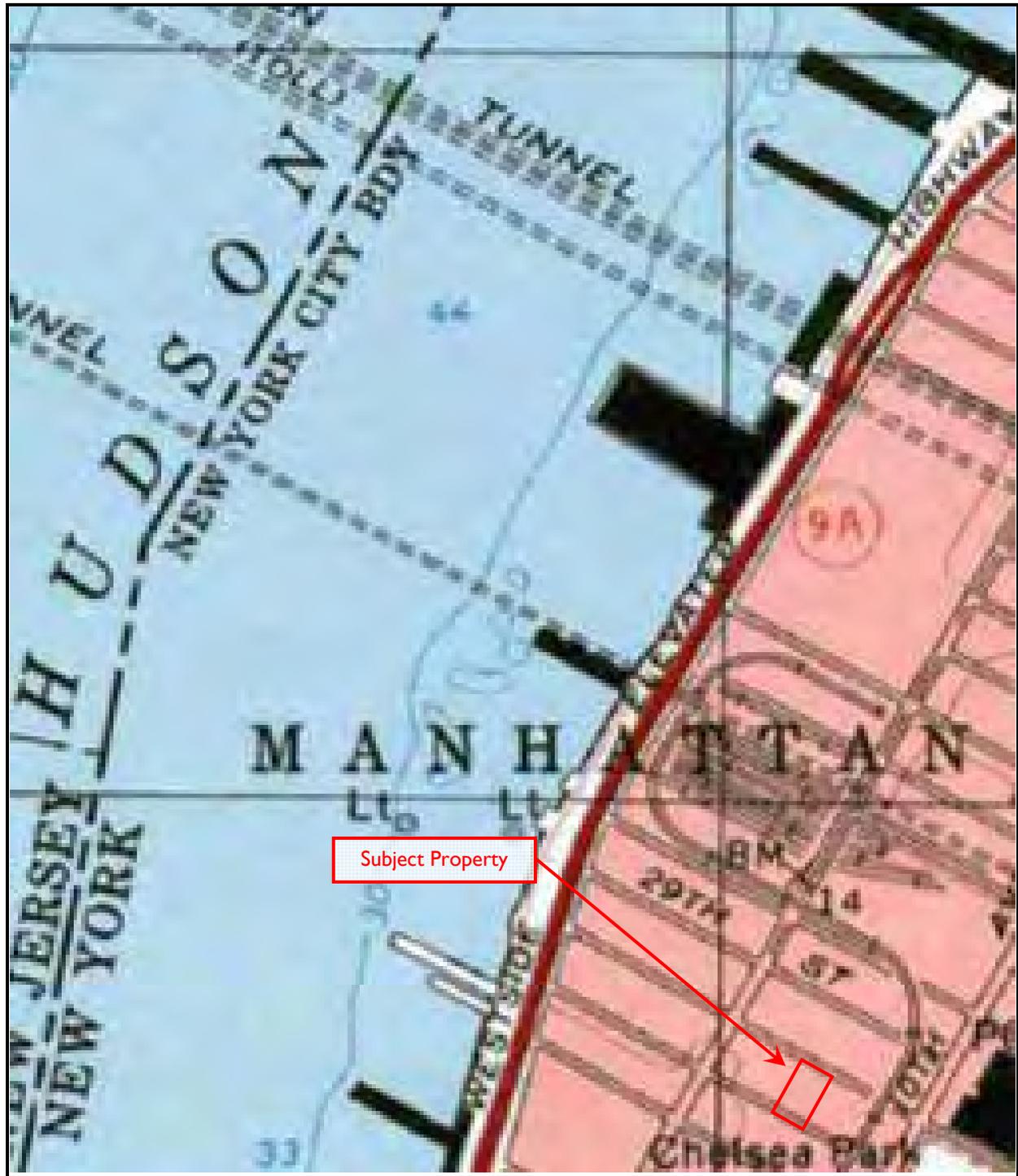
Historic USGS Topographic Map  
Year: 1995





Historic USGS Topographic Map  
Year: 1981





Historic USGS Topographic Map  
Year: 1967





Historic USGS Topographic Map  
Year: 1955





Historic USGS Topographic Map  
Year: 1947



**526-530 West 28th Street**

West 28th Street  
New York, NY 10001

Inquiry Number: 2894554.1  
October 14, 2010

## The EDR-City Directory Abstract

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

#### **Disclaimer - Copyright and Trademark Notice**

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## 2009 Enhancements to EDR City Directory Abstract

New for 2009, the EDR City Directory Abstract has been enhanced with additional information and features. These enhancements will make your city directory research process more efficient, flexible, and insightful than ever before. The enhancements will improve the options for selecting adjoining properties, and will speed up your review of the report.

**City Directory Report.** Three important enhancements have been made to the EDR City Directory Abstract:

1. *Executive Summary.* The report begins with an Executive Summary that lists the sources consulted in the preparation of the report. Where available, a parcel map is also provided within the report, showing the locations of properties researched.
2. *Page Images.* Where available, the actual page source images will be included in the Appendix, so that you can review them for information that may provide additional insight. EDR has copyright permission to include these images.
3. *Findings Listed by Location.* Another useful enhancement is that findings are now grouped by address. This will significantly reduce the time you need to review your abstracts. Findings are provided under each property address, listed in reverse chronological order and referencing the source for each entry.

**Options for Selecting Adjoining Properties.** Ensuring that the right adjoining property addresses are searched is one of the biggest challenges that environmental professionals face when conducting city directory historical research. EDR's new enhancements make it easier for you to meet this challenge. Now, when you place an order for the EDR City Directory Abstract, you have the following choices for determining which addresses should be researched.

1. *You Select Addresses and EDR Selects Addresses.* Use the "Add Another Address" feature to specify the addresses you want researched. Your selections will be supplemented by addresses selected by EDR researchers using our established research methods. Where available, a digital map will be shown, indicating property lines overlaid on a color aerial photo and their corresponding addresses. Simply use the address list below the map to check off which properties shown on the map you want to include. You may also select other addresses using the "Add Another Address" feature at the bottom of the list.
2. *EDR Selects Addresses.* Choose this method if you want EDR's researchers to select the addresses to be researched for you, using our established research methods.
3. *You Select Addresses.* Use this method for research based solely on the addresses you select or enter into the system.
4. *Hold City Directory Research Option.* If you choose to select your own adjoining addresses, you may pause production of your EDR City Directory Abstract report until you have had a chance to look at your other EDR reports and sources. Sources for property addresses include: your Certified Sanborn Map Report may show you the location of property addresses; the new EDR Property Tax Map Report may show the location of property addresses; and your field research can supplement these sources with additional address information. To use this capability, simply click "Hold City Directory research" box under "Other Options" at the bottom of the page. Once you have determined what addresses you want researched, go to your EDR Order Status page, select the EDR City Directory Abstract, and enter the addresses and submit for production.

Questions? Contact your EDR representative at 800-352-0050. For more information about all of EDR's 2009 report and service enhancements, visit [www.edrnet.com/2009enhancements](http://www.edrnet.com/2009enhancements)

## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2006. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2006	Hill-Donnelly Information Services	-	X	X	-
2000	Cole Information Services	-	X	X	-
1998	NYNEX Telephone	-	X	X	-
1996	NYNEX Telephone	-	-	-	-
1993	NYNEX Telephone	-	X	X	-
1988	NYNEX Telephone	-	X	X	-
1983	New York Telephone	-	X	X	-
1978	New York Telephone	-	X	X	-
1973	New York Telephone	-	X	X	-
1968	New York Telephone	-	X	X	-
1963	New York Telephone	-	X	X	-
1958	New York Telephone	-	X	X	-
1956	New York Telephone	-	X	X	-
1950	New York Telephone	-	X	X	-
1947	New York Telephone	-	X	X	-
1942	New York Telephone	-	X	X	-
1938	New York Telephone	-	X	X	-
1934	R. L. Polk & Co.	-	-	-	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	-	-	-	-
1927	New York Telephone	-	X	X	-
1923	R. L. Polk & Co.	-	-	-	-
1920	R. L. Polk & Co.	-	-	-	-

## EXECUTIVE SUMMARY

### SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
525 W 27th St	Client Entered	
527 W 27th St	Client Entered	X
529 W 27th St	Client Entered	
531 W 27th St	Client Entered	

## FINDINGS

### TARGET PROPERTY INFORMATION

#### ADDRESS

West 28th Street  
New York, NY 10001

#### FINDINGS DETAIL

Target Property research detail.

No Addresses Found

## FINDINGS

### ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

#### W 27th St

##### 527 W 27th St

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	No Current Listing	Hill-Donnelly Information Services
	No Current Listing	Hill-Donnelly Information Services
	No Current Listing	Hill-Donnelly Information Services

#### W 28 ST

##### 535 W 28 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	K & D EXPORT IMPORT CORP	New York Telephone
	K & D EXPORT IMPORT CORP	New York Telephone
	K & D EXPORT IMPORT CORP	New York Telephone
1942	MERRILL W C JR B	New York Telephone
	MERRILL W C JR B	New York Telephone
	MERRILL W C JR B	New York Telephone

##### 538 W 28 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	MERIDIAN DISTRIBUTION SVCS INC	NYNEX Telephone
	MERIDIAN/UNITED	NYNEX Telephone
	MERIDIAN/UNITED	NYNEX Telephone
	MERIDIAN DISTRIBUTION SVCS INC	NYNEX Telephone
	MERIDIAN/UNITED	NYNEX Telephone
	MERIDIAN DISTRIBUTION SVCS INC	NYNEX Telephone
1988	KINNEY SYSTEM INC	NYNEX Telephone
	KINNEY SYSTEM INC	NYNEX Telephone
	KINNEY SYSTEM INC	NYNEX Telephone
1983	KINNEY SYSTEM INC	New York Telephone
	KINNEY SYSTEM INC	New York Telephone
	KINNEY SYSTEM INC	New York Telephone
	KINNEY SYSTEM INC	New York Telephone
	KINNEY SYSTEM INC	New York Telephone
	KINNEY SYSTEM INC	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1968	CONN-ASS PACKING & TRUCKG CO	New York Telephone
	CONN-ASS PACKING & TRUCKG CO	New York Telephone
	CONN-ASS PACKING & TRUCKG CO	New York Telephone

### 539 W 28 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1988	DIMAGGIO TRUCKING CO	NYNEX Telephone
	DI MAGGIO TRUCKING CO	NYNEX Telephone
	DIMAGGIO TRUCKING CO	NYNEX Telephone
	DI MAGGIO TRUCKING CO	NYNEX Telephone
	DIMAGGIO TRUCKING CO	NYNEX Telephone
	DI MAGGIO TRUCKING CO	NYNEX Telephone
1983	DIMAGGIO THOS A TRUCKG CO	New York Telephone
	DIMAGGIO THOS A TRUCKG CO	New York Telephone
	DIMAGGIO THOS A TRUCKG CO	New York Telephone
1978	DIMAGGIO THOS A TRUCKG CO	New York Telephone
	DIMAGGIO THOS A TRUCKG CO	New York Telephone
	DIMAGGIO THOS A TRUCKG CO	New York Telephone

### 540 W 28 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1988	ARZT SHOLOM & ESTHER	NYNEX Telephone
	ARZT SHOLOM & ESTHER	NYNEX Telephone
	ARZT SHOLOM & ESTHER	NYNEX Telephone

### 541 W 28 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1938	CONTE JOS FIRST	New York Telephone
	CONTE JOS FIRST	New York Telephone
	CONTE JOS FIRST	New York Telephone

### 543 W 28 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1956	HENCKEN HENRY INC OFC	New York Telephone
	HENCKEN HENRY INC OFC	New York Telephone
	HENCKEN HENRY INC OFC	New York Telephone
1950	HENCKEN HENRY INC	New York Telephone
	HENCKEN HENRY INC	New York Telephone
	HENCKEN HENRY INC	New York Telephone
1947	HENCKEN HENRY INC OFC	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1947	HENCKEN HENRY INC OFC	New York Telephone
	HENCKEN HENRY INC OFC	New York Telephone
1942	HENCKEN HENRY INC	New York Telephone
	HENCKEN HENRY INC	New York Telephone
	HENCKEN HENRY INC	New York Telephone
1938	HENCKEN HENRY INC	New York Telephone
	HENCKEN HENRY INC	New York Telephone
	HENCKEN HENRY INC	New York Telephone
1927	HENCKEN HENRY COAL	New York Telephone
	HENCKEN HENRY COAL	New York Telephone
	HENCKEN HENRY COAL	New York Telephone

### 544 W 28 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>	
1950	BOONTON NEWARK N Y EXPRESS	New York Telephone	
	UNITED TRECKING CO INC	New York Telephone	
	TREDWAY FLOYD W EXP	New York Telephone	
	EMMOTT-VALLEY TRANSPORTATION CO INC	New York Telephone	
	JIM S TRUCKING CO	New York Telephone	
	TREDWAY BOONTON N Y EXPRESS	New York Telephone	
	BOONTON NEWARK N Y EXPRESS	New York Telephone	
	UNITED TRECKING CO INC	New York Telephone	
	TREDWAY FLOYD W EXP	New York Telephone	
	EMMOTT-VALLEY TRANSPORTATION CO INC	New York Telephone	
	JIM S TRUCKING CO	New York Telephone	
	TREDWAY BOONTON N Y EXPRESS	New York Telephone	
	BOONTON NEWARK N Y EXPRESS	New York Telephone	
	UNITED TRECKING CO INC	New York Telephone	
	TREDWAY FLOYD W EXP	New York Telephone	
	EMMOTT-VALLEY TRANSPORTATION CO INC	New York Telephone	
	JIM S TRUCKING CO	New York Telephone	
	TREDWAY BOONTON N Y EXPRESS	New York Telephone	
	1947	MIDDLE ATLANTIC TRANSPTN CO INC	New York Telephone
		FERREIRA S TRANSPTN	New York Telephone
BOONTON NEWAK NY EXPRESS		New York Telephone	
TREDWAY FLOYD W EXP		New York Telephone	
MIDDLE ATLANTIC TRANSPTN CO INC		New York Telephone	

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1947	FERREIRA S TRANSPTN	New York Telephone
	BOONTON NEWAK NY EXPRESS	New York Telephone
	TREDWAY FLOYD W EXP	New York Telephone
	MIDDLE ATLANTIC TRANSPTN CO INC	New York Telephone
	FERREIRA S TRANSPTN	New York Telephone
	BOONTON NEWAK NY EXPRESS	New York Telephone
	TREDWAY FLOYD W EXP	New York Telephone
1942	BRADY TRANSFER & STORAGE CO	New York Telephone
	BRADY TRANSFER & STORAGE CO	New York Telephone
	BRADY TRANSFER & STORAGE CO	New York Telephone
1938	TAYLOR JAS & SONS LMBR	New York Telephone
	TAYLOR JAS & SONS LMBR	New York Telephone
	TAYLOR JAS & SONS LMBR	New York Telephone
1927	TAYLOR JAS & SONS LMBR	New York Telephone
	TAYLOR JAS & SONS LMBR	New York Telephone
	TAYLOR JAS & SONS LMBR	New York Telephone

### 545 W 28 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	NEW YORK BUILDERS SUPL CORP	NYNEX Telephone
	VISIONS IN PLASTER	NYNEX Telephone
	NEW YORK BUILDERS SUPL CORP	NYNEX Telephone
	VISIONS IN PLASTER	NYNEX Telephone
	NEW YORK BUILDERS SUPL CORP	NYNEX Telephone
	VISIONS IN PLASTER	NYNEX Telephone
1973	PITTSBURGH CONSOLIDATRS	New York Telephone
	PITTSBURGH STORES FAST FREIGHT	New York Telephone
	PITTSBURGH CONSOLIDATRS	New York Telephone
	PITTSBURGH STORES FAST FREIGHT	New York Telephone
	PITTSBURGH CONSOLIDATRS	New York Telephone
	PITTSBURGH STORES FAST FREIGHT	New York Telephone
1968	WOMELDORF INC TRUKG	New York Telephone
	WOMELDORF INC TRUKG	New York Telephone
	WOMELDORF INC TRUKG	New York Telephone

### 546 W 28 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	FLOOD RUTH MRS	New York Telephone
	FLOOD RUTH MRS	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	FLOOD RUTH MRS	New York Telephone

### 547 W 28 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	ISMAIL KASRWO	NYNEX Telephone
	ISMAIL KASRWO	NYNEX Telephone
	ISMAIL KASRWO	NYNEX Telephone
1958	AJAX TRUCKING CO INC	New York Telephone
	DANA TRUCKING COINE	New York Telephone
	AJAX TRUCKING CO INC	New York Telephone
	DANA TRUCKING COINE	New York Telephone
	AJAX TRUCKING CO INC	New York Telephone
	DANA TRUCKING COINE	New York Telephone
1956	AJAX TRUCKING CO INC	New York Telephone
	DANA TRUCKING CO INC	New York Telephone
	AJAX TRUCKING CO INC	New York Telephone
	DANA TRUCKING CO INC	New York Telephone
	AJAX TRUCKING CO INC	New York Telephone
	DANA TRUCKING CO INC	New York Telephone
1950	AJAX TRUCKING CC INC	New York Telephone
	AJAX TRUCKING CC INC	New York Telephone
	AJAX TRUCKING CC INC	New York Telephone

### 548 W 28 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	JULIU HORVATH S GYROTONICS	NYNEX Telephone
	LOCKSMITH	NYNEX Telephone
	LUCAS CHRISTOPHER	NYNEX Telephone
	MAGIO & SONS	NYNEX Telephone
	SAFAIN ENTERPRISES INC	NYNEX Telephone
	THOMAS AUTOMOTIVE DIAGNOSTIC CENTER INC	NYNEX Telephone
	24 HOUR LOCKSMITH	NYNEX Telephone
	24 HOUR TOWING SERVICE	NYNEX Telephone
	YOUNG JASON STUDIO	NYNEX Telephone
	A CLASSICAL RECORD	NYNEX Telephone
	A EMERGENCY TOWING	NYNEX Telephone
	A LOCKSMITH	NYNEX Telephone
	A-24 HR 7 DAY TOWING SERVICE	NYNEX Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	AAAA EMERGENCY TOWING	NYNEX Telephone
	AAAA 24 HOUR TOEING	NYNEX Telephone
	AURORA FINE BOOKS	NYNEX Telephone
	BONDY SOUND STUDIO	NYNEX Telephone
	BONDY STEPHEN	NYNEX Telephone
	CLASSICAL RECORD A	NYNEX Telephone
	CREATIVE PRESENTATIONS & GRAPHICS	NYNEX Telephone
	EXACLAIR INC	NYNEX Telephone
	GASS OF NY	NYNEX Telephone
	HABACKER JAMES	NYNEX Telephone
	JULIU HORVATH S GYROTONICS	NYNEX Telephone
	LOCKSMITH	NYNEX Telephone
	LUCAS CHRISTOPHER	NYNEX Telephone
	MAGIO & SONS	NYNEX Telephone
	SAFAIN ENTERPRISES INC	NYNEX Telephone
	THOMAS AUTOMOTIVE DIAGNOSTIC CENTER INC	NYNEX Telephone
	24 HOUR LOCKSMITH	NYNEX Telephone
	24 HOUR TOWING SERVICE	NYNEX Telephone
	YOUNG JASON STUDIO	NYNEX Telephone
	A CLASSICAL RECORD	NYNEX Telephone
	A EMERGENCY TOWING	NYNEX Telephone
	A LOCKSMITH	NYNEX Telephone
	A-24 HR 7 DAY TOWING SERVICE	NYNEX Telephone
	AAAA EMERGENCY TOWING	NYNEX Telephone
	AAAA 24 HOUR TOEING	NYNEX Telephone
	AURORA FINE BOOKS	NYNEX Telephone
	BONDY SOUND STUDIO	NYNEX Telephone
	BONDY STEPHEN	NYNEX Telephone
	CLASSICAL RECORD A	NYNEX Telephone
	CREATIVE PRESENTATIONS & GRAPHICS	NYNEX Telephone
	EXACLAIR INC	NYNEX Telephone
	GASS OF NY	NYNEX Telephone
	HABACKER JAMES	NYNEX Telephone
	JULIU HORVATH S GYROTONICS	NYNEX Telephone
	LOCKSMITH	NYNEX Telephone
	LUCAS CHRISTOPHER	NYNEX Telephone
	MAGIO & SONS	NYNEX Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	SAFAIN ENTERPRISES INC	NYNEX Telephone
	THOMAS AUTOMOTIVE DIAGNOSTIC CENTER INC	NYNEX Telephone
	24 HOUR LOCKSMITH	NYNEX Telephone
	24 HOUR TOWING SERVICE	NYNEX Telephone
	YOUNG JASON STUDIO	NYNEX Telephone
	A CLASSICAL RECORD	NYNEX Telephone
	A EMERGENCY TOWING	NYNEX Telephone
	A LOCKSMITH	NYNEX Telephone
	A-24 HR 7 DAY TOWING SERVICE	NYNEX Telephone
	AAAA EMERGENCY TOWING	NYNEX Telephone
	AAAA 24 HOUR TOWING	NYNEX Telephone
	AURORA FINE BOOKS	NYNEX Telephone
	BONDY SOUND STUDIO	NYNEX Telephone
	BONDY STEPHEN	NYNEX Telephone
	CLASSICAL RECORD A	NYNEX Telephone
	CREATIVE PRESENTATIONS & GRAPHICS	NYNEX Telephone
	EXACLAIR INC	NYNEX Telephone
	GASS OF NY	NYNEX Telephone
	HABACKER JAMES	NYNEX Telephone
	1993	AURORA FINE BOOKS
BONDY SOUND INC		NYNEX Telephone
CLASSICAL RECORD A		NYNEX Telephone
CULTURE DESIGN LTD		NYNEX Telephone
HIT LIS RECERDS		NYNEX Telephone
LUCAS CHRISTOPHER		NYNEX Telephone
MAGLIO & SONS		NYNEX Telephone
SAFAIN ENTERPRISES INC		NYNEX Telephone
SOVERIGN AMER ARTS CORP		NYNEX Telephone
AURORA FINE BOOKS		NYNEX Telephone
BONDY SOUND INC		NYNEX Telephone
CLASSICAL RECORD A		NYNEX Telephone
CULTURE DESIGN LTD		NYNEX Telephone
HIT LIS RECERDS		NYNEX Telephone
LUCAS CHRISTOPHER		NYNEX Telephone
MAGLIO & SONS		NYNEX Telephone
SAFAIN ENTERPRISES INC		NYNEX Telephone
SOVERIGN AMER ARTS CORP		NYNEX Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	AURORA FINE BOOKS	NYNEX Telephone
	BONDY SOUND INC	NYNEX Telephone
	CLASSICAL RECORD A	NYNEX Telephone
	CULTURE DESIGN LTD	NYNEX Telephone
	HIT LIS RECERDS	NYNEX Telephone
	LUCAS CHRISTOPHER	NYNEX Telephone
	MAGLIO & SONS	NYNEX Telephone
	SAFAIN ENTERPRISES INC	NYNEX Telephone
	SOVERIGN AMER ARTS CORP	NYNEX Telephone
1988	A S I SIGN SYSTEMS	NYNEX Telephone
	A S I SIGN SYSTEMS NEW YORK	NYNEX Telephone
	CULTURE DESIGN LTD	NYNEX Telephone
	DIXWOOD STUDIO	NYNEX Telephone
	MAGLIO & SONS	NYNEX Telephone
	MENTING DIX	NYNEX Telephone
	NEW YORK SIGN SYSTEMS INC	NYNEX Telephone
	SAFIAN ENTERPRISES INC	NYNEX Telephone
	SAFIAN ENTERPRISES INC	NYNEX Telephone
	TANK ALTERNATIVE INC	NYNEX Telephone
	A S I SIGN SYSTEMS	NYNEX Telephone
	A S I SIGN SYSTEMS NEW YORK	NYNEX Telephone
	CULTURE DESIGN LTD	NYNEX Telephone
	DIXWOOD STUDIO	NYNEX Telephone
	MAGLIO & SONS	NYNEX Telephone
	MENTING DIX	NYNEX Telephone
	NEW YORK SIGN SYSTEMS INC	NYNEX Telephone
	SAFIAN ENTERPRISES INC	NYNEX Telephone
	SAFIAN ENTERPRISES INC	NYNEX Telephone
	TANK ALTERNATIVE INC	NYNEX Telephone
	A S I SIGN SYSTEMS	NYNEX Telephone
	A S I SIGN SYSTEMS NEW YORK	NYNEX Telephone
	CULTURE DESIGN LTD	NYNEX Telephone
	DIXWOOD STUDIO	NYNEX Telephone
	MAGLIO & SONS	NYNEX Telephone
	MENTING DIX	NYNEX Telephone
	NEW YORK SIGN SYSTEMS INC	NYNEX Telephone
	SAFIAN ENTERPRISES INC	NYNEX Telephone
SAFIAN ENTERPRISES INC	NYNEX Telephone	

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1988	TANK ALTERNATIVE INC	NYNEX Telephone
1983	A S I SIGN SYSTEMS NEW YORK	New York Telephone
	BOOK TRADING LTD	New York Telephone
	DESIGN COLOR GRAPHICS LTD	New York Telephone
	LAMPLIGHT PUBLISHING INC	New York Telephone
	NEW YORK SIGN SYSTEMS INC	New York Telephone
	SAFIAN ENTERPRISES INC	New York Telephone
	SAFIAN ENTERPRISES INC	New York Telephone
	SCROLL PRESS INC	New York Telephone
	A S I SIGN SYSTEMS NEW YORK	New York Telephone
	BOOK TRADING LTD	New York Telephone
	DESIGN COLOR GRAPHICS LTD	New York Telephone
	LAMPLIGHT PUBLISHING INC	New York Telephone
	NEW YORK SIGN SYSTEMS INC	New York Telephone
	SAFIAN ENTERPRISES INC	New York Telephone
	SAFIAN ENTERPRISES INC	New York Telephone
	SCROLL PRESS INC	New York Telephone
	A S I SIGN SYSTEMS NEW YORK	New York Telephone
	BOOK TRADING LTD	New York Telephone
	DESIGN COLOR GRAPHICS LTD	New York Telephone
	LAMPLIGHT PUBLISHING INC	New York Telephone
	NEW YORK SIGN SYSTEMS INC	New York Telephone
	SAFIAN ENTERPRISES INC	New York Telephone
	SAFIAN ENTERPRISES INC	New York Telephone
	SCROLL PRESS INC	New York Telephone
1973	HANDBAG CO INC	New York Telephone
	HANDBAG CO INC	New York Telephone
	HANDBAG CO INC	New York Telephone
1968	HANDI BAG CO INC SHOWRM	New York Telephone
	HANDI BAG CO INC SHOWRM	New York Telephone
	HANDI BAG CO INC SHOWRM	New York Telephone
1963	HANDI-BAG CO INC	New York Telephone
	HANDI-BAG CO INC	New York Telephone
	HANDI-BAG CO INC	New York Telephone
1958	HANDI-BAG CO INC	New York Telephone
	HANDI-BAG CO INC	New York Telephone
	HANDI-BAG CO INC	New York Telephone
1956	HANDI-BAG CO INC	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1956	HANDI-BAG CO INC	New York Telephone
	HANDI-BAG CO INC	New York Telephone
1950	PENNINGTON INC FURN	New York Telephone
	PENNINGTON INC FURN	New York Telephone
	PENNINGTON INC FURN	New York Telephone

### 554 W 28 ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1998	LEONARD POWERS INC	NYNEX Telephone
	LEONARD POWERS INC	NYNEX Telephone
	LEONARD POWERS INC	NYNEX Telephone
1993	HMS SUPPLY CORP	NYNEX Telephone
	LEONARD & POWERS VALVE REPR CORP	NYNEX Telephone
	SPENCE VALVES	NYNEX Telephone
	HMS SUPPLY CORP	NYNEX Telephone
	LEONARD & POWERS VALVE REPR CORP	NYNEX Telephone
	SPENCE VALVES	NYNEX Telephone
	HMS SUPPLY CORP	NYNEX Telephone
	LEONARD & POWERS VALVE REPR CORP	NYNEX Telephone
	SPENCE VALVES	NYNEX Telephone
1988	H M S SUPPLY CORP	NYNEX Telephone
	LEONARD & POWERS VALVE REPR CORP	NYNEX Telephone
	SPENCE VALVES	NYNEX Telephone
	H M S SUPPLY CORP	NYNEX Telephone
	LEONARD & POWERS VALVE REPR CORP	NYNEX Telephone
	SPENCE VALVES	NYNEX Telephone
	H M S SUPPLY CORP	NYNEX Telephone
	LEONARD & POWERS VALVE REPR CORP	NYNEX Telephone
	SPENCE VALVES	NYNEX Telephone
1983	HMS SUPPLY CORP	New York Telephone
	LEONARD & POWERS VALVE REPR CORP	New York Telephone
	SPENCE VALVES	New York Telephone
	HMS SUPPLY CORP	New York Telephone
	LEONARD & POWERS VALVE REPR CORP	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	SPENCE VALVES	New York Telephone
	HMS SUPPLY CORP	New York Telephone
	LEONARD & POWERS VALVE REPR CORP	New York Telephone
1978	SPENCE VALVES	New York Telephone
	HMS SUPPLY CORP	New York Telephone
	LEONARD & POWERS VALVE REPR CORP	New York Telephone
	SPENCE VALVES	New York Telephone
	HMS SUPPLY CORP	New York Telephone
	LEONARD & POWERS VALVE REPR CORP	New York Telephone
	SPENCE VALVES	New York Telephone
	HMS SUPPLY CORP	New York Telephone
	LEONARD & POWERS VALVE REPR CORP	New York Telephone
	SPENCE VALVES	New York Telephone
1973	HMS SUPPLY CORP	New York Telephone
	LEONARD & POWERS VALVE REPR CORP	New York Telephone
	HMS SUPPLY CORP	New York Telephone
	LEONARD & POWERS VALVE REPR CORP	New York Telephone
	HMS SUPPLY CORP	New York Telephone
	LEONARD & POWERS VALVE REPR CORP	New York Telephone
1968	LEONARD & POWERS VALVE REPR CO	New York Telephone
	LEONARD & POWERS VALVE REPR CO	New York Telephone
	LEONARD & POWERS VALVE REPR CO	New York Telephone
1958	FRIGID FOOD PRODS INC	New York Telephone
	FRIGID FOOD PRODS INC	New York Telephone
	FRIGID FOOD PRODS INC	New York Telephone
1956	FRIGID FOOD PRODS INC	New York Telephone
	FRIGID FOOD PRODS INC	New York Telephone
	FRIGID FOOD PRODS INC	New York Telephone
1950	FRIGID FOOD PRODS INC	New York Telephone
	FRIGID FOOD PRODS INC	New York Telephone
	FRIGID FOOD PRODS INC	New York Telephone
1947	FRIGID FOOD PRODS INC	New York Telephone
	FRIGID FOOD PRODS INC	New York Telephone
	FRIGID FOOD PRODS INC	New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1942	FRIGID FOOD PRODS INC	New York Telephone
	FRIGID FOOD PRODS INC	New York Telephone
	FRIGID FOOD PRODS INC	New York Telephone
1938	FRIGID FOOD PRODS INC	New York Telephone
	FRIGID FOOD PRODS INC	New York Telephone
	FRIGID FOOD PRODS INC	New York Telephone
1927	WALLACE J & W C GENL CONTRS	New York Telephone
	WALLACE J & W C GENL CONTRS	New York Telephone
	WALLACE J & W C GENL CONTRS	New York Telephone

### W 28TH

#### 543 W 28TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Hencken Henry coal	New York Telephone
	Hencken Henry coal	New York Telephone
	Hencken Henry coal	New York Telephone

#### 544 W 28TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Taylor Jas & Sons Imbr	New York Telephone
	Taylor Jas & Sons Imbr	New York Telephone
	Taylor Jas & Sons Imbr	New York Telephone

#### 554 W 28TH

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Wallace J & W C genl contrs	New York Telephone
	Wallace J & W C genl contrs	New York Telephone
	Wallace J & W C genl contrs	New York Telephone

### W 28TH ST

#### 535 W 28TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	K & D Export Import Corp	New York Telephone
	K & D Export Import Corp	New York Telephone
	K & D Export Import Corp	New York Telephone

## FINDINGS

### 536 W 28TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Scores West Side 3 R	Hill-Donnelly Information Services
	Scores West Side 3 R	Hill-Donnelly Information Services
	Scores West Side 3 R	Hill-Donnelly Information Services

### 538 W 28TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	Kinney System Inc	New York Telephone
	Kinney System Inc	New York Telephone
	Kinney System Inc	New York Telephone
	Kinney System Inc	New York Telephone
	Kinney System Inc	New York Telephone
	Kinney System Inc	New York Telephone

### 539 W 28TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	Di Maggio Thos A Truckg Co	New York Telephone
	Di Maggio Thos A Truckg Co	New York Telephone
	Di Maggio Thos A Truckg Co	New York Telephone

### 544 W 28TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Economy Gates Inc	Hill-Donnelly Information Services
	Economy Gates Inc	Hill-Donnelly Information Services
	Economy Gates Inc	Hill-Donnelly Information Services
2000	MIKES AUTO INC	Cole Information Services
	ECONOMY GATES INC	Cole Information Services
	ECONOMY GATES INC	Cole Information Services
	MIKES AUTO INC	Cole Information Services
	ECONOMY GATES INC	Cole Information Services
	MIKES AUTO INC	Cole Information Services

### 545 W 28TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	New York Builders Supply Corp	Hill-Donnelly Information Services
	New York Builders Supply Corp	Hill-Donnelly Information Services
	New York Builders Supply Corp	Hill-Donnelly Information Services
2000	NY BLDRS SUPL CRP	Cole Information Services
	VISIONS IN PLASTER	Cole Information Services
	NY BLDRS SUPL CRP	Cole Information Services

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	VISIONS IN PLASTER	Cole Information Services
	NY BLDRS SUPL CRP	Cole Information Services
	VISIONS IN PLASTER	Cole Information Services

### 546 W 28TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	BIG JOHN AT TRANS	Cole Information Services
	BIG JOHN AT TRANS	Cole Information Services
	BIG JOHN AT TRANS	Cole Information Services

### 547 W 28TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	New York Suv 1 S	Hill-Donnelly Information Services
	American AI Auto Transport Inc	Hill-Donnelly Information Services
	New York Suv 1 S	Hill-Donnelly Information Services
	American AI Auto Transport Inc	Hill-Donnelly Information Services
	New York Suv 1 S	Hill-Donnelly Information Services
	American AI Auto Transport Inc	Hill-Donnelly Information Services
2000	NEW YORK S U V	Cole Information Services
	NEW YORK S U V	Cole Information Services
	NEW YORK S U V	Cole Information Services

### 548 W 28TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Multi Unit Address	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
2000	STEPHEN BONDY	Cole Information Services
	STEPHEN BONDY	Cole Information Services
	KATHERINE PARKER	Cole Information Services
	MARC RUBIN	Cole Information Services
	JOHN SCAFORDI	Cole Information Services
	A AAAAAAAAAAAAAA	Cole Information Services
	A-AAA TOW SVC	Cole Information Services
	A CLASSICAL RECORD	Cole Information Services
	AURORA FINE BOOKS	Cole Information Services
	CHARLIES AUTO RPR	Cole Information Services
	CLASSICAL RECORD A	Cole Information Services
	CRTV GRAPHICS	Cole Information Services

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	HABACKER JAMES	Cole Information Services
	JULIU HORVATHS	Cole Information Services
	MAGLIO & SONS	Cole Information Services
	MID UP TOWING	Cole Information Services
	MID UP TOWING	Cole Information Services
	MID UP TOWING	Cole Information Services
	PSTRCH MRK RL EST	Cole Information Services
	PSTRCH RLTY ORGN	Cole Information Services
	PINETREE GROUP	Cole Information Services
	SAFAIN ENTRPRSS	Cole Information Services
	THOMAS AUTO DGNSTC	Cole Information Services
	WHITE CLOUD STUDIO	Cole Information Services
	WHIZBANG STUDIOS	Cole Information Services
	WHIZBANG STUDIOS	Cole Information Services
	YOUNG JASON STUDIO	Cole Information Services
	CHRISTOPHER LUCAS	Cole Information Services
	KATHERINE PARKER	Cole Information Services
	MARC RUBIN	Cole Information Services
	JOHN SCAFORDI	Cole Information Services
	A AAAAAAAAAAAAAA	Cole Information Services
	A-AAA TOW SVC	Cole Information Services
	A CLASSICAL RECORD	Cole Information Services
	AURORA FINE BOOKS	Cole Information Services
	CHARLIES AUTO RPR	Cole Information Services
	CLASSICAL RECORD A	Cole Information Services
	CRTV GRAPHICS	Cole Information Services
	HABACKER JAMES	Cole Information Services
	JULIU HORVATHS	Cole Information Services
	MAGLIO & SONS	Cole Information Services
	MID UP TOWING	Cole Information Services
	MID UP TOWING	Cole Information Services
	MID UP TOWING	Cole Information Services
	PSTRCH MRK RL EST	Cole Information Services
	PSTRCH RLTY ORGN	Cole Information Services
	PINETREE GROUP	Cole Information Services
	SAFAIN ENTRPRSS	Cole Information Services
	THOMAS AUTO DGNSTC	Cole Information Services
	WHITE CLOUD STUDIO	Cole Information Services

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	WHIZBANG STUDIOS	Cole Information Services
	WHIZBANG STUDIOS	Cole Information Services
	YOUNG JASON STUDIO	Cole Information Services
	CHRISTOPHER LUCAS	Cole Information Services
	KATHERINE PARKER	Cole Information Services
	MARC RUBIN	Cole Information Services
	JOHN SCAFORDI	Cole Information Services
	A AAAAAAAAAAAAAA	Cole Information Services
	A-AAA TOW SVC	Cole Information Services
	A CLASSICAL RECORD	Cole Information Services
	AURORA FINE BOOKS	Cole Information Services
	CHARLIES AUTO RPR	Cole Information Services
	CLASSICAL RECORD A	Cole Information Services
	CRTV GRAPHICS	Cole Information Services
	HABACKER JAMES	Cole Information Services
	JULIU HORVATHS	Cole Information Services
	MAGLIO & SONS	Cole Information Services
	MID UP TOWING	Cole Information Services
	MID UP TOWING	Cole Information Services
	MID UP TOWING	Cole Information Services
	PSTRCH MRK RL EST	Cole Information Services
	PSTRCH RLTY ORGN	Cole Information Services
	PINETREE GROUP	Cole Information Services
	SAFAIN ENTRPRSS	Cole Information Services
	THOMAS AUTO DGNSTC	Cole Information Services
	WHITE CLOUD STUDIO	Cole Information Services
	WHIZBANG STUDIOS	Cole Information Services
	WHIZBANG STUDIOS	Cole Information Services
	YOUNG JASON STUDIO	Cole Information Services
	CHRISTOPHER LUCAS	Cole Information Services
	STEPHEN BONDY	Cole Information Services
	1983	A S I Sign Systems New York
Book Trading Ltd		New York Telephone
Lamplight Publshng Inc		New York Telephone
New York Sign Systems Inc		New York Telephone
SAFIAN ENTERPRISES INC		New York Telephone
SAFIAN ENTERPRISES INC		New York Telephone
Scroll Press Inc		New York Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	A S I Sign Systems New York	New York Telephone
	Book Trading Ltd	New York Telephone
	Lamplight Publshng Inc	New York Telephone
	New York Sign Systems Inc	New York Telephone
	SAFIAN ENTERPRISES INC	New York Telephone
	SAFIAN ENTERPRISES INC	New York Telephone
	Scroll Press Inc	New York Telephone
	A S I Sign Systems New York	New York Telephone
	Book Trading Ltd	New York Telephone
	Lamplight Publshng Inc	New York Telephone
	New York Sign Systems Inc	New York Telephone
	SAFIAN ENTERPRISES INC	New York Telephone
	SAFIAN ENTERPRISES INC	New York Telephone
	Scroll Press Inc	New York Telephone

### 549 W 28TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	A1 COLLISION INC	Cole Information Services
	A1 COLLISION INC	Cole Information Services
	A1 COLLISION INC	Cole Information Services

### 554 W 28TH ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	Eagle Open Kitchen i	Hill-Donnelly Information Services
	Eagle Open Kitchen i	Hill-Donnelly Information Services
	Eagle Open Kitchen i	Hill-Donnelly Information Services
2000	A-AAA TOWING EMER	Cole Information Services
	BIG JOHN AUTO INC	Cole Information Services
	EMRGNCY A LOKSMTH	Cole Information Services
	EMERGENCY A TOWING	Cole Information Services
	LEONARD POWERS INC	Cole Information Services
	A-AAA TOWING EMER	Cole Information Services
	BIG JOHN AUTO INC	Cole Information Services
	EMRGNCY A LOKSMTH	Cole Information Services
	EMERGENCY A TOWING	Cole Information Services
	LEONARD POWERS INC	Cole Information Services
	TOWING 1	Cole Information Services
	A-AAA TOWING EMER	Cole Information Services
	BIG JOHN AUTO INC	Cole Information Services

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	EMRGNCY A LOKSMTH	Cole Information Services
	EMERGENCY A TOWING	Cole Information Services
	LEONARD POWERS INC	Cole Information Services
	TOWING 1	Cole Information Services
	TOWING 1	Cole Information Services
1983	Spence Valves	New York Telephone
	Leonard & Powers Valve Repr Corp	New York Telephone
	HMS Supply Corp	New York Telephone
	Spence Valves	New York Telephone
	Leonard & Powers Valve Repr Corp	New York Telephone
	HMS Supply Corp	New York Telephone
	Spence Valves	New York Telephone
	Leonard & Powers Valve Repr Corp	New York Telephone
	HMS Supply Corp	New York Telephone

## FINDINGS

### TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

#### Address Researched

West 28th Street

#### Address Not Identified in Research Source

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

### ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

#### Address Researched

525 W 27th St

#### Address Not Identified in Research Source

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

527 W 27th St

2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

529 W 27th St

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

531 W 27th St

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

535 W 28 ST

2006, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1938, 1934, 1931, 1927, 1923, 1920

535 W 28 ST

2006, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1938, 1934, 1931, 1927, 1923, 1920

535 W 28 ST

2006, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1938, 1934, 1931, 1927, 1923, 1920

535 W 28TH ST

2006, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

535 W 28TH ST

2006, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

535 W 28TH ST

2006, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

536 W 28TH ST

2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

536 W 28TH ST

2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

536 W 28TH ST

2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

538 W 28 ST

2006, 2000, 1998, 1996, 1978, 1973, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

538 W 28 ST

2006, 2000, 1998, 1996, 1978, 1973, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

538 W 28 ST

2006, 2000, 1998, 1996, 1978, 1973, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920





## FINDINGS

### **Address Researched**

548 W 28 ST

548 W 28 ST

548 W 28 ST

548 W 28TH ST

548 W 28TH ST

548 W 28TH ST

549 W 28TH ST

549 W 28TH ST

549 W 28TH ST

554 W 28 ST

554 W 28 ST

554 W 28 ST

554 W 28TH

554 W 28TH

554 W 28TH

554 W 28TH ST

554 W 28TH ST

554 W 28TH ST

### **Address Not Identified in Research Source**

2006, 2000, 1996, 1978, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

2006, 2000, 1996, 1978, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

2006, 2000, 1996, 1978, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

2006, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

2006, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

2006, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

2006, 2000, 1996, 1963, 1934, 1931, 1923, 1920

2006, 2000, 1996, 1963, 1934, 1931, 1923, 1920

2006, 2000, 1996, 1963, 1934, 1931, 1923, 1920

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920

2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920

1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

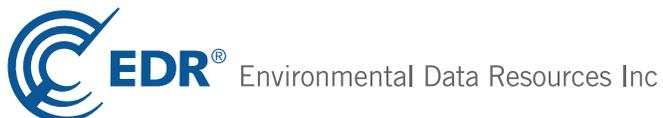
Appendix C:  
Environmental Database Report

**526-532 W 28TH ST**  
526-532 W 28TH ST  
New York, NY 10001

Inquiry Number: 3567877.1s  
April 05, 2013

## The EDR Radius Map™ Report with GeoCheck®

Prepared using the EDR FieldCheck® System



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary .....	ES1
Overview Map .....	2
Detail Map .....	3
Map Findings Summary .....	4
Map Findings .....	8
Orphan Summary .....	655
Government Records Searched/Data Currency Tracking .....	GR-1
 <b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum .....	A-1
Physical Setting Source Summary .....	A-2
Physical Setting Source Map .....	A-8
Physical Setting Source Map Findings .....	A-9
Physical Setting Source Records Searched .....	A-11

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## EXECUTIVE SUMMARY

A search of the environmental records was conducted by Environmental Data Resources, Inc. (EDR). THE CHAZEN COMPANIES used the EDR FieldCheck System to review and/or revise the results of this search, based on independent data verification by THE CHAZEN COMPANIES. The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

526-532 W 28TH ST  
NEW YORK, NY 10001

#### COORDINATES

Latitude (North): 40.7511000 - 40° 45' 3.96"  
Longitude (West): 74.0035000 - 74° 0' 12.60"  
Universal Transverse Mercator: Zone 18  
UTM X (Meters): 584124.6  
UTM Y (Meters): 4511393.5  
Elevation: 13 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 40074-G1 WEEHAWKEN, NJ NY  
Most Recent Revision: 1995

East Map: 40073-G8 CENTRAL PARK, NY NJ  
Most Recent Revision: 1995

Southeast Map: 40073-F8 BROOKLYN, NY  
Most Recent Revision: 1995

South Map: 40074-F1 JERSEY CITY, NJ NY  
Most Recent Revision: 1981

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2010, 2011  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## EXECUTIVE SUMMARY

### DATABASES WITH NO MAPPED SITES

No sites were identified in following databases.

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

#### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

#### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing

#### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

#### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

#### ***Federal RCRA generators list***

RCRA-SQG..... RCRA - Small Quantity Generators

#### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System

#### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

#### ***State- and tribal - equivalent CERCLIS***

NY SHWS..... Inactive Hazardous Waste Disposal Sites in New York State  
NJ SHWS..... Known Contaminated Sites in New Jersey  
NY VAPOR REOPENED..... Vapor Intrusion Legacy Site List

#### ***State and tribal landfill and/or solid waste disposal site lists***

NJ SWF/LF..... Solid Waste Facility Directory

#### ***State and tribal leaking storage tank lists***

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

#### ***State and tribal registered storage tank lists***

NJ UST..... Underground Storage Tank Data

## EXECUTIVE SUMMARY

NY CBS UST.....	Chemical Bulk Storage Database
NY MOSF UST.....	Major Oil Storage Facilities Database
NY CBS AST.....	Chemical Bulk Storage Database
NY MOSF AST.....	Major Oil Storage Facilities Database
NY MOSF.....	Major Oil Storage Facility Site Listing
NY CBS.....	Chemical Bulk Storage Site Listing
INDIAN UST.....	Underground Storage Tanks on Indian Land
FEMA UST.....	Underground Storage Tank Listing

### ***State and tribal institutional control / engineering control registries***

NJ ENG CONTROLS.....	Declaration Environmental Restriction/Deed Notice Sites
NJ INST CONTROL.....	Classification Exception Area Sites
NY RES DECL.....	Restrictive Declarations Listing

### ***State and tribal voluntary cleanup sites***

INDIAN VCP.....	Voluntary Cleanup Priority Listing
NJ VCP.....	Voluntary Cleanup Program Sites

### ***State and tribal Brownfields sites***

NY ERP.....	Environmental Restoration Program Listing
NJ BROWNFIELDS.....	Brownfields Database

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

US BROWNFIELDS.....	A Listing of Brownfields Sites
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#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

ODI.....	Open Dump Inventory
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
NY SWRCY.....	Registered Recycling Facility List
NY SWTIRE.....	Registered Waste Tire Storage & Facility List
NJ SWRCY.....	Approved Class B Recycling Facilities
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands

#### ***Local Lists of Hazardous waste / Contaminated Sites***

US CDL.....	Clandestine Drug Labs
NY DEL SHWS.....	Delisted Registry Sites
US HIST CDL.....	National Clandestine Laboratory Register

#### ***Local Land Records***

LIENS 2.....	CERCLA Lien Information
NY LIENS.....	Spill Liens Information
NJ LIENS.....	Environmental LIENS

#### ***Records of Emergency Release Reports***

HMIRS.....	Hazardous Materials Information Reporting System
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## EXECUTIVE SUMMARY

### **Other Ascertainable Records**

DOT OPS.....	Incident and Accident Data
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
UMTRA.....	Uranium Mill Tailings Sites
US MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
NY HSWDS.....	Hazardous Substance Waste Disposal Site Inventory
NY UIC.....	Underground Injection Control Wells
NJ UIC.....	Underground Injection Wells Database
NJ DRYCLEANERS.....	Drycleaner List
NY AIRS.....	Air Emissions Data
NY E DESIGNATION.....	E DESIGNATION SITE LISTING
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
NY COAL ASH.....	Coal Ash Disposal Site Listing
NJ COAL ASH.....	Coal Ash Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
NJ Financial Assurance.....	Financial Assurance Information Listing
COAL ASH DOE.....	Steam-Electric Plant Operation Data
PCB TRANSFORMER.....	PCB Transformer Registration Database
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List

### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

An online review and analysis by THE CHAZEN COMPANIES of the NPL list, as provided by EDR, and dated 02/01/2013 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HUDSON RIVER PCBS</b>	<b>NO STREET APPLICABLE</b>	<b>WNW 1/4 - 1/2 (0.310 mi.)</b>	<b>0</b>	<b>8</b>

#### ***Federal CERCLIS list***

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

An online review and analysis by THE CHAZEN COMPANIES of the CERCLIS list, as provided by EDR, and dated 02/04/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HUDSON RIVER PCBS</b>	<b>NO STREET APPLICABLE</b>	<b>WNW 1/4 - 1/2 (0.310 mi.)</b>	<b>0</b>	<b>8</b>

#### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

An online review and analysis by THE CHAZEN COMPANIES of the CERC-NFRAP list, as provided by EDR, and dated 02/05/2013 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MANHATTAN GENERAL MAIL FACILIT</b>	<b>WEST 29TH &amp; 9TH AVE</b>	<b>ESE 1/8 - 1/4 (0.249 mi.)</b>	<b>AF201</b>	<b>412</b>

## EXECUTIVE SUMMARY

### ***Federal RCRA generators list***

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

An online review and analysis by THE CHAZEN COMPANIES of the RCRA-CESQG list, as provided by EDR, and dated 02/12/2013 has revealed that there is 1 RCRA-CESQG site within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TENANTS IN COMMON 27TH STREET	537-545 W 27TH ST	0 - 1/8 (0.001 mi.)	A2	40

### ***State and tribal landfill and/or solid waste disposal site lists***

NY SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

An online review and analysis by THE CHAZEN COMPANIES of the NY SWF/LF list, as provided by EDR, and dated 01/07/2013 has revealed that there are 2 NY SWF/LF sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>RED BALL INTERIOR DEMOLITION</b>	<b>625 WEST 29 STREET</b>	<b>NNW 1/8 - 1/4 (0.134 mi.)</b>	<b>L104</b>	<b>251</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CON EDISON-W 28TH STREET</b>	<b>281 11TH AVENUE</b>	<b>NW 1/8 - 1/4 (0.173 mi.)</b>	<b>W137</b>	<b>306</b>

### ***State and tribal leaking storage tank lists***

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

An online review and analysis by THE CHAZEN COMPANIES of the NY LTANKS list, as provided by EDR, and dated 02/19/2013 has revealed that there are 51 NY LTANKS sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PARKING LOT OF Date Closed: 12/7/1998	515 WEST 28TH ST	E 0 - 1/8 (0.020 mi.)	B12	63
CENTRAL IRON Date Closed: 12/15/2003	505 WEST 27TH STREET	SE 0 - 1/8 (0.049 mi.)	D18	69
<b>HIGH RIDGE ENTERPRISES</b> Date Closed: 3/4/2003	<b>524 WEST 29TH STREET</b>	<b>NE 0 - 1/8 (0.056 mi.)</b>	<b>F23</b>	<b>75</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DEL. SPILL /W.28ST.&10AV Date Closed: 12/4/1986	W. 26TH ST & 10TH AVE	SSE 0 - 1/8 (0.068 mi.)	D28	93
<b>M&amp;L WESTSIDE AUTO REPAIR</b> Date Closed: 2/5/1987 Date Closed: 12/5/1986	<b>303 10TH AVE</b>	<b>ESE 0 - 1/8 (0.069 mi.)</b>	<b>D31</b>	<b>105</b>
Not reported Date Closed: 9/2/2003 Date Closed: 10/26/2005	550 WEST 30TH STREET	NNE 0 - 1/8 (0.106 mi.)	M85	205
<b>ELLIOTT HOUSES -NYCHA</b> Date Closed: 2/6/2006	<b>426 WEST 27TH ST</b>	<b>SE 1/8 - 1/4 (0.168 mi.)</b>	<b>T121</b>	<b>281</b>
STUART DEAN COMPANY Date Closed: 5/31/2006	366 10TH AV	ENE 1/8 - 1/4 (0.179 mi.)	X144	321
HELIPORT W 30TH ST/MANH NY CLEARINGHOUSE 303 9TH AV/DEPT OF HEALTH Date Closed: 3/5/2003	HELIPORT/W.30TH ST & 12 450 W33RD ST 303 9TH AVENUE	E 1/8 - 1/4 (0.198 mi.) ENE 1/8 - 1/4 (0.230 mi.) ESE 1/8 - 1/4 (0.243 mi.)	X152 AE182 AF196	338 386 404
PS 33 Date Closed: 12/31/1997 Date Closed: 3/3/2003	281 9TH AVE	SE 1/8 - 1/4 (0.244 mi.)	AA197	405
<b>400 WEST 25TH STREET</b> Date Closed: 11/17/1993	<b>400 WEST 25TH STREET</b>	<b>SE 1/4 - 1/2 (0.260 mi.)</b>	<b>AD212</b>	<b>425</b>
528 W 34TH ST Date Closed: 4/16/1993	528 W 34TH ST	NNE 1/4 - 1/2 (0.301 mi.)	AS257	491
530 WEST 34TH ST/MANH Date Closed: 2/2/1990	530 WEST 34TH STREET	NNE 1/4 - 1/2 (0.302 mi.)	AS259	494
ROY WEIDENER MOTOR LINE Date Closed: 11/9/1989	651 W 33ST,MARSHALLING	N 1/4 - 1/2 (0.305 mi.)	268	517
NYNEX GARAGE Date Closed: 12/26/1995	555 W. 34TH ST	NNE 1/4 - 1/2 (0.310 mi.)	AS278	534
<b>MEUSHER 34TH ST LLC</b> Date Closed: 8/6/1996	<b>555 WEST 34TH STREET</b>	<b>NNE 1/4 - 1/2 (0.310 mi.)</b>	<b>AS280</b>	<b>537</b>
MINICK HOME Date Closed: 3/10/2006	440 WEST 22ND STREET	S 1/4 - 1/2 (0.310 mi.)	282	542
34TH ST. & 10TH AVE./AMOC Date Closed: 10/5/1987	34TH ST. & 10TH AVE.	NE 1/4 - 1/2 (0.312 mi.)	AU286	547
34TH ST. AND 10TH AVE./AM Date Closed: 9/1/1987	34TH ST.& 10TH AVE.	NE 1/4 - 1/2 (0.312 mi.)	AU287	548
425 WEST 33RD ST Date Closed: 10/11/1996 Date Closed: 9/11/2006	425 WEST 33RD ST	ENE 1/4 - 1/2 (0.322 mi.)	AW293	554
527 WEST 34TH ST Date Closed: 4/23/2007	527 WEST 34TH ST	NNE 1/4 - 1/2 (0.330 mi.)	AT298	567
UPSCALE DEVELOPMENT Date Closed: 12/31/1997	349 WEST 30TH ST 1ST FL	E 1/4 - 1/2 (0.337 mi.)	AX305	575
APARTMENT BUILDING Date Closed: 11/22/1996	347 WEST 29TH ST	ESE 1/4 - 1/2 (0.338 mi.)	AY307	577
CONSTRUCTION SITE Date Closed: 12/13/2001	529 WEST 35TH ST	NNE 1/4 - 1/2 (0.356 mi.)	321	612

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PENSKE TRUCK LEASING CO L P</b> Date Closed: 1/21/1993	<b>536 W 26TH ST</b>	<b>WSW 0 - 1/8 (0.068 mi.)</b>	<b>E29</b>	<b>94</b>
271 11TH AVE Date Closed: 12/29/1988	271 11TH AVE	WNW 0 - 1/8 (0.080 mi.)	H52	157
COMMERCIAL BUILDING Date Closed: 6/27/2005	260 11TH AVE	WNW 0 - 1/8 (0.082 mi.)	I58	166
Not reported Date Closed: 4/11/2003	543 - 545 WEST 25TH ST	SW 0 - 1/8 (0.091 mi.)	E73	184
<b>26 TH &amp; 11TH AVE</b> Date Closed: 10/16/1997	<b>601 WEST 26TH STREET</b>	<b>W 0 - 1/8 (0.121 mi.)</b>	<b>P92</b>	<b>236</b>
601 W. 26TH ST Date Closed: 12/12/1994	601 W. 26TH ST	W 0 - 1/8 (0.121 mi.)	P94	240
VACANT LOT Date Closed: 3/16/2005	511 WEST 24TH STREET	SSW 1/8 - 1/4 (0.152 mi.)	R108	257
239 10TH AVENUE/GETTY Date Closed: 7/16/1992 Date Closed: 7/29/1994	239 10TH AVENUE	S 1/8 - 1/4 (0.159 mi.)	R112	268
<b>GETTY GAS STATION</b> Date Closed: 7/29/1994	<b>239 10 AV</b>	<b>S 1/8 - 1/4 (0.159 mi.)</b>	<b>R113</b>	<b>270</b>
NYC DEPT OF SANITATION Date Closed: 5/22/2009	640 WEST 26TH ST	W 1/8 - 1/4 (0.166 mi.)	P118	277
201 11TH AVE/MANH/USPS Date Closed: 3/4/2003 Date Closed: 5/11/1990	201 11TH AVENUE	WSW 1/8 - 1/4 (0.173 mi.)	Q132	298
Not reported Date Closed: 6/8/2007	537 -541 W. 24TH ST	SSW 1/8 - 1/4 (0.185 mi.)	R147	325
COMMERICAL BUILDLING Date Closed: 11/27/2012	521 WEST 23RD STREET	SSW 1/8 - 1/4 (0.192 mi.)	R150	330
EDISON PARKING GARAGE Date Closed: 5/27/2004	527 WEST 23RD ST	SSW 1/8 - 1/4 (0.203 mi.)	Z157	346
<b>MENDON LEASING</b> Date Closed: 12/3/1986 Date Closed: 2/22/2001 <i>*Additional key fields are available in the Map Findings section</i>	<b>527 WEST 23RD STREET</b>	<b>SSW 1/8 - 1/4 (0.204 mi.)</b>	<b>Z160</b>	<b>349</b>
555 WEST 23RD ST Date Closed: 4/7/2006	555 WEST 23RD ST	SW 1/8 - 1/4 (0.205 mi.)	Z162	358
<b>562 W 23RD ST/MANHATTAN</b> Date Closed: 6/21/2000 Date Closed: 12/10/2002	<b>562 WEST 23RD STREET</b>	<b>SW 1/8 - 1/4 (0.208 mi.)</b>	<b>Z165</b>	<b>363</b>
168-11 12TH AVENUE Date Closed: 9/30/1992	168-11 12TH AVENUE	WNW 1/8 - 1/4 (0.224 mi.)	180	383
D26TH ST. & HUDSON PKWY. Date Closed: 3/31/1995	26TH ST. & HUDSON PKWY.	NW 1/8 - 1/4 (0.232 mi.)	184	389
30TH ST HELIPORT/MANH Date Closed: 11/12/1992	30TH STREET HELIPORT	NW 1/4 - 1/2 (0.262 mi.)	AM218	435
W 30TH HELIPORT/MANHATTAN Date Closed: 12/30/2003	W 30TH ST HELIPORT	NW 1/4 - 1/2 (0.262 mi.)	AM220	437

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
193 10TH AVE Date Closed: 1/19/1993	193 10TH AVE	SSW 1/4 - 1/2 (0.287 mi.)	AO245	463
<b>GREYHOUND GARAGE</b> Date Closed: 1/23/2004 Date Closed: 5/11/2004	<b>260 12TH AVE</b>	<b>NNW 1/4 - 1/2 (0.295 mi.)</b>	<b>253</b>	<b>481</b>
535 EAST 21ST STREET Date Closed: 2/25/1993	535 EAST 21ST STREET	SSW 1/4 - 1/2 (0.305 mi.)	AK269	518
<b>NEW YORK STATE DEC</b> Date Closed: 12/17/1997	<b>507 W 21ST ST</b>	<b>SSW 1/4 - 1/2 (0.305 mi.)</b>	<b>AQ271</b>	<b>520</b>

### **State and tribal registered storage tank lists**

NY TANKS: This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

An online review and analysis by THE CHAZEN COMPANIES of the NY TANKS list, as provided by EDR, and dated 01/02/2013 has revealed that there is 1 NY TANKS site within approximately 0.125 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WESTSIDE OPERATIONS CENTER</b>	<b>281 11TH AVENUE</b>	<b>NW 0 - 1/8 (0.080 mi.)</b>	<b>H53</b>	<b>158</b>

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

An online review and analysis by THE CHAZEN COMPANIES of the NY UST list, as provided by EDR, and dated 01/02/2013 has revealed that there are 4 NY UST sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
537-545 W 27TH ST HART REALTY	537-545 W 27TH ST 520 WEST 27TH STREET	0 - 1/8 (0.001 mi.) SSE 0 - 1/8 (0.018 mi.)	A1 A11	35 61
<b>SEAN KELLY GALLERY/BLUMARTS, I</b> <b>MOBIL OIL-#17-510 ALBRO OPERA</b>	<b>524-532 WEST 29TH STREE</b> <b>309 11TH STREET</b>	<b>NE 0 - 1/8 (0.056 mi.)</b> <b>NNW 0 - 1/8 (0.116 mi.)</b>	<b>F24</b> <b>L89</b>	<b>82</b> <b>212</b>

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

An online review and analysis by THE CHAZEN COMPANIES of the NY AST list, as provided by EDR, and dated 01/02/2013 has revealed that there are 2 NY AST sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAM-FAY REALTY CORP. TENTH AVENUE PARTNERS, L.P.	515 WEST 29TH STREET 299/301 TENTH AVE	NE 0 - 1/8 (0.063 mi.) SE 0 - 1/8 (0.071 mi.)	F27 D32	88 111

## EXECUTIVE SUMMARY

### **State and tribal voluntary cleanup sites**

NY VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

An online review and analysis by THE CHAZEN COMPANIES of the NY VCP list, as provided by EDR, and dated 02/19/2013 has revealed that there is 1 NY VCP site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CE - E. 19TH ST. STATION	524 E. 19TH ST.	SSW 1/4 - 1/2 (0.398 mi.)	BB330	642

### **State and tribal Brownfields sites**

NY BROWNFIELDS: Brownfields Site List

An online review and analysis by THE CHAZEN COMPANIES of the NY BROWNFIELDS list, as provided by EDR, and dated 02/19/2013 has revealed that there are 6 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WEST 28TH STREET	505 W. 27TH STREET	SE 0 - 1/8 (0.049 mi.)	D19	70
<b>WEST 34TH STREET DEVELOPMENT P</b>	<b>555 WEST 34TH STREET</b>	<b>NNE 1/4 - 1/2 (0.310 mi.)</b>	<b>AS279</b>	<b>535</b>
HUDSON MEWS PROPERTY - MARTY F	403 WEST 37TH STREET AN	NE 1/4 - 1/2 (0.483 mi.)	335	653
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>511 WEST 21ST STREET</b>	<b>511 WEST 21ST STREET</b>	<b>SSW 1/4 - 1/2 (0.292 mi.)</b>	<b>AQ248</b>	<b>466</b>
<b>19TH STREET DEVELOPMENT SITE</b>	<b>80 11TH AVENUE</b>	<b>SSW 1/4 - 1/2 (0.434 mi.)</b>	<b>BD333</b>	<b>645</b>
17TH STREET DEVELOPMENT PROJEC	76 11TH AVENUE	SSW 1/4 - 1/2 (0.443 mi.)	BD334	651

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Records of Emergency Release Reports**

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

An online review and analysis by THE CHAZEN COMPANIES of the NY Spills list, as provided by EDR, and dated 02/19/2013 has revealed that there are 264 NY Spills sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HUDSON RIVER PCBS</b> Date Closed: 10/31/2003	<b>NO STREET APPLICABLE</b>	<b>WNW 1/4 - 1/2 (0.310 mi.)</b>	<b>0</b>	<b>8</b>
537 WEST 27TH ST Date Closed: 5/20/2008	537 WEST 27TH	0 - 1/8 (0.001 mi.)	A3	42

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COMMERCIAL PROPERTY Date Closed: 12/20/2011	537-545 WEST 27TH STREE	0 - 1/8 (0.001 mi.)	A4	43
CONSTRUCTION SITE Date Closed: 9/9/2008 Date Closed: 10/8/2008	537 WEST 27TH ST	0 - 1/8 (0.001 mi.)	A5	48
EXCAVATION Date Closed: 1/13/2011	538 WEST 28 ST	ENE 0 - 1/8 (0.002 mi.)	A6	52
WEST 28TH ST PARKING GAR. Date Closed: 11/25/1998	534-536 WEST 28TH STREE	NNE 0 - 1/8 (0.004 mi.)	A8	57
538 W 28TH ST Date Closed: 11/21/1994	538 W 28TH ST	NNE 0 - 1/8 (0.006 mi.)	A9	58
CONSTRUCTION SITE Date Closed: 3/13/2008	520 WEST 27TH STREET	SSE 0 - 1/8 (0.022 mi.)	A13	64
519 WEST 27TH STREET Date Closed: 7/7/1997	519 WEST 27TH STREET	SSE 0 - 1/8 (0.024 mi.)	A15	66
IN FIELD 515 Date Closed: 12/30/1996	509 WEST 28TH STREET 515 W. 27TH ST	E 0 - 1/8 (0.026 mi.) SSE 0 - 1/8 (0.029 mi.)	B16 A17	67 68
GASOLINE CONTAMINATION Date Closed: 12/6/2004	513 WEST 26TH ST	S 0 - 1/8 (0.055 mi.)	E21	72
MIDTOWN SERVICE CENTER Date Closed: 6/27/2012	548 W. 29TH STREET	NNE 0 - 1/8 (0.055 mi.)	F22	73
<b>HIGH RIDGE ENTERPRISES</b> Date Closed: 3/12/2012	<b>524 WEST 29TH STREET</b>	<b>NE 0 - 1/8 (0.056 mi.)</b>	<b>F23</b>	<b>75</b>
<b>SEAN KELLY GALLERY/BLUMARTS, I</b> Date Closed: 11/1/2004	<b>524-532 WEST 29TH STREE</b>	<b>NE 0 - 1/8 (0.056 mi.)</b>	<b>F24</b>	<b>82</b>
FORMER GAS STATION Date Closed: 10/27/2010	303 10TH AVE	ESE 0 - 1/8 (0.069 mi.)	D30	102
<b>M&amp;L WESTSIDE AUTO REPAIR</b> Date Closed: 4/23/2007	<b>303 10TH AVE</b>	<b>ESE 0 - 1/8 (0.069 mi.)</b>	<b>D31</b>	<b>105</b>
SERVICE STATION Date Closed: 10/31/1994	303 10TH AVE.	SE 0 - 1/8 (0.072 mi.)	D33	113
Not reported Date Closed: 12/16/2003	TENTH AVE. W.28TH STREE	ESE 0 - 1/8 (0.072 mi.)	G34	114
10TH AVENUE AT Date Closed: 7/3/2003	WEST 28TH STREET	ESE 0 - 1/8 (0.072 mi.)	G35	115
10 AUTO CENTER Date Closed: 10/31/1994	3761 TENTH AVENUE	ESE 0 - 1/8 (0.073 mi.)	G36	116
DRUM RUN Date Closed: 10/18/2006	WEST 28TH & 10TH AVE	ESE 0 - 1/8 (0.073 mi.)	G37	117
SERVICE BOX # 05231 Date Closed: 3/20/2008	WEST 28TH & 10TH AVE	ESE 0 - 1/8 (0.073 mi.)	G38	118
291 10TH AVENUE / NEW YOR Date Closed: 1/11/2013	291 10TH AVENUE	SE 0 - 1/8 (0.076 mi.)	D39	120
COMMERCIAL PROPERTY FORMER GAS STATION AUTO SHOP Date Closed: 5/5/2006	319-325 10TH AVE 327 10TH AVE 279 10TH AVE	E 0 - 1/8 (0.086 mi.) ENE 0 - 1/8 (0.087 mi.) SSE 0 - 1/8 (0.088 mi.)	G61 G62 J68	169 170 178

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
216786; W 26 ST AND W 10 AV Date Closed: 5/18/2009	W 26 ST AND W 10 AV	SSE 0 - 1/8 (0.090 mi.)	J69	180
VAULT 4967 Date Closed: 1/13/2011	279 10TH AVE	SSE 0 - 1/8 (0.091 mi.)	J70	181
VACANT LOT Date Closed: 6/8/2007	327 10TH AVE.	ENE 0 - 1/8 (0.091 mi.)	G71	182
MORGAN PARKING LOT Date Closed: 6/20/1995	W 29 ST / 10 AVE	ENE 0 - 1/8 (0.091 mi.)	G72	183
VACANT WAREHOUSE Date Closed: 7/16/1996	518 WEST 30TH ST	NE 0 - 1/8 (0.103 mi.)	M80	199
MOBIL STATION 17510 Date Closed: 12/14/2006 Date Closed: 11/20/2008	309 11TH AVE	NNW 0 - 1/8 (0.115 mi.)	L88	210
<b>MOBIL OIL -#17-510 ALBRO OPERA</b>	<b>309 11TH STREET</b>	<b>NNW 0 - 1/8 (0.116 mi.)</b>	<b>L89</b>	<b>212</b>
CONSTRUCTION SITE Date Closed: 9/6/2012	500 WEST 30TH ST	ENE 0 - 1/8 (0.121 mi.)	O91	235
SHAFT 26B Date Closed: 1/23/2007	10TH AVE & 30 TH STREET	ENE 1/8 - 1/4 (0.126 mi.)	O97	243
STREET Date Closed: 12/3/2004	30TH ST AND 10TH AVE	ENE 1/8 - 1/4 (0.126 mi.)	O98	244
CHELSEA HOUSES -NYCHA Date Closed: 7/21/1998	425 WEST 25TH ST	S 1/8 - 1/4 (0.126 mi.)	J99	246
SHAFT 26B Date Closed: 11/7/2007	30 & 10 STREET	ENE 1/8 - 1/4 (0.129 mi.)	O102	249
Not reported Date Closed: 7/16/2003	605 WEST 30TH ST	N 1/8 - 1/4 (0.135 mi.)	L105	252
NYC DEPT OF SANITATION Date Closed: 4/12/2010	606 WEST 30TH STREET	N 1/8 - 1/4 (0.138 mi.)	L106	254
246 10TH AVENUE Date Closed: 10/28/1994	246 10TH AVENUE	S 1/8 - 1/4 (0.160 mi.)	S114	272
<b>ELLIOTT HOUSES -NYCHA</b>	<b>426 WEST 27TH ST</b>	<b>SE 1/8 - 1/4 (0.168 mi.)</b>	<b>T121</b>	<b>281</b>
LIRR Date Closed: 4/6/2006	11TH AVE & 31ST STREET	N 1/8 - 1/4 (0.168 mi.)	123	286
VAULT 1606 & 1873 Date Closed: 11/16/2004	368-380 10TH AV	NE 1/8 - 1/4 (0.169 mi.)	U124	287
MANHOLE 56705 Date Closed: 3/15/2004	10TH AVE/W 31ST ST	NE 1/8 - 1/4 (0.169 mi.)	U125	289
CATCH BASIN Date Closed: 10/29/2008	WEST 31ST ST & 10 TH AV	NE 1/8 - 1/4 (0.169 mi.)	U126	290
CHELSEA ELLIOT MUNICIPAL HOUSI Date Closed: 7/13/2011	427 WEST 26TH ST	SE 1/8 - 1/4 (0.169 mi.)	T127	291
TRANSFORMER VAULT VS7361 Date Closed: 8/20/2004	WEST 29TH ST/11TH AVE	NNW 1/8 - 1/4 (0.172 mi.)	V128	293
29TH ST & 11TH AVE/SEWER Date Closed: 9/19/1991	29TH ST & 11TH AVE/SEWE	NNW 1/8 - 1/4 (0.172 mi.)	V129	294
11TH AVE & W 29TH ST Not reported Date Closed: 9/24/2004	11TH AVE & W 29TH ST W 29TH ST & 11TH AV	NNW 1/8 - 1/4 (0.172 mi.) NNW 1/8 - 1/4 (0.172 mi.)	V130 V131	295 296

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ELLIOT HOUSES -NYCHA Date Closed: 1/9/2006	426 WEST 27TH DRIVE	SE 1/8 - 1/4 (0.186 mi.)	T148	329
EPGR REALTY LLC WEST SIDE YARD LIRR Date Closed: 9/21/2010	449 WEST 24TH ST 10TH BTWN 33RD AND 30TH	S 1/8 - 1/4 (0.200 mi.) NE 1/8 - 1/4 (0.202 mi.)	Y153 U154	340 341
WEST SIDE YARD Date Closed: 10/14/2010	10TH AVE BETWEEN 31 AND	NE 1/8 - 1/4 (0.202 mi.)	U155	343
CONED 28TH STREET YARD Date Closed: 12/2/2004	281 & 11TH AVE	SE 1/8 - 1/4 (0.211 mi.)	AA166	366
WEST 28TH ST YARD Date Closed: 5/27/2005	W 28TH ST	SE 1/8 - 1/4 (0.211 mi.)	AA167	367
418 W.25TH ST Date Closed: 6/20/1988	418 W.25TH ST	SSE 1/8 - 1/4 (0.224 mi.)	AD179	382
Not reported Date Closed: 10/6/2003 Date Closed: 1/30/2006	418 WEST 25TH STREET	SSE 1/8 - 1/4 (0.227 mi.)	AD181	384
UNDERGROUND TRANSFORMER LUNDON TERRACE GARDEN APT Date Closed: 2/12/2003	426 WEST 24 STREET 415 WEST 23RD ST	SSE 1/8 - 1/4 (0.236 mi.) S 1/8 - 1/4 (0.238 mi.)	Y189 Y190	395 396
VAULT 4749 Date Closed: 5/21/2010	435 WEST 23RD ST	S 1/8 - 1/4 (0.238 mi.)	Y191	397
LONDON TERRACE GARDENS Date Closed: 8/14/1996	450 WEST 24TH ST	S 1/8 - 1/4 (0.238 mi.)	Y192	398
440 WEST 24TH ST/MANHATTA Date Closed: 11/14/1994 Date Closed: 12/15/1994	440 WEST 24TH STREET	S 1/8 - 1/4 (0.238 mi.)	Y193	399
MANHOLE 39730 Date Closed: 10/29/2002	290 9TH AVE	ESE 1/8 - 1/4 (0.242 mi.)	AA195	403
VAULT 4493 Date Closed: 9/29/2004	290 9TH AVE/W 26TH ST	ESE 1/8 - 1/4 (0.245 mi.)	AA198	408
RESIDENCE Date Closed: 11/30/2005	458 WEST 23RD ST.	S 1/8 - 1/4 (0.249 mi.)	AG199	409
29TH ST & Date Closed: 7/31/2003	9TH AVENUE	ESE 1/8 - 1/4 (0.249 mi.)	AF200	411
VAULT 3420 Date Closed: 10/3/2003	406 W. 31ST ST	E 1/8 - 1/4 (0.249 mi.)	AH202	413
KINGSLAWN PRESS Date Closed: 8/26/1996	406 WEST 31ST ST	E 1/8 - 1/4 (0.249 mi.)	AH203	414
MANHOLE #39723 Date Closed: 1/12/2006	WEST 26TH ST & 9TH AVE	SE 1/8 - 1/4 (0.249 mi.)	AA204	415
396 Date Closed: 8/22/2001	10TH AVE	NE 1/4 - 1/2 (0.253 mi.)	AE206	417
VAULT #7168 Date Closed: 7/26/2004	513 W 33 ST	NE 1/4 - 1/2 (0.256 mi.)	AJ208	419
Not reported Date Closed: 2/10/2004	513 WEST 33RD STREET	NE 1/4 - 1/2 (0.256 mi.)	AJ209	421
CORNER Date Closed: 7/28/2008	33RD ST / 10 TH AVE	NE 1/4 - 1/2 (0.260 mi.)	AJ213	428

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WEST SIDE YARD Date Closed: 8/12/2009	401 10TH AVE	NE 1/4 - 1/2 (0.260 mi.)	AJ214	429
LIRR - WEST SIDE YARDS Date Closed: 6/8/2005	10TH AVE BET 31ST & 33R	NE 1/4 - 1/2 (0.260 mi.)	AJ215	431
OFFICE BUILDING Date Closed: 3/21/2007	406 WEST 31ST STREET	E 1/4 - 1/2 (0.261 mi.)	AH216	432
MORGAN P AND DC Date Closed: 7/15/1996	341 9TH AVENUE	E 1/4 - 1/2 (0.261 mi.)	AL217	434
9TH AVENUE BETWEEN Date Closed: 10/6/2003	WEST 29 AND WEST 30TH	E 1/4 - 1/2 (0.263 mi.)	AL225	443
Not reported Date Closed: 2/4/2003	30TH AND 9TH STS	E 1/4 - 1/2 (0.266 mi.)	AL226	444
POSTAL FACILITY Date Closed: 1/10/2001	349 9TH AVE	E 1/4 - 1/2 (0.266 mi.)	AL227	445
35TH STREET BETWEEN Date Closed: 1/4/2007	DYRE AND 9TH AVE	E 1/4 - 1/2 (0.268 mi.)	AL229	447
410 W 24TH STREET Date Closed: 7/29/1994	410 W. 24TH ST APT 15-H	SSE 1/4 - 1/2 (0.280 mi.)	AN238	456
MANHOLE #1110 Date Closed: 6/30/2005	453 WEST 33RD STREET	ENE 1/4 - 1/2 (0.281 mi.)	AP241	458
XFMR WITH BOTTOM LEAK IN V # 3 Date Closed: 6/2/2009	IN FRONT OF 401 WEST 23	SSE 1/4 - 1/2 (0.282 mi.)	AN242	459
221662; 453 W 33 ST Date Closed: 3/30/2011	453 W 33 ST	NE 1/4 - 1/2 (0.285 mi.)	AP243	461
CON EDISON ASBESTOS IN EXCAVAT INSIDE BUILDING Date Closed: 6/1/2011	9TH AVE AND WEST 31ST 443 WEST 22ND STREET	E 1/4 - 1/2 (0.286 mi.) S 1/4 - 1/2 (0.288 mi.)	AH244 AG246	462 464
IN THE BASEMENT Date Closed: 5/24/2011	443 WEST 22ND ST	S 1/4 - 1/2 (0.288 mi.)	AG247	465
ROADWAY Date Closed: 4/8/2005	460 WEST 34TH ST	NE 1/4 - 1/2 (0.293 mi.)	AP249	477
FORMER FED EX/ FUTURE #7 EXTEN Date Closed: 12/12/2011	538 WEST 34TH STREET	NNE 1/4 - 1/2 (0.301 mi.)	AS255	487
528 WEST 34TH ST/MANH Date Closed: 10/12/1990	528 WEST 34TH STREET	NNE 1/4 - 1/2 (0.301 mi.)	AS256	490
IN ROADWAY Date Closed: 10/31/2001	IFO 545 W 34TH ST	NNE 1/4 - 1/2 (0.302 mi.)	AT258	492
CITY BUILDING Date Closed: 2/27/2008	527 WEST 34TH STREET	NNE 1/4 - 1/2 (0.302 mi.)	AT260	495
APARTMENT BUILDING Date Closed: 4/24/2007	527 WEST 34TH STREET	NNE 1/4 - 1/2 (0.302 mi.)	AT261	496
<b>FEDERAL EXPRESS CORP</b> Date Closed: 12/13/2011	<b>538 W 34TH ST</b>	<b>NNE 1/4 - 1/2 (0.304 mi.)</b>	<b>AS262</b>	<b>497</b>
534 W. 34TH ST Date Closed: 8/8/1995	534 W. 34TH ST	NNE 1/4 - 1/2 (0.304 mi.)	AS263	508
Not reported Date Closed: 10/30/2001	545 WEST 34TH ST	NNE 1/4 - 1/2 (0.305 mi.)	AS267	516

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PLANNED PARENTHOOD Date Closed: 10/2/2008	434 WEST 33RD ST	ENE 1/4 - 1/2 (0.306 mi.)	AP272	524
216 9TH AVE/MANH/NYCTA Date Closed: 1/10/2005	216 9TH AVENUE	SSE 1/4 - 1/2 (0.306 mi.)	AN273	525
W 28TH ST YARD Date Closed: 11/10/2003	W 28TH ST YARD	ESE 1/4 - 1/2 (0.308 mi.)	277	532
<b>WEST 34TH STREET DEVELOPMENT P</b> Date Closed: 8/6/1996	<b>555 WEST 34TH STREET</b>	<b>NNE 1/4 - 1/2 (0.310 mi.)</b>	<b>AS279</b>	<b>535</b>
<b>MEUSHER 34TH ST LLC</b> Date Closed: 3/21/2006 Date Closed: 3/26/2009	<b>555 WEST 34TH STREET</b>	<b>NNE 1/4 - 1/2 (0.310 mi.)</b>	<b>AS280</b>	<b>537</b>
AGFA DIVISION OF BAYER CORP Date Closed: 3/13/1997	555 W 34TH ST	NNE 1/4 - 1/2 (0.310 mi.)	AS281	541
HI RAIL VEHICLES-CONTRA C Date Closed: 9/28/2007	34 TH/10TH AVE	NE 1/4 - 1/2 (0.312 mi.)	AU284	544
W 34TH ST & 10TH AVENUE Date Closed: 9/21/1993	W 34TH ST & 10TH AVENUE	NE 1/4 - 1/2 (0.312 mi.)	AU285	546
WEST SIDE YARD Date Closed: 1/23/2006	34TH ST / 11TH AV	NNE 1/4 - 1/2 (0.313 mi.)	AS288	549
CONSTRUCTION SITE Date Closed: 8/25/2009	11TH AVE BWT 33RD & 34T	NNE 1/4 - 1/2 (0.313 mi.)	AS289	550
MANHOLE #3153 Date Closed: 1/10/2006	9TH AVE/WEST 23RD	SSE 1/4 - 1/2 (0.317 mi.)	AV292	553
APARTMENT BUILDING Date Closed: 11/28/2008	455 WEST 34TH ST	NE 1/4 - 1/2 (0.322 mi.)	AU294	556
AMACO Date Closed: 5/3/2002	10TH AVE @ WEST 34TH ST	NE 1/4 - 1/2 (0.327 mi.)	AU296	558
BP AMOCO STATION #11248	436 TENTH AVE	NE 1/4 - 1/2 (0.327 mi.)	AU297	559
353 WEST 30TH STREET Date Closed: 6/21/2004	353 WEST 30TH STREET	E 1/4 - 1/2 (0.330 mi.)	AX300	570
353 WEST 30TH STREET Date Closed: 4/21/1994	353 WEST 30TH STREET	E 1/4 - 1/2 (0.331 mi.)	AX301	571
APT COMPLEX Date Closed: 5/11/2012	350 WEST 31ST ST	E 1/4 - 1/2 (0.331 mi.)	AX302	572
440 10TH AVE Date Closed: 5/3/2002	436 TENTH AVE	NE 1/4 - 1/2 (0.334 mi.)	AU303	573
342 - 346 WEST 30 ST Date Closed: 6/29/1997	342 - 346 W. 30TH ST	E 1/4 - 1/2 (0.334 mi.)	AX304	574
VAULT #8453 Date Closed: 1/9/2006	325 WEST29TH STREET	ESE 1/4 - 1/2 (0.338 mi.)	AX306	576
REAL ESTATE OFFICE Date Closed: 11/1/2006	440 WEST 34TH STREET	NE 1/4 - 1/2 (0.339 mi.)	AZ308	579
430 WEST 34TH ST/MANH Date Closed: 11/9/1990	430 WEST 34TH STREET	ENE 1/4 - 1/2 (0.345 mi.)	AZ309	580
430 W. 34TH ST Date Closed: 12/23/1994	430 W. 34TH ST	ENE 1/4 - 1/2 (0.345 mi.)	AZ310	581
MANHOLE # 39774 Date Closed: 9/9/2004	WEST 33RD ST/9TH AVE	ENE 1/4 - 1/2 (0.349 mi.)	AW311	582

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
TRAFFIC ACCIDENT Date Closed: 8/20/2007	661 W 34TH STREET	N 1/4 - 1/2 (0.352 mi.)	315	607
CONSTRUCTION SITE Date Closed: 3/6/2009	555 WEST 35TH ST	NNE 1/4 - 1/2 (0.358 mi.)	325	638
Not reported Date Closed: 11/16/2005	335 WEST 29TH ST	ESE 1/4 - 1/2 (0.359 mi.)	AY326	639
335 W. 29TH STREET Date Closed: 1/9/2001	335 W. 29TH STREET	ESE 1/4 - 1/2 (0.359 mi.)	AY327	640
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ADMIRAL ENGRAVING &amp; ETCHING LT</b> Date Closed: 9/24/2007	<b>547 W 27TH ST</b>	<b>SW 0 - 1/8 (0.004 mi.)</b>	<b>A7</b>	<b>53</b>
530 WEST 27TH ST/MANH Date Closed: 11/6/2008	530 WEST 27TH STREET	SSW 0 - 1/8 (0.012 mi.)	A10	59
537 W 26TH ST Date Closed: 2/5/2010	537 W 26TH ST	SW 0 - 1/8 (0.054 mi.)	E20	71
SB-5 AVALON WEST CHELSEA LLC Date Closed: 7/31/2012	SITE 2 282 11TH AVE	NNW 0 - 1/8 (0.061 mi.)	C25	86
CONSTRUCTION SITE <b>PENSKE TRUCK LEASING CO L P</b>	282 11TH AVE <b>536 W 26TH ST</b>	NNW 0 - 1/8 (0.061 mi.) <b>WSW 0 - 1/8 (0.068 mi.)</b>	C26 <b>E29</b>	87 <b>94</b>
CONTMINATION SB-3 AVALON WEST Date Closed: 7/17/2012	282 11TH AVE	NW 0 - 1/8 (0.079 mi.)	H40	121
CONSTRUCTION SITE BORING SD-4 Date Closed: 7/31/2012	282 11TH AVE	NW 0 - 1/8 (0.079 mi.)	H41	122
PARKING GARAGE Date Closed: 9/11/2007	282-296 11TH AVE	NW 0 - 1/8 (0.079 mi.)	H42	123
CONSTRUCTION SITE Date Closed: 7/31/2012	282 11TH AVE	NW 0 - 1/8 (0.079 mi.)	H43	125
CON ED Date Closed: 2/3/2004	W. 28TH AND 11TH AVE	NW 0 - 1/8 (0.079 mi.)	H44	126
VAULT 0853 Date Closed: 9/29/2003	W 28TH ST & 11TH AVE	NW 0 - 1/8 (0.079 mi.)	H45	128
WORKING PARKING LOT ROADWAY Date Closed: 5/1/1998	282 11TH AVE WEST 28TH ST AND 11TH A	NW 0 - 1/8 (0.079 mi.) NW 0 - 1/8 (0.079 mi.)	H46 H47	129 148
PAVEMENT Date Closed: 11/9/2011	11TH AVE BETWEEN W 28TH	NW 0 - 1/8 (0.079 mi.)	H48	149
WEST 28TH ST YARD Date Closed: 11/4/2003	WEST 28TH/11TH AVE	NW 0 - 1/8 (0.079 mi.)	H49	151
-NYCT WATERFRONT NY REALTOR Date Closed: 1/18/2006 Date Closed: 12/24/1996	28TH ST/11TH AVE 271 11 AVE	NW 0 - 1/8 (0.079 mi.) WNW 0 - 1/8 (0.080 mi.)	H50 H51	153 154
<b>WESTSIDE OPERATIONS CENTER</b> Date Closed: 7/2/2007 Date Closed: 3/20/2008	<b>281 11TH AVENUE</b>	<b>NW 0 - 1/8 (0.080 mi.)</b>	<b>H53</b>	<b>158</b>

\*Additional key fields are available in the Map Findings section

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CON ED FACILITY Date Closed: 6/18/2001	11TH AVE WEST 28TH ST	NW 0 - 1/8 (0.080 mi.)	H54	160
Not reported Date Closed: 2/13/2001	WEST 27TH ST/11TH AVE	WNW 0 - 1/8 (0.081 mi.)	I55	161
BORE HOLE Date Closed: 12/30/2009	WEST 27 STREET BTWN 10	WNW 0 - 1/8 (0.082 mi.)	I56	163
Not reported Date Closed: 8/18/2009	11TH AVENUE & WEST 27TH	WNW 0 - 1/8 (0.082 mi.)	I57	164
Not reported Date Closed: 4/21/2003	11TH AV BET 26TH & 27TH	WNW 0 - 1/8 (0.082 mi.)	I59	167
WEST 27TH STREET Date Closed: 1/16/2001	AND 11TH AVE	WNW 0 - 1/8 (0.082 mi.)	I60	168
WEST 28TH ST YARD Date Closed: 12/2/1996	WEST 28TH ST YARD	NW 0 - 1/8 (0.087 mi.)	H63	172
WESTSIDE SERVICE CENTER Date Closed: 11/21/1997	WEST 28TH ST	NW 0 - 1/8 (0.087 mi.)	H64	173
WEST 28TH STREET YARD Date Closed: 6/3/1998	WEST 28TH STREET YARD	NW 0 - 1/8 (0.087 mi.)	H65	174
WEST 28TH ST YARD Date Closed: 11/4/1997	WEST 29TH ST	NW 0 - 1/8 (0.087 mi.)	H66	175
AVENUES THE WORLD SCHOOL Date Closed: 4/16/2012	259 10TH AVE	S 0 - 1/8 (0.088 mi.)	J67	177
WEST 26TH STREET AND Date Closed: 12/17/1998	W. 26TH ST & 11TH AVE	WSW 0 - 1/8 (0.096 mi.)	I74	186
213997; 11 AVE AND AND 26TH ST Date Closed: 11/19/2008	11 AVE AND AND 26TH ST	WSW 0 - 1/8 (0.096 mi.)	I75	187
ON WALK WAY 200 FT EAST Date Closed: 11/4/2010	OF 11 AVE-SO SIDE OF 26	WSW 0 - 1/8 (0.096 mi.)	I76	188
CONSTRUCTION SITE MTA # 7 LINE Date Closed: 7/12/2011	220 11TH AVE	WSW 0 - 1/8 (0.100 mi.)	K77	189
CONSTRUCTION SITE - MISC Date Closed: 8/21/2007	545 WEST 25TH STREET	SW 0 - 1/8 (0.102 mi.)	E78	196
Not reported Date Closed: 11/10/2000	534-548 W 25TH ST	SSW 0 - 1/8 (0.103 mi.)	N81	200
Not reported Date Closed: 11/10/2000	534 W 25TH ST	SSW 0 - 1/8 (0.103 mi.)	N82	201
Not reported Date Closed: 2/13/2003	520 W 25TH ST	SSW 0 - 1/8 (0.105 mi.)	J83	203
GRAPHIC PROPERTIES Date Closed: 9/1/1998	555 WEST 25TH STREET	SW 0 - 1/8 (0.105 mi.)	K84	204
TRUCKING FACILITY Date Closed: 12/17/2003	510 WEST 25TH STREET	SSW 0 - 1/8 (0.106 mi.)	J86	208
560 WEST 25TH ST/MANHATTA Date Closed: 9/30/1988	560 WEST 25TH STREET	SW 0 - 1/8 (0.107 mi.)	K87	209
WEST 28TH STREET YARD Date Closed: 9/16/2010	281 11TH AVE	NW 0 - 1/8 (0.118 mi.)	H90	233

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>26 TH &amp; 11TH AVE</b> Date Closed: 3/30/2006 Date Closed: 10/6/2005 <i>*Additional key fields are available in the Map Findings section</i>	<b>601 WEST 26TH STREET</b>	<b>W 0 - 1/8 (0.121 mi.)</b>	<b>P92</b>	<b>236</b>
VAULT V7236 Date Closed: 5/26/2010	601 WEST 26TH ST	W 0 - 1/8 (0.121 mi.)	P93	239
601 W 26TH ST Date Closed: 3/30/1995	601 W 26TH ST	W 0 - 1/8 (0.121 mi.)	P95	241
Not reported Date Closed: 2/3/2004	628 W 28TH ST	NW 0 - 1/8 (0.123 mi.)	H96	242
TWO GALLONS OIL IN VAULT #1535 Date Closed: 2/16/2007	601 WEST 26 STREET	W 1/8 - 1/4 (0.127 mi.)	P100	247
WEST 27TH AND 11TH Date Closed: 2/13/2003	I/F/O 625 WEST 27TH ST	WNW 1/8 - 1/4 (0.127 mi.)	I101	248
COMMERCIAL PROPERTY Date Closed: 11/13/2009	210 11TH AVENUE	SW 1/8 - 1/4 (0.132 mi.)	K103	250
Not reported Date Closed: 4/9/1999	210 11TH AVE	WSW 1/8 - 1/4 (0.151 mi.)	Q107	256
WEST 24TH ST Date Closed: 5/20/1996	BTW 10TH & 11TH AVENUE	SSW 1/8 - 1/4 (0.153 mi.)	R109	258
COMMERICAL PROPERTY/ GAR Date Closed: 12/22/2011	552 WEST 24TH STREET	SW 1/8 - 1/4 (0.156 mi.)	Q110	260
GETTY GAS #341 Date Closed: 11/20/2003 Date Closed: 8/1/2003 <i>*Additional key fields are available in the Map Findings section</i>	239 10TH AVE	S 1/8 - 1/4 (0.159 mi.)	R111	262
<b>GETTY GAS STATION</b> Date Closed: 11/16/2005	<b>239 10 AV</b>	<b>S 1/8 - 1/4 (0.159 mi.)</b>	<b>R113</b>	<b>270</b>
DYNAMIC DELIVERY CORP Date Closed: 6/16/2006	202 -208 11TH AVE	SW 1/8 - 1/4 (0.162 mi.)	Q115	273
560 WEST 24TH ST Date Closed: 5/22/1996	560 WEST 24TH ST	SW 1/8 - 1/4 (0.162 mi.)	Q116	275
REPAIR SHOP Date Closed: 10/14/2011	640 WEST 26TH STREET	W 1/8 - 1/4 (0.166 mi.)	P117	276
RESI: LOUDON TERRECE Date Closed: 12/26/2001	470 WEST 24TH ST	S 1/8 - 1/4 (0.167 mi.)	S119	279
470 WEST 24TH ST/MANH Date Closed: 5/25/1995	470 WEST 24TH STREET	S 1/8 - 1/4 (0.167 mi.)	S120	280
COMMERCIAL FACILITY Date Closed: 11/2/2005	245 TENTH AVE	S 1/8 - 1/4 (0.168 mi.)	R122	285
US POSTAL GARAGE Date Closed: 12/17/2003 Date Closed: 3/24/2009 <i>*Additional key fields are available in the Map Findings section</i>	201 11TH AVE	WSW 1/8 - 1/4 (0.173 mi.)	Q133	300
CON ED TRANSPORTATION YD Date Closed: 12/29/2003	281 W 11TH AVE	NW 1/8 - 1/4 (0.173 mi.)	W134	302
WEST 28TH ST YARD Date Closed: 6/4/2009	281 11TH AVE	NW 1/8 - 1/4 (0.173 mi.)	W135	303

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WEST 28TH ST YARD Date Closed: 2/22/2005	281' 11TH AVE	NW 1/8 - 1/4 (0.173 mi.)	W136	304
W28TH ST YARD Date Closed: 12/30/2003 Date Closed: 4/20/2000 <i>*Additional key fields are available in the Map Findings section</i>	281 11TH AV	NW 1/8 - 1/4 (0.173 mi.)	W138	310
15 GALLONS HYDRAULIC FLUID HOSE Date Closed: 2/16/2007	281 W 11 AVENUE	NW 1/8 - 1/4 (0.173 mi.)	W139	313
TEN GAL HYDRAULIC FROM VEHICLE Date Closed: 11/27/2007	281 11 AVENUE. WEST 28	NW 1/8 - 1/4 (0.173 mi.)	W140	314
HYDRAULIC RELEASE FROM VEH 607 Date Closed: 11/8/2007 Date Closed: 1/17/2007 <i>*Additional key fields are available in the Map Findings section</i>	281 11 AVENUE	NW 1/8 - 1/4 (0.173 mi.)	W141	315
MANHOLE Date Closed: 11/8/2011	WEST 24TH AND 11TH AVE	SW 1/8 - 1/4 (0.174 mi.)	Q142	317
198-200 11TH AVE Date Closed: 8/21/2009	198-200 11TH AVE	SW 1/8 - 1/4 (0.177 mi.)	Q143	318
SB 33073 Date Closed: 10/8/2004	196 11TH AV	SW 1/8 - 1/4 (0.179 mi.)	Q145	322
SB 33073 Date Closed: 12/21/2004	196 11TH AVE	SW 1/8 - 1/4 (0.184 mi.)	Q146	324
Not reported Date Closed: 6/23/2003 Date Closed: 8/2/2011	535 WEST 23RD ST	SSW 1/8 - 1/4 (0.195 mi.)	R151	333
543 TO 547 W. 23RD ST. Date Closed: 12/16/1986	543-547 W. 23RD ST.	SSW 1/8 - 1/4 (0.203 mi.)	Z156	345
555 WEST 23RD ST Date Closed: 4/3/2006	555 WEST 23RD ST	SW 1/8 - 1/4 (0.204 mi.)	Z158	347
<b>MENDON LEASING</b> Date Closed: 9/22/2008	<b>527 WEST 23RD STREET</b>	<b>SSW 1/8 - 1/4 (0.204 mi.)</b>	<b>Z160</b>	<b>349</b>
VACANT LOT Date Closed: 11/30/2004	559 WEST 23RD STREET	SW 1/8 - 1/4 (0.205 mi.)	Z163	360
U-HAUL Date Closed: 2/22/2002	562 WEST 23RD STREET	SW 1/8 - 1/4 (0.207 mi.)	Z164	361
<b>562 W 23RD ST/MANHATTAN</b> Date Closed: 8/6/1993	<b>562 WEST 23RD STREET</b>	<b>SW 1/8 - 1/4 (0.208 mi.)</b>	<b>Z165</b>	<b>363</b>
HYDRAULIC FLUID FROM TRUCK PTO Date Closed: 6/17/2008	182-184 11 AVENUE	SW 1/8 - 1/4 (0.214 mi.)	AB168	368
MANHOLE #61721 Date Closed: 4/29/2005	23RD ST/10TH AVE	S 1/8 - 1/4 (0.216 mi.)	AC169	370
Not reported Date Closed: 6/3/2002	WEST 23RD ST & 10TH AV	S 1/8 - 1/4 (0.216 mi.)	AC170	371
CON ED Date Closed: 2/10/2004	W 23RD ST/ E 10TH AVE	S 1/8 - 1/4 (0.216 mi.)	AC171	372
Not reported Date Closed: 8/5/2002	23RD ST BET 8TH & 12TH	S 1/8 - 1/4 (0.216 mi.)	AC172	374

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MANHOLE 60721 Date Closed: 8/20/2003	W 23RD ST, WEST OF 10TH	S 1/8 - 1/4 (0.216 mi.)	AC173	375
NYC TRANSIT BUS Date Closed: 10/10/2001	10TH AVE & 23RD ST	S 1/8 - 1/4 (0.216 mi.)	AC174	376
TEN GALLONS OIL IN MANHOLE #61 Date Closed: 1/17/2007	WEST 23 STREET & 10 AVE	S 1/8 - 1/4 (0.216 mi.)	AC175	377
MANHOLE #61721 Date Closed: 9/16/2009	WEST 23RD STREET AND WE	S 1/8 - 1/4 (0.216 mi.)	AC176	378
MANHOLE 61721 Date Closed: 1/10/2008	W 23 ST / 10TH AV	S 1/8 - 1/4 (0.216 mi.)	AC177	379
MAN HOLE 16721 Date Closed: 7/29/2003	WEST 23RD ST/10TH AV	S 1/8 - 1/4 (0.216 mi.)	AC178	381
TUG SAMPSON MTS ITSDELILA Date Closed: 6/10/1986	BET PIERS 63& 64, 23RD	W 1/8 - 1/4 (0.232 mi.)	183	388
59TH ST GENERATING STAT Date Closed: 10/15/1993	11TH AVE	SW 1/8 - 1/4 (0.232 mi.)	AB185	390
WEST 42 ND ST BETWEEN Date Closed: 3/11/1999	11TH AND 12TH AVENUE	SW 1/8 - 1/4 (0.232 mi.)	AB186	391
CUMBERLAND FARMS Date Closed: 1/30/2007	215 10TH AVE	S 1/8 - 1/4 (0.232 mi.)	AC187	392
CHEVRON W. 23 ST GW SPILL Date Closed: 9/29/2003 Date Closed: 8/31/1987	215 10TH AVE	S 1/8 - 1/4 (0.232 mi.)	AC188	393
<i>*Additional key fields are available in the Map Findings section</i>				
Not reported Date Closed: 2/10/2001	12TH AV & 24TH ST	WSW 1/8 - 1/4 (0.240 mi.)	194	402
PIER 63 Date Closed: 10/28/1998	12TH AVE & 23RD ST	WSW 1/4 - 1/2 (0.255 mi.)	AI207	418
548 WEST 22ND ST	548 WEST 22ND ST	SSW 1/4 - 1/2 (0.258 mi.)	AK210	422
MANHOLE 24185 Date Closed: 1/30/2004	518 - 22 W 204 ST	SSW 1/4 - 1/2 (0.258 mi.)	AK211	424
W 30TH ST/HELIPORT/MANH Date Closed: 11/12/1992	W. 30TH ST, 12TH AVE	NW 1/4 - 1/2 (0.262 mi.)	AM219	436
12TH AVE & W. 23RD ST Date Closed: 8/30/1995	12TH AVE & W. 23RD ST	WSW 1/4 - 1/2 (0.263 mi.)	AI222	439
BUS TERMINAL Date Closed: 4/5/2001	23RD ST & 12TH AV	WSW 1/4 - 1/2 (0.263 mi.)	AI223	440
SEWAGE REGULATOR AT Date Closed: 5/4/1999	12TH AV & W 23 RD ST	WSW 1/4 - 1/2 (0.263 mi.)	AI224	441
MANHOLE 43095 Date Closed: 12/27/2004	WEST 22ND ST/10TH AV	SSW 1/4 - 1/2 (0.267 mi.)	AO228	446
Not reported Date Closed: 2/3/2003	30TH ST / 12TH AVE	NW 1/4 - 1/2 (0.276 mi.)	AM231	449
W. 30TH ST & 12TH AVE Date Closed: 11/3/2003	W. 30TH ST / 12TH AVE	NW 1/4 - 1/2 (0.276 mi.)	AM232	450
HELIPORT Date Closed: 8/29/1988	WEST 30TH ST. & 12 AVE.	NW 1/4 - 1/2 (0.276 mi.)	AM233	451

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NORTH RIVER POLLUTION CONT REG Date Closed: 7/25/2011	12TH AVE & WEST 30TH ST	NW 1/4 - 1/2 (0.278 mi.)	AM234	452
30TH ST HELLIPORT Date Closed: 7/6/1995	30TH ST HELLIPORT	NW 1/4 - 1/2 (0.279 mi.)	AM236	454
<b>511 WEST 21ST STREET</b> PIER 63/N RIVER RD/MANH Date Closed: 6/7/1995	<b>511 WEST 21ST STREET</b> PIER 63/N RIVER ROAD	<b>SSW 1/4 - 1/2 (0.292 mi.)</b> WSW 1/4 - 1/2 (0.295 mi.)	<b>AQ248</b> AR250	<b>466</b> 478
PIER 63 Date Closed: 5/29/2003	PIER 63	WSW 1/4 - 1/2 (0.295 mi.)	AR251	479
HUDSON RIVER/ PEIR 63 Date Closed: 3/13/2007	23RD ST	WSW 1/4 - 1/2 (0.295 mi.)	AR252	480
<b>GREYHOUND GARAGE</b> Date Closed: 5/11/2004 Date Closed: 10/27/2003	<b>260 12TH AVE</b>	<b>NNW 1/4 - 1/2 (0.295 mi.)</b>	<b>253</b>	<b>481</b>
201 ST & 10 AVE/SHELL Date Closed: 11/20/2003	201 ST / 10 AVENUE	SSW 1/4 - 1/2 (0.300 mi.)	AO254	486
506-509 W 21ST & 22ND STS Date Closed: 12/17/1997	509 WEST 21ST ST	SSW 1/4 - 1/2 (0.305 mi.)	AQ264	510
CHELSEA OPERATING, INC. GOLDBERG Date Closed: 2/27/2003	521 WEST 21ST STREET 511 WEST 21ST STREET	SSW 1/4 - 1/2 (0.305 mi.) SSW 1/4 - 1/2 (0.305 mi.)	AQ265 AQ266	511 515
507 W 21ST ST Date Closed: 12/17/1997	507 W 21ST ST	SSW 1/4 - 1/2 (0.305 mi.)	AQ270	520
<b>NEW YORK STATE DEC</b> Date Closed: 1/2/1996	<b>507 W 21ST ST</b>	<b>SSW 1/4 - 1/2 (0.305 mi.)</b>	<b>AQ271</b>	<b>520</b>
SERVICE BOX 3769 Date Closed: 1/8/2004	508 WEST 21ST ST	SSW 1/4 - 1/2 (0.307 mi.)	AQ274	526
W 20 ST AND 10TH AVE STORAGE USA Date Closed: 6/25/2012	WEST 20TH ST & 10TH AVE 510 WEST 21ST ST	SSW 1/4 - 1/2 (0.307 mi.) SSW 1/4 - 1/2 (0.308 mi.)	AQ275 AQ276	527 528
RESIDENCE Date Closed: 5/1/2000	188 10TH AVE	SSW 1/4 - 1/2 (0.311 mi.)	AO283	543
PIER 62 Date Closed: 2/26/2003	MAYER TERMINAL PIER 62	WSW 1/4 - 1/2 (0.317 mi.)	AR291	552
177-82 10TH AVE Date Closed: 2/25/2003	BETWEEN 20TH & 21ST ST	SSW 1/4 - 1/2 (0.330 mi.)	AQ299	569
BERMUDA LIMOUSINE Date Closed: 10/6/2011	537 WEST 20TH STREET	SSW 1/4 - 1/2 (0.350 mi.)	BA312	583
BERMUDA LIMOSINE Date Closed: 1/1/1988	537 WEST 20TH STREET	SSW 1/4 - 1/2 (0.351 mi.)	BA313	604
532 W 20TH ST Date Closed: 3/19/2007	532 W 20TH ST	SSW 1/4 - 1/2 (0.352 mi.)	BA314	605
COMMERCIAL BUILDING Date Closed: 4/20/2006	120-126 11 TH AVE	SW 1/4 - 1/2 (0.353 mi.)	BA316	608
512 WEST 20TH ST/MANH Date Closed: 6/14/1990	512 WEST 20TH STREET	SSW 1/4 - 1/2 (0.353 mi.)	BB317	609
WESTSIDE HWY AT PIER 61 Date Closed: 10/18/1994	WESTSIDE HWY AT PIER 61	SW 1/4 - 1/2 (0.353 mi.)	320	611

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LIRR WEST SIDE YARD LIRR - 12TH AVE & 33RD ST Date Closed: 4/25/1995	12TH AVE & WEST 33RD ST 12TH AVE & 33RD ST - LI	NNW 1/4 - 1/2 (0.358 mi.) NNW 1/4 - 1/2 (0.358 mi.)	BC322 BC323	614 621
EMPIRE CITY SUBWAY GARAGE OLD GAS STATION Date Closed: 3/4/2003	169 10TH AVE 10TH AV / 20TH ST	SSW 1/4 - 1/2 (0.358 mi.) SSW 1/4 - 1/2 (0.359 mi.)	BB324 BB328	622 641

### **Other Ascertainable Records**

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

An online review and analysis by THE CHAZEN COMPANIES of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/12/2013 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>MOBIL OIL-#17-510 ALBRO OPERA</b>	<b>309 11TH STREET</b>	<b>NNW 0 - 1/8 (0.116 mi.)</b>	<b>L89</b>	<b>212</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ADMIRAL ENGRAVING &amp; ETCHING LT</b>	<b>547 W 27TH ST</b>	<b>SW 0 - 1/8 (0.004 mi.)</b>	<b>A7</b>	<b>53</b>
<b>PENSKE TRUCK LEASING CO L P</b>	<b>536 W 26TH ST</b>	<b>WSW 0 - 1/8 (0.068 mi.)</b>	<b>E29</b>	<b>94</b>

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

An online review and analysis by THE CHAZEN COMPANIES of the CONSENT list, as provided by EDR, and dated 12/31/2011 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HUDSON RIVER PCBS</b>	<b>NO STREET APPLICABLE</b>	<b>WNW 1/4 - 1/2 (0.310 mi.)</b>	<b>0</b>	<b>8</b>

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

An online review and analysis by THE CHAZEN COMPANIES of the ROD list, as provided by EDR, and dated 11/02/2012 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>HUDSON RIVER PCBS</b>	<b>NO STREET APPLICABLE</b>	<b>WNW 1/4 - 1/2 (0.310 mi.)</b>	<b>0</b>	<b>8</b>

## EXECUTIVE SUMMARY

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

An online review and analysis by THE CHAZEN COMPANIES of the NY DRYCLEANERS list, as provided by EDR, and dated 01/18/2013 has revealed that there are 3 NY DRYCLEANERS sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONDON TERRACE/CIM CLEANERS	410 W. 24TH STREET	SSE 1/4 - 1/2 (0.280 mi.)	AN237	455
OXFORD/CLIFF'S 1 HR DRY CLEANER	232 9TH AVE.	SSE 1/4 - 1/2 (0.280 mi.)	AN240	458
JEAN'S MANHATTAN FRENCH CLEANER	198 9TH AVENUE	SSE 1/4 - 1/2 (0.353 mi.)	AV319	611

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

An online review and analysis by THE CHAZEN COMPANIES of the EDR MGP list, as provided by EDR, has revealed that there are 6 EDR MGP sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CON EDISON - WEST 42ND ST. GAS	WEST 41ST - WEST 42ND S	NNE 1/2 - 1 (0.677 mi.)	336	654
CON EDISON - WEST 45TH ST. GAS	12TH AVE BETWEEN WEST 4	NNE 1/2 - 1 (0.837 mi.)	BE337	654
CON EDISON - 12TH AVE. WORKS M	12TH AVE BETWEEN W 46TH	NNE 1/2 - 1 (0.837 mi.)	BE338	654
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CON EDISON - 19TH ST. WORKS MG	11TH AVE BETWEEN W 19TH	SW 1/4 - 1/2 (0.375 mi.)	BA329	642
CON EDISON - WEST 18TH ST. GAS	WEST 16TH - WEST 20TH S	SSW 1/4 - 1/2 (0.420 mi.)	331	644
19TH STREET DEVELOPMENT SITE	80 11TH AVENUE	SSW 1/4 - 1/2 (0.434 mi.)	BD332	645

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

An online review and analysis by THE CHAZEN COMPANIES of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 2 EDR US Hist Auto Stat sites within approximately 0.375 miles of the target property.

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	263 9TH AVE	SE 1/4 - 1/2 (0.251 mi.)	205	416

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	556 W 28TH ST	NNW 0 - 1/8 (0.022 mi.)	C14	65

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

An online review and analysis by THE CHAZEN COMPANIES of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 11 EDR US Hist Cleaners sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	304 11TH AVE	NNW 0 - 1/8 (0.102 mi.)	L79	198
Not reported	450 W 24TH ST	S 1/8 - 1/4 (0.192 mi.)	S149	330
Not reported	410 W 24TH ST	SSE 1/4 - 1/2 (0.262 mi.)	AN221	439
Not reported	356 9TH AVE	E 1/4 - 1/2 (0.270 mi.)	AL230	448
Not reported	233 9TH AVE	SSE 1/4 - 1/2 (0.279 mi.)	AN235	453
Not reported	232 9TH AVE	SSE 1/4 - 1/2 (0.280 mi.)	AN239	457
Not reported	400 W 23RD ST	SSE 1/4 - 1/2 (0.313 mi.)	AV290	551
Not reported	455 W 34TH ST	NE 1/4 - 1/2 (0.322 mi.)	AU295	558
Not reported	198 9TH AVE	SSE 1/4 - 1/2 (0.353 mi.)	AV318	610

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	555 W 23RD ST	SW 1/8 - 1/4 (0.204 mi.)	Z159	348
Not reported	520 W 23RD ST	SSW 1/8 - 1/4 (0.205 mi.)	Z161	358

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 269 records.

<u>Site Name</u>	<u>Database(s)</u>
ALBEE SERVICES INC.	CERC-NFRAP, RCRA NonGen / NLR, NJ SHWS, NJ UST, NJ ENG CONTROLS, NJ VCP, NJ BROWNFIELDS, US AIRS
WEST 30TH ST HELIPORT MTA #7 LINE EXTENSION C26505 (SITE KTAV PUBLISHING HOUSE INC 1321 1325 ADAMS STREET	NY TANKS NY TANKS NJ SHWS, NJ UST, NJ ENG CONTROLS NJ SHWS, NJ ENG CONTROLS, NJ INST CONTROL, NJ VCP
NORTH HUDSON SEWERAGE AUTH WWTP ADAMS STREET URBAN RENEWAL	NJ SHWS, NJ ENG CONTROLS NJ SHWS, NJ ENG CONTROLS, NJ INST CONTROL, NJ BROWNFIELDS
CLINTON STREET PROPERTY HOBOKEN CITY HUDSON PARK	NJ SHWS, NJ ENG CONTROLS NJ SHWS, NJ ENG CONTROLS, NJ BROWNFIELDS
FERGUSON PROPELLER INC	NJ SHWS, NJ UST, NJ ENG CONTROLS, NJ INST CONTROL, NJ VCP, NJ BROWNFIELDS
GIRL SCOUTS OF HUDSON CNTY	NJ SHWS, NJ ENG CONTROLS, NJ BROWNFIELDS
QUALITY TOOL & DIE CO INC	NJ SHWS, NJ ENG CONTROLS, NJ BROWNFIELDS
GENERAL FOODS CORP MAXWELL HOUSE C	NJ SHWS, NJ ENG CONTROLS, NJ BROWNFIELDS
FIFTH STREET CONDOS LLC BROWNSTONE CO #1	NJ SHWS, NJ ENG CONTROLS NJ SHWS, NJ ENG CONTROLS, NJ INST CONTROL, NJ BROWNFIELDS
MICHAEL ARAN INC	NJ SHWS, NJ ENG CONTROLS, NJ INST CONTROL, NJ BROWNFIELDS
TARRAGON CORP	NJ SHWS, NJ ENG CONTROLS, NJ INST CONTROL, NJ VCP, NJ BROWNFIELDS
UNIVERSAL FOLDING BOX CO INC	NJ SHWS, NJ ENG CONTROLS, NJ BROWNFIELDS
EHRlich TRUCKING FORMER	NJ SHWS, NJ ENG CONTROLS, NJ INST CONTROL
9TH STREET PROPERTIES CORP	NJ SHWS, NJ ENG CONTROLS, NJ BROWNFIELDS
1606 TO 1610 WILLOW AVENUE	NJ SHWS, NJ ENG CONTROLS, NJ VCP, NJ BROWNFIELDS
LINCOLN HARBOR 201 HIGHPOINT AVENUE INTERNATIONAL BUS SERVICES INC MUNICIPAL GARAGE	NJ SHWS, NJ ENG CONTROLS NJ SHWS, NJ ENG CONTROLS NJ SHWS, NJ INST CONTROL NJ SHWS, NJ UST, NJ INST CONTROL, NJ BROWNFIELDS
BRIDGE SERVICE STATION	NJ SHWS, NJ UST, NJ INST CONTROL, NJ BROWNFIELDS
HESS STATION 30504 HIGHWOOD GARAGE	NJ SHWS, NJ INST CONTROL NJ SHWS, NJ INST CONTROL, NJ BROWNFIELDS
COCHEO BROTHERS INCORPORATED	NJ SHWS, NJ INST CONTROL, NJ BROWNFIELDS
BLUE LINE EXPRESS INC	NJ SHWS, NJ INST CONTROL, NJ BROWNFIELDS
EXXON SERVICE STATION #30121	NJ SHWS, NJ INST CONTROL, NJ BROWNFIELDS
74 EAST 28TH STREET 472 ELLISON DRIVE HOBOKEN TANK LINES INC	NJ SHWS NJ SHWS, NJ VCP RCRA NonGen / NLR, NJ SHWS, NJ

## EXECUTIVE SUMMARY

162 13TH STREET  
1302 BLOOMFIELD STREET  
1114 GARDEN STREET  
1120 GARDEN STREET  
SIMS PUMP VALVE CO INC  
STAHL SOAP CORP

157 10TH STREET  
LMT STEEL PRODUCTS  
AGRA REALTY APARTMENTS  
52 TO 54 11TH STREET  
257 11TH STREET

210 12TH STREET  
NORTHVALE II APARTMENTS  
NORTHVALE IIIA APARTMENTS  
210 13TH STREET  
ONAFETS INC  
CLEARVIEW CINEMA MOVIE THEATER  
258 SECOND STREET  
STEVENS INSTITUTE OF TECHNOLOGY TW  
KOHN KNITTING MILLS INC  
HOBOKEN HIGH SCHOOL  
FAIRWAY AUTO REPAIRS  
415 ADAMS STREET  
13TH STREET DEVELOPMENT LLC

920 BLOOMFIELD STREET  
1100 BLOOMFIELD STREET  
1235 BLOOMFIELD STREET  
NORTHVALE 3A APARTMENTS  
720 BLOOMFIELD STREET

1138 BLOOMFIELD ST  
926 CASTLE POINT TERRACE  
CHURCH TOWERS APARTMENTS  
NORTHVALE 3B ASSOC  
915 CLINTON ST  
BRAUNSTIEN WAREHOUSE

ENRICOS GARAGE  
HOBOKEN COAL GAS (PSE&G)  
909 CLINTON & 314 9TH STREET  
1211 GARDEN STREET  
1107 GARDEN STREET  
1238 GARDEN STREET

1220 GARDEN STREET  
845 GARDEN STREET

1320 1330 GRAND STREET  
1300 GRAND STREET URBAN RENEWAL LL  
TRIBORO HARDWARE & CHEMICAL  
PISANI & DEBARI CONSTRUCTION CO  
1040 GRAND ST ASSOCIATES

CUNNINGHAM MARINE HYDRAULICS CO IN

UST, NJ BROWNFIELDS  
NJ SHWS, NJ VCP  
NJ SHWS, NJ VCP  
NJ SHWS, NJ VCP  
NJ SHWS, NJ VCP  
NJ SHWS, NJ UST  
RCRA NonGen / NLR, NJ SHWS, NJ  
UST, NJ Financial Assurance  
NJ SHWS  
NJ SHWS, NJ BROWNFIELDS  
NJ SHWS, NJ VCP, NJ BROWNFIELDS  
NJ SHWS, NJ BROWNFIELDS  
NJ SHWS  
NJ SHWS  
NJ SHWS, NJ VCP, NJ BROWNFIELDS  
NJ SHWS, NJ UST  
NJ SHWS  
NJ SHWS, NJ UST, NJ BROWNFIELDS  
NJ SHWS, NJ VCP  
NJ SHWS  
NJ SHWS  
NJ SHWS  
NJ SHWS, NJ BROWNFIELDS  
NJ SHWS, NJ UST  
NJ SHWS  
NJ SHWS, NJ BROWNFIELDS  
NJ SHWS, NJ VCP  
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NJ SHWS, NJ BROWNFIELDS  
NJ SHWS  
NJ SHWS  
NJ SHWS, NJ VCP  
NJ SHWS  
NJ SHWS, NJ BROWNFIELDS  
NJ SHWS, NJ UST, NJ BROWNFIELDS  
NJ SHWS, NJ VCP, NJ BROWNFIELDS  
NJ SHWS, NJ UST  
NJ SHWS  
NJ SHWS  
NJ SHWS, NJ BROWNFIELDS  
NJ SHWS, NJ BROWNFIELDS  
NJ SHWS  
NJ SHWS  
NJ SHWS, NJ VCP  
NJ SHWS, NJ UST, NJ BROWNFIELDS  
NJ SHWS, NJ VCP  
NJ SHWS, NJ BROWNFIELDS  
NJ SHWS, NJ UST, NJ VCP, NJ  
BROWNFIELDS  
NJ SHWS

## EXECUTIVE SUMMARY

109 HARRISON STREET LLC	NJ SHWS, NJ UST
72 HUDSON ST	NJ SHWS
720 HUDSON STREET	NJ SHWS
HOBOKEN SHIPYARDS	NJ SHWS
	NJ SHWS
	NJ SHWS
936 HUDSON STREET	NJ SHWS
800 HUDSON STREET	NJ SHWS
JACKSON STREET GARAGE	NJ SHWS, NJ BROWNFIELDS
C C CASALINO FUEL SERVICE	NJ SHWS, NJ UST
61 JACKSON STREET	NJ SHWS
112 JACKSON ST LLC	NJ SHWS
110 JACKSON ST	NJ SHWS
108 JACKSON ST LLC	NJ SHWS
333 JEFFERSON STREET	NJ SHWS
515 517 JEFFERSON STREET	NJ SHWS
TARRAGON CORP	NJ SHWS, NJ BROWNFIELDS
530 TO 532 MADISON ST	NJ SHWS
MARY BRANDA	NJ SHWS, NJ UST
TARRAGON CORPORATION	NJ SHWS, NJ BROWNFIELDS
233 MADISON ST	NJ SHWS
TARRAGON CORP	NJ SHWS, NJ BROWNFIELDS
SPINA'S AUTOBODY	NJ SHWS, NJ VCP
ENTERPRISE RENT A CAR	NJ SHWS, NJ VCP
1027 PARK AVENUE	NJ SHWS
1313 PARK AVENUE LLC	NJ SHWS, NJ UST
922 PARK AVENUE	NJ SHWS
1600 PARK AVENUE	NJ SHWS, NJ VCP
912 PARK AVENUE	NJ SHWS
814 PARK AVE	NJ SHWS, NJ VCP
1117 PARK AVENUE	NJ SHWS, NJ VCP
1213 PARK AVENUE	NJ SHWS
OLD TODD SHIPYARD	NJ SHWS
740 PARK AVENUE	NJ SHWS
742 PARK AVENUE I F O	NJ SHWS
1231 PARK AVE	NJ SHWS
NORTHVALE 3 APARTMENTS	NJ SHWS, NJ UST, NJ BROWNFIELDS
STEVENS INSTITUTE OF TECH RESIDENT	NJ SHWS
UNION DRY DOCK & REPAIR CO	NJ SHWS, NJ UST
1000 WASHINGTON STREET	NJ SHWS
939 WASHINGTON STREET	NJ SHWS
832 WILLOW AVENUE	NJ SHWS, NJ VCP, NJ BROWNFIELDS
	NJ SHWS
1427 1429 WILLOW AVENUE	NJ SHWS, NJ VCP
1500 WILLOW AVENUE	NJ SHWS, NJ VCP
1601 1623 WILLOW AVENUE	NJ SHWS, NJ VCP
ALORNA COAT CORPORATION	NJ SHWS, NJ BROWNFIELDS, NJ Financial Assurance
1215 TO 1219 WILLOW AVENUE	NJ SHWS, NJ BROWNFIELDS
1203 TO 1207 WILLOW AVENUE	NJ SHWS, NJ BROWNFIELDS
1209 TO 1213 WILLOW AVENUE	NJ SHWS, NJ BROWNFIELDS
57 LOCKATONG ROAD	NJ SHWS, NJ VCP
7725 GREENBRIAR ROAD	NJ SHWS
JULES FREZZO OIL SERVICE INC	NJ SHWS, NJ BROWNFIELDS
514 518 26TH STREET	NJ SHWS
537 539 39TH STREET	NJ SHWS, NJ UST
109 111 44TH STREET	NJ SHWS
238 240 46TH STREET	NJ SHWS
UNION CITY PARKING AUTH LOT #7	NJ SHWS, NJ UST
1610 1612 CENTRAL AVENUE	NJ SHWS
RINCON MUSICAL INC	NJ SHWS
AMBASSADOR VETERINARY HOSPITAL	NJ SHWS, NJ BROWNFIELDS
1506 1510 MANHATTAN AVENUE	NJ SHWS, NJ VCP









## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	1	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	0	1	NR	NR	1
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	1	0	NR	NR	1
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.125		0	NR	NR	NR	NR	0
RCRA-SQG	0.125		0	NR	NR	NR	NR	0
RCRA-CESQG	0.125		1	NR	NR	NR	NR	1
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	TP		NR	NR	NR	NR	NR	0
US INST CONTROL	TP		NR	NR	NR	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
NY SHWS	1.000		0	0	0	0	NR	0
NJ SHWS	1.000		0	0	0	0	NR	0
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
NY SWF/LF	0.500		0	2	0	NR	NR	2
NJ SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
NY LTANKS	0.375		12	19	20	NR	NR	51

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.375		0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
NY TANKS	0.125		1	NR	NR	NR	NR	1
NY UST	0.125		4	NR	NR	NR	NR	4
NJ UST	0.125		0	NR	NR	NR	NR	0
NY CBS UST	0.125		0	NR	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY AST	0.125		2	NR	NR	NR	NR	2
NY CBS AST	0.125		0	NR	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.125		0	NR	NR	NR	NR	0
INDIAN UST	0.125		0	NR	NR	NR	NR	0
FEMA UST	0.125		0	NR	NR	NR	NR	0
<b><i>State and tribal institutional control / engineering control registries</i></b>								
NY ENG CONTROLS	TP		NR	NR	NR	NR	NR	0
NJ ENG CONTROLS	TP		NR	NR	NR	NR	NR	0
NY INST CONTROL	TP		NR	NR	NR	NR	NR	0
NJ INST CONTROL	TP		NR	NR	NR	NR	NR	0
NY RES DECL	0.125		0	NR	NR	NR	NR	0
<b><i>State and tribal voluntary cleanup sites</i></b>								
NY VCP	0.500		0	0	1	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
NJ VCP	0.500		0	0	0	NR	NR	0
<b><i>State and tribal Brownfields sites</i></b>								
NY ERP	0.375		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		1	0	5	NR	NR	6
NJ BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b><i>Local Brownfield lists</i></b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Landfill / Solid Waste Disposal Sites</i></b>								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
NJ SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<b><i>Local Lists of Hazardous waste / Contaminated Sites</i></b>								
US CDL	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
NJ LIENS	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.375		80	87	97	NR	NR	264
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.125		3	NR	NR	NR	NR	3
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	1	0	NR	1
ROD	1.000		0	0	1	0	NR	1
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	0	NR	NR	0
NY UIC	TP		NR	NR	NR	NR	NR	0
NJ UIC	TP		NR	NR	NR	NR	NR	0
NY DRYCLEANERS	0.375		0	0	3	NR	NR	3
NJ DRYCLEANERS	0.375		0	0	0	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NJ COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
NJ Financial Assurance	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	0.250		0	0	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	1.000		0	0	3	3	NR	6
EDR US Hist Auto Stat	0.375		1	0	1	NR	NR	2
EDR US Hist Cleaners	0.375		1	3	7	NR	NR	11

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NPL  
Region  
WNW  
1/4-1/2  
1636 ft.**

**HUDSON RIVER PCBS  
NO STREET APPLICABLE  
HUDSON RIVER, NY 12801**

**NPL 1000384273  
CERCLIS NYD980763841  
RCRA-LQG  
US ENG CONTROLS  
US INST CONTROL  
CONSENT  
ROD  
NY Spills  
PRP**

NPL:

EPA ID: NYD980763841  
EPA Region: 02  
Federal: N  
Final Date: 1984-09-21 00:00:00

Category Details:

NPL Status: Currently on the Final NPL  
Category Description: Depth To Aquifer-<= 10 Feet  
Category Value: 0

NPL Status: Currently on the Final NPL  
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile  
Category Value: 10

Site Details:

Site Name: HUDSON RIVER PCBS  
Site Status: Final  
Site Zip: 12801  
Site City: HUDSON RIVER  
Site State: NY  
Federal Site: No  
Site County: WASHINGTON  
EPA Region: 02  
Date Proposed: 09/08/83  
Date Deleted: Not reported  
Date Finalized: 09/21/84

Substance Details:

NPL Status: Currently on the Final NPL  
Substance ID: Not reported  
Substance: Not reported  
CAS #: Not reported  
Pathway: Not reported  
Scoring: Not reported

NPL Status: Currently on the Final NPL  
Substance ID: A046  
Substance: POLYCHLORINATED BIPHENYLS  
CAS #: 1336-36-3  
Pathway: AIR PATHWAY  
Scoring: 4

NPL Status: Currently on the Final NPL  
Substance ID: A046  
Substance: POLYCHLORINATED BIPHENYLS  
CAS #: 1336-36-3  
Pathway: SURFACE WATER PATHWAY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBs (Continued)**

**1000384273**

Scoring: 4

Summary Details:

Conditions at listing September 1983): The Hudson River PCBs Site is a 40-mile stretch of the Hudson River between Mechanicville and Fort Edward, New York. General Electric Co. discharged an estimated 1.1 million pounds of PCBs into this stretch of river. The State has identified 40 hot spots, defined as sediments contaminated with greater than 50 parts per million (ppm) of PCBs. Also included in the site are five remnant areas, which are river sediments exposed when the level of the river was lowered due to removal of the Fort Edward Dam. The State has taken initial measures to stabilize the remnant areas from erosion. In September 1980, Congress passed an amendment to the Clean Water Act (CWA) that included the Hudson River PCB Reclamation Demonstration Project. Under this legislation, the EPA Administrator could authorize a 75 percent grant, not to exceed 20 million. EPA issued a final Environmental Impact Statement in October 1982 evaluating various dredging alternatives for a demonstration project. EPA has prepared a feasibility study to evaluate alternative remedial actions under CERCLA. The Administrator has determined that CERCLA funds may be used for remedial action at the remnant areas and for evaluating the effectiveness of the water supply system at Waterford, New York. Status June 1984): EPA has completed a draft feasibility study identifying alternatives for remedial action. A search for parties potentially responsible for wastes associated with the site has been completed, and EPA has sent letters to two potentially responsible parties notifying them of possible legal action under CERCLA.

Site Status Details:

NPL Status: Final  
Proposed Date: 09/08/1983  
Final Date: 09/21/1984  
Deleted Date: Not reported

Narratives Details:

NPL Name: HUDSON RIVER PCBs  
City: HUDSON RIVER  
State: NY

CERCLIS:

Site ID: 0202229  
EPA ID: NYD980763841  
Facility County: WASHINGTON  
Short Name: HUDSON RIVER PCBs  
Congressional District: 20  
IFMS ID: 0284  
SMSA Number: 2975  
USGC Hydro Unit: 02020003  
Federal Facility: Not a Federal Facility  
DMNSN Number: 0.00000  
Site Orphan Flag: N  
RCRA ID: Not reported  
USGS Quadrangle: Not reported  
Site Init By Prog: Not reported  
NFRAP Flag: Not reported  
Parent ID: Not reported  
RST Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

EPA Region: 02  
Classification: Waterways/Creeks/Rivers  
Site Settings Code: SU  
NPL Status: Currently on the Final NPL  
DMNSN Unit Code: Not reported  
RBRAC Code: Not reported  
RResp Fed Agency Code: Not reported  
Non NPL Status: Not reported  
Non NPL Status Date: / /  
Site Fips Code: 36115  
CC Concurrence Date: / /  
CC Concurrence FY: Not reported  
Alias EPA ID: Not reported  
Site FUDS Flag: Not reported

**CERCLIS Site Contact Name(s):**

Contact ID: 13002796.00000  
Contact Name: JENNIFER LAPOMA  
Contact Tel: (212) 637-4328  
Contact Title: Remedial Project Manager (RPM)  
Contact Email: Not reported

**CERCLIS Site Alias Name(s):**

Alias ID: 101  
Alias Name: HUDSON RIVER PCBS  
Alias Address: Not reported  
WARREN, NY  
Alias ID: 102  
Alias Name: HUDSON RIVER PCBS  
Alias Address: NO STREET APPLICABLE  
NO CITY APPLICABLE, NY 12801  
Alias ID: 103  
Alias Name: HUDSON RIVER PCBS  
Alias Address: NO STREET APPLICABLE  
HUDSON RIVER, NY 12801  
Alias Comments: Not reported

Site Description: The Hudson River PCBs Site includes a nearly 200 river-mile stretch of the Hudson River in eastern New York State from the Village of Hudson Falls to the Battery in New York City. The Hudson River has been designated an American Heritage River because of its important role in American history and culture. This federal Superfund Record of Decision (ROD) addresses the risks to people and ecological receptors associated with polychlorinated biphenyls (PCBs) in the in-place sediments of the Upper Hudson River. The Site is divided into the Upper Hudson River which is the length of river between Hudson Falls and the Federal Dam at Troy, New York and the Lower Hudson River which is the length of river between Federal Dam at Troy and the Battery. For purposes of this project, EPA further divided the Upper Hudson River area into three main sections known as River Section 1, River Section 2, and River Section 3. The Site also includes five Remnant Deposits, which are areas of PCB-contaminated sediment that became exposed after the river water level dropped following removal of the Fort Edward Dam in 1973. The Upper Hudson River portion of the Site extends from the Fenimore Bridge in Hudson Falls to the Federal Dam at Troy, a distance of just over 43 river miles. The Lower Hudson River extends from the Federal Dam to the southern tip of Manhattan at the Battery in New York City. The Mid-Hudson River, which is primarily a subset of the Lower Hudson River, extends from the Federal Dam at Troy to just south of

**HUDSON RIVER PCBs (Continued)**

**1000384273**

Poughkeepsie. The predominant sources of PCB contamination to the Upper Hudson River were two capacitor manufacturing plants owned and operated by GE. The plants are located adjacent to or near the Hudson River in the Village of Hudson Falls and the Town of Fort Edward. Over a 30-year period, the plants discharged a substantial amount of PCBs into the river. At the GE Hudson Falls plant, leakage of non-aqueous phase PCB-bearing oils through bedrock to the river continues to be a source of PCB contamination. Regarding the former outfall to the Hudson River from the GE Fort Edward plant, New York State Department of Environmental Conservation (NYSDEC) issued a Record of Decision in January 2000 that calls for the excavation of PCB-contaminated soil and sediment in this area of the Upper Hudson River shoreline in order to eliminate this source of PCBs to the river. EPA's analysis assumes a significantly reduced PCB loading to the river from these sources once the State's plans for remediation are implemented. PCBs, the chemicals of concern addressed in this decision document, have been classified by EPA as probable human carcinogens. They are also linked to other serious non-cancer adverse health effects based on observations in animals and emerging evidence in humans. Once discharged from the GE plants, the PCBs adhered to river sediment and accumulated downstream as they settled in impounded pools and other depositional areas. Historic fish and sediment data indicated PCBs were accumulating downstream of the old Fort Edward Dam as well as accumulating behind the dam. The removal of the dam in 1973 resulted in a remobilization and downstream distribution of PCBs that had accumulated behind the dam. Historically, the highest PCB sediment concentrations have been detected in the cohesive sediments within the Upper Hudson River. River scouring/ erosion and other mechanisms have mobilized PCB-contaminated sediments from the extensive cohesive deposits, redepositing them farther downstream all the way to the Battery. The preponderance of data indicates that burial of contaminated sediment by cleaner materials is not universally or uniformly occurring. Data also indicate that contaminated sediments in River Sections 1, 2 and 3 continue to serve as the major source of PCBs to the water column and the fish within the Upper Hudson River. During an approximate 30-year period ending in 1977, PCBs were used in capacitor manufacturing operations Hudson Falls and Fort Edward, New York facilities. PCB oils were discharged both directly and indirectly from these plants into the Hudson River. This included both non-permitted and permitted discharges. Even after permits were received in 1975, permit exceedances occurred. Estimates of the total quantity of PCBs discharged directly from the two plants into the river from the 1940s to 1977 are as high as 1,330,000 pounds (about 605,000 kg). Many of the PCBs discharged to the river adhered to sediments and accumulated with the sediments as they settled in the impounded pool behind the Fort Edward Dam, as well as other depositional areas farther downstream. Because of its deteriorating condition, the Fort Edward Dam was removed in 1973. Five areas of PCB-contaminated sediments were exposed due to the lowering of the river water level when the Fort Edward Dam was removed. These five areas are known as the Remnant Deposits. During subsequent floods, PCB-contaminated sediments from the Fort Edward Dam area were scoured and transported downstream. EPA notified the company that had the two plants of the remedy selected in the 1984 ROD and offered the company the opportunity to implement the selected remedy with respect to the Remnant Deposits and the Waterford drinking water supply evaluation. The company declined EPA's offer. NYSDEC, with funding provided by EPA, conducted the evaluation at the Waterford Water Works. In addition, NYSDEC prepared a design for the in-place containment of the Remnant Deposits. This design was completed in 1988. In March 1989, the company offered to assume responsibility for the implementation of the in-place containment remedy for the Remnant Deposits. EPA issued a September 27, 1989 Administrative Order on Consent to the company which required the company to prepare a remedial design

**HUDSON RIVER PCBS (Continued)**

**1000384273**

report for the construction of access roads to the Remnant Deposits and to submit a design for the in-place containment of the Remnant Deposits incorporating the NYSDEC-prepared design, plus any EPA-approved refinements to that design. EPA also issued a September 27, 1989 Administrative Order to the company requiring the company to construct and maintain the access roads to the Remnant Deposits. The company constructed the in-place containment of the Remnant Deposits under a 1990 Consent Decree with EPA. EPA will evaluate the need for further remedial action for the Remnant Deposits after completion of a 5-year review of the Remnant Deposit containment remedy, performed pursuant to CERCLA §121(c). The company's manufacturing plants in Hudson Falls and Fort Edward are listed under the New York State Inactive Hazardous Waste Disposal Sites Remedial program. The company currently is conducting remedial activities near the Hudson Falls and Fort Edward plants pursuant to Orders on Consent with NYSDEC. The company has thus far declined to implement the January 2000 NYSDEC Record of Decision for the Fort Edward plant Outfall 004. The NYSDEC is conducting the remedial design for that ROD. As one of America's great rivers, the Hudson has played and will continue to play a major role in the history, culture, and economy of the area. The Hudson has been designated an American Heritage River because of its important role in American history and culture. Current and reasonably-anticipated future land use and surface water use are described below. Current land use includes a variety of residential, commercial and industrial activities. Use of the river and lands surrounding the river are projected to remain the same. At this time, no changes in future land use are known, nor are any new uses expected. The Site passes through 14 different counties as the river flows to its final discharge point in New York Harbor. Four counties (Albany, Washington, Rensselaer, and Saratoga) lie adjacent to the more highly contaminated portions (areas of proposed active remediation in River Sections 1, 2 and 3) of the Upper Hudson River between Troy (Federal Dam) and Hudson Falls. Within these four counties, forests and farmlands surround urban centers and historic villages. There are apple orchards and dairy farms, parks, nature preserves and gardens. In addition to the GE Hudson Falls and Fort Edward plants, the area is home to technology companies, oil service companies and food companies. Saratoga and Washington Counties have experienced population growth between 1990 and 1999 of 10.2 percent and 1.4 percent, respectively, while Rensselaer and Albany Counties have experienced population declines of 1.9 percent and 0.3 percent, respectively. Total population of these four counties, according to July 1999 estimates by the US Department of Commerce Bureau of the Census, is just under 700,000. Warren County, in which the City of Glens Falls is located, has a population of just over 60,000 and is just to the northwest of the Hudson River PCBs Site. A Record of Decision (ROD) addressing operable unit 1 (OU 01) was completed in September 1984. A Record of Decision addressing OU 2 was completed in February 2002.

**CERCLIS Assessment History:**

Action Code:	001
Action:	DISCOVERY
Date Started:	/ /
Date Completed:	07/01/83
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Action Code: 001  
Action: SITE INSPECTION  
Date Started: 08/01/83  
Date Completed: 09/01/83  
Priority Level: Higher priority for further assessment  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 09/01/83  
Priority Level: Low priority for further assessment  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: PROPOSAL TO NATIONAL PRIORITIES LIST  
Date Started: / /  
Date Completed: 09/08/83  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH  
Date Started: / /  
Date Completed: 11/15/83  
Priority Level: Search Complete, Viable PRPs  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FINAL LISTING ON NATIONAL PRIORITIES LIST  
Date Started: / /

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Date Completed: 09/21/84  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 03/30/84  
Date Completed: 09/25/84  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 09/25/84  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 10/27/83  
Date Completed: 09/28/84  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: ADMINISTATIVE/VOLUNTARY COST RECOVERY  
Date Started: / /  
Date Completed: 05/04/88  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: REMEDIAL DESIGN  
Date Started: 02/02/89  
Date Completed: 06/05/89  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Original Action Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 06/09/89  
Date Completed: 09/27/89  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Alternate  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 06/09/89  
Date Completed: 09/27/89  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 09/27/89  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 09/27/89  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 03/03/89  
Date Completed: 04/06/90  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Alternate  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMEDIAL DESIGN  
Date Started: 09/28/84  
Date Completed: 05/18/90  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: State, Fund Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Original Action Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: Lodged By DOJ  
Date Started: / /  
Date Completed: 05/18/90  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Action: CONSENT DECREE  
Date Started: 04/06/90  
Date Completed: 07/21/90  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMOVAL ASSESSMENT  
Date Started: 04/17/90  
Date Completed: 08/21/90  
Priority Level: Stabilized  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN  
Date Started: 09/27/89  
Date Completed: 09/28/90  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Responsible Party  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: New Action Resulting from Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS  
Date Started: 03/12/90  
Date Completed: 10/04/90  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Alternate  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN  
Date Started: 05/18/89  
Date Completed: 01/07/91  
Priority Level: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Responsible Party  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: New Action Resulting from Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION  
Date Started: 10/13/89  
Date Completed: 09/29/92  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Responsible Party  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION  
Date Started: 09/28/90  
Date Completed: 09/29/92  
Priority Level: Not reported  
Operable Unit: REMNANT DEPOSIT CAPPING  
Primary Responsibility: Responsible Party  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: REMOVAL ASSESSMENT  
Date Started: 11/19/92  
Date Completed: 12/01/92  
Priority Level: Stabilized  
Operable Unit: ROGER'S ISLAND  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: COMFORT/STATUS LETTER  
Date Started: / /  
Date Completed: 11/02/98  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: REMOVAL ASSESSMENT  
Date Started: 10/14/98  
Date Completed: 01/07/99  
Priority Level: Not reported  
Operable Unit: ROGER'S ISLAND  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: REMOVAL ASSESSMENT  
Date Started: 06/03/98  
Date Completed: 06/24/99  
Priority Level: Not reported  
Operable Unit: ROGER'S ISLAND  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: Public Notice Published  
Date Started: / /  
Date Completed: 03/28/00  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMOVAL  
Date Started: 10/06/99  
Date Completed: 09/14/01  
Priority Level: Stabilized  
Operable Unit: ROGER'S ISLAND  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Time Critical  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 07/25/90

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Date Completed: 02/01/02  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 02/01/02  
Priority Level: Final Remedy Selected at Site  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: Special Notice Issued  
Date Started: / /  
Date Completed: 02/04/02  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: Special Notice Issued  
Date Started: / /  
Date Completed: 02/04/02  
Priority Level: Not reported  
Operable Unit: FLOODPLAINS OU  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: Special Notice Issued  
Date Started: / /  
Date Completed: 02/04/02  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 02/04/02  
Date Completed: 07/23/02  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 07/23/02  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 07/23/02  
Date Completed: 08/13/03  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 08/13/03  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: EXPANDED SITE INSPECTION/REMEDIAL INVESTIGATION  
Date Started: / /  
Date Completed: 08/31/05  
Priority Level: Referred to Removal, no further Rmdl Asmt  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007  
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS  
Date Started: 02/04/02  
Date Completed: 09/06/05  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: TECHNICAL ASSISTANCE GRANT  
Date Started: 09/29/95  
Date Completed: 09/20/05  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: Lodged By DOJ  
Date Started: / /  
Date Completed: 10/06/05  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBs (Continued)**

**1000384273**

Action: COMMUNITY INVOLVEMENT  
Date Started: 03/25/02  
Date Completed: 11/02/06  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Remedial  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: CONSENT DECREE  
Date Started: 09/06/05  
Date Completed: 11/02/06  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 03/29/07  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: STATE SUPPORT AGENCY COOPERATIVE AGREEMENT  
Date Started: 02/22/91  
Date Completed: 04/03/07  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMOVAL NEGOTIATIONS  
Date Started: / /  
Date Completed: 07/11/07  
Priority Level: Not reported  
Operable Unit: FLOODPLAINS OU

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 07/11/07  
Priority Level: Not reported  
Operable Unit: FLOODPLAINS OU  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL  
Date Started: 08/24/07  
Date Completed: 08/27/07  
Priority Level: Cleaned up  
Operable Unit: SITEWIDE  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Emergency  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN  
Date Started: 08/14/03  
Date Completed: 01/25/08  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Phased Start

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: SECTION 104(E) REF LITIGATION  
Date Started: 09/27/07  
Date Completed: 07/28/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 09/05/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 09/05/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS  
Date Started: 02/04/02  
Date Completed: 09/08/08  
Priority Level: Not reported  
Operable Unit: FLOODPLAINS OU  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: ADMINISTRATIVE ORDER ON CONSENT  
Date Started: / /  
Date Completed: 09/08/08  
Priority Level: Not reported  
Operable Unit: FLOODPLAINS OU  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Action Code: 005  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 09/11/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 10/14/08  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007  
Action: UNILATERAL ADMIN ORDER  
Date Started: / /  
Date Completed: 02/03/09  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: REMEDIAL ACTION  
Date Started: 05/09/08  
Date Completed: 11/24/09  
Priority Level: Final RA Report  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Special Account Financed Action - EPA  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: REMEDIAL ACTION  
Date Started: 12/04/08  
Date Completed: 12/23/09

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Priority Level: Final RA Report  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN  
Date Started: 08/14/03  
Date Completed: 04/26/11  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL  
Date Started: 09/11/07  
Date Completed: 04/10/12  
Priority Level: Stabilized  
Operable Unit: FLOODPLAINS OU  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Time Critical  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FIVE-YEAR REVIEW  
Date Started: / /  
Date Completed: 06/01/12  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION  
Date Started: 09/06/05  
Date Completed: 09/04/12  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: TECHNICAL ASSISTANCE  
Date Started: 09/30/97  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: REMEDIAL DESIGN  
Date Started: 02/15/02  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Special Account Financed Action - EPA  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Other Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN  
Date Started: 07/23/02  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Phased Start & Completion

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: TECHNICAL ASSISTANCE  
Date Started: 07/08/03  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REMEDIAL ACTION  
Date Started: 01/19/07  
Date Completed: / /

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Special Account Financed Action - State  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Other Start and Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: REAL PROPERTY ACQUISITION  
Date Started: 02/15/08  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Not reported  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 09/08/08  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: FLOODPLAINS OU  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: TECHNICAL ASSISTANCE GRANT  
Date Started: 11/17/09  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION  
Date Started: 12/31/10  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: REASSESSMENT RIVER  
Primary Responsibility: Responsible Party  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:

Fed Register Date: 09/21/84  
Fed Register Volume: 49  
Page Number: 37070

Fed Register Date: 09/08/83  
Fed Register Volume: 48  
Page Number: 40674

[Click this hyperlink](#) while viewing on your computer to access  
3130 additional US CERCLIS Financial: record(s) in the EDR Site Report.

RCRA-LQG:

Date form received by agency: 03/01/2012

Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY

Facility address: 446 LOCK 8 WAY  
HUDSON FALLS, NY 12839

EPA ID: NYD980763841  
Mailing address: BROADWAY, BLDG 40  
FORT EDWARD, NY 12828

Contact: ROBERT G GIBSON  
Contact address: BROADWAY, BLDG 40  
FORT EDWARD, NY 12828

Contact country: US  
Contact telephone: (518) 746-5253  
Contact email: BOB.GIBSON@GE.COM

EPA Region: 02  
Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: GENERAL ELECTRIC COMPANY  
Owner/operator address: Not reported

Owner/operator country: Not reported  
Owner/operator telephone: Not reported

Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 04/23/2007  
Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Owner/operator name: SEE SECTION 11 COMMENTS  
Owner/operator address: Not reported  
NY  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: State  
Owner/Operator Type: Owner  
Owner/Op start date: 05/02/2007  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 03/03/2010  
Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY  
Classification: Large Quantity Generator

Date form received by agency: 08/29/2008  
Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY  
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) SUPERFUND USEPA  
Classification: Large Quantity Generator

Date form received by agency: 01/01/2007  
Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY  
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA  
Classification: Not a generator, verified

Date form received by agency: 01/01/2006  
Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY  
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA  
Classification: Not a generator, verified

Date form received by agency: 01/01/2001  
Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY  
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA  
Classification: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Hazardous Waste Summary:

Waste code: B002  
Waste name: B002

Waste code: B007  
Waste name: B007

Violation Status: No violations found

US ENG CONTROLS:

EPA ID: NYD980763841  
Site ID: 0202229  
Name: HUDSON RIVER PCBS  
Address: NO STREET APPLICABLE  
HUDSON RIVER, NY 12801  
EPA Region: 02  
County: WASHINGTON  
Event Code: Not reported  
Actual Date: 12/30/01

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/25/84  
Operable Unit: 01  
Contaminated Media : Sediment  
Engineering Control: Containment, (N.O.S.)

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/25/84  
Operable Unit: 01  
Contaminated Media : Sediment  
Engineering Control: No Action

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/25/84  
Operable Unit: 01  
Contaminated Media : Sediment  
Engineering Control: Revegetation

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/25/84  
Operable Unit: 01  
Contaminated Media : Sediment  
Engineering Control: Slope Stabilization

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 02/01/02  
Operable Unit: 02  
Contaminated Media : Sediment  
Engineering Control: Dewatering

Action ID: 002  
Action Name: RECORD OF DECISION

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Action Completion date: 02/01/02  
Operable Unit: 02  
Contaminated Media : Sediment  
Engineering Control: Disposal

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 02/01/02  
Operable Unit: 02  
Contaminated Media : Sediment  
Engineering Control: Excavation

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 02/01/02  
Operable Unit: 02  
Contaminated Media : Sediment  
Engineering Control: Solidification/Stabilization (Ex-Situ)

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 02/01/02  
Operable Unit: 02  
Contaminated Media : Surface Water  
Engineering Control: Monitoring

Action ID: 002  
Action Name: RECORD OF DECISION  
Action Completion date: 02/01/02  
Operable Unit: 02  
Contaminated Media : Surface Water  
Engineering Control: Natural Attenuation

**US INST CONTROL:**

EPA ID: NYD980763841  
Site ID: 0202229  
Name: HUDSON RIVER PCBS  
Action Name: RECORD OF DECISION  
Address: NO STREET APPLICABLE  
HUDSON RIVER, NY 12801  
  
EPA Region: 02  
County: WASHINGTON  
Event Code: Not reported  
Inst. Control: Fishing Advisory  
Actual Date: 12/30/2001  
Comple. Date: 2/1/2002  
Operable Unit: 02  
Contaminated Media : Surface Water

**CONSENT:**

EPA ID: NYD980763841  
Site ID: 0284  
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)  
Court Num: 05-1270  
District: New York, North

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Entered Date: 11/02/06  
Full-text of the consent decree for this site issued by the United States District Court is available from EDR. Contact your EDR Account Executive.

ROD: Full-text of USEPA Record of Decision(s) is available from EDR.

**SPILLS:**

Facility ID: 0308107  
DER Facility ID: 278391  
Facility Type: ER  
Site ID: 237813  
DEC Region: 3  
Spill Date: 10/31/2003  
Spill Number/Closed Date: 0308107 / 10/31/2003  
Spill Cause: Abandoned Drums  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 6000  
Investigator: rxamato  
Referred To: Not reported  
Reported to Dept: 10/31/2003  
CID: 297  
Water Affected: HUDSON RIVER  
Spill Source: Unknown  
Spill Notifier: Federal Government  
Cleanup Ceased: Not reported  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/31/2003  
Spill Record Last Update: 11/6/2003  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller Company: 001  
Contact Name: PETTY OFFICER HAWKINS  
Contact Phone: (718) 354-4121  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SMITH"10/31/03: MEG hired by USCG to remove test and dispose. Container did not leak.

Remarks: CALL TO NRC REPORTING A 55 GALLON DRUM OF UNKNOWN PETROLEUM FLOATING - USCG IS REPOSNDING TO THE SITE

**Material:**

Site ID: 237813  
Operable Unit ID: 874400  
Operable Unit: 01  
Material ID: 501630  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HUDSON RIVER PCBS (Continued)**

**1000384273**

Material FA: Petroleum  
 Quantity: 55  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

PRP:

PRP name: DELAWARE AND HUDSON RAILWAY CO INC  
 GENERAL ELECTRIC COMPANY  
 GOLUB PROPERTIES OF WATERVLIET INC  
 NEW YORK STATE CANAL CORPORATION  
 NIAGARA MOHAWK POWER COMPANY  
 TOWN OF HALFMOON NEW YORK  
 VILLAGE OF STILLWATER  
 WATER COMMISSIONERS OF THE TOWN OF WATERFORD

**A1**  
 < 1/8  
 0.001 mi.  
 4 ft.

**537-545 W 27TH ST**  
**537-545 W 27TH ST**  
**NEW YORK, NY 10012**  
**Site 1 of 14 in cluster A**

**NY UST U004122082**  
**N/A**

**Relative:**  
**Higher**

UST:  
 Id/Status: 2-610856 / Administratively Closed  
 Region: STATE  
 DEC Region: 2  
 Program Type: PBS  
 Expiration Date: N/A  
 UTM X: 584115.03625999996  
 UTM Y: 4511572.6331500001

**Actual:**  
**13 ft.**

Affiliation Records:  
 Site Id: 398843  
 Affiliation Type: Owner  
 Company Name: 537 WEST 27TH STREET OWNERS LLC  
 Contact Type: MEMBER  
 Contact Name: ERIK T. ECKSTIEN  
 Address1: 750 LEXINGTON AVE 16TH FLR  
 Address2: Not reported  
 City: NEW YORK  
 State: NY  
 Zip Code: 10022  
 Country Code: 001  
 Phone: (212) 736-4492  
 Phone Ext: Not reported  
 Email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**537-545 W 27TH ST (Continued)**

**U004122082**

Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 6/9/2008

Site Id: 398843  
Affiliation Type: Mail Contact  
Company Name: ENVIRONMENTAL WASTE MGT  
Contact Type: Not reported  
Contact Name: ROB EDGAR  
Address1: 100 MISTY LANE  
Address2: Not reported  
City: PARSIPPANY  
State: NJ  
Zip Code: 07054  
Country Code: 001  
Phone: (973) 560-1400  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 6/9/2008

Site Id: 398843  
Affiliation Type: On-Site Operator  
Company Name: 537-545 W 27TH ST  
Contact Type: Not reported  
Contact Name: ENVIRONMENTAL WASTE MGT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (973) 560-1400  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 6/9/2008

Site Id: 398843  
Affiliation Type: Emergency Contact  
Company Name: 537 WEST 27TH STREET OWNERS LLC  
Contact Type: Not reported  
Contact Name: ROB EDGAR  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (973) 703-6627  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: msbaptis  
Date Last Modified: 6/9/2008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

537-545 W 27TH ST (Continued)

U004122082

Tank Info:

Site ID: 398843  
  
Tank Number: 1  
Tank ID: 223491  
Tank Status: Unregistered  
Tank Type: Z  
Pipe Model: Not reported

Equipment Records:

A00 - Tank Internal Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
L00 - Piping Leak Detection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Z  
Date Test: Not reported  
Registered: True  
Modified By: msbaptis  
Last Modified: 06/09/2008

Site ID: 398843

Tank Number: 2  
Tank ID: 223492  
Tank Status: Unregistered  
Tank Type: Z  
Pipe Model: Not reported

Equipment Records:

H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
K00 - Spill Prevention - None  
L00 - Piping Leak Detection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Z  
Date Test: Not reported  
Registered: True  
Modified By: msbaptis  
Last Modified: 06/09/2008

Site ID: 398843

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**537-545 W 27TH ST (Continued)**

**U004122082**

Tank Number: 3  
Tank ID: 223493  
Tank Status: Unregistered  
Tank Type: Z  
Pipe Model: Not reported

Equipment Records:

H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
A00 - Tank Internal Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
L00 - Piping Leak Detection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Z  
Date Test: Not reported  
Registered: True  
Modified By: msbaptis  
Last Modified: 06/09/2008

Site ID: 398843

Tank Number: 4  
Tank ID: 223494  
Tank Status: Unregistered  
Tank Type: Z  
Pipe Model: Not reported

Equipment Records:

H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
K00 - Spill Prevention - None  
L00 - Piping Leak Detection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Z  
Date Test: Not reported  
Registered: True  
Modified By: msbaptis  
Last Modified: 06/09/2008

Site ID: 398843

Tank Number: 5  
Tank ID: 223495

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**537-545 W 27TH ST (Continued)**

**U004122082**

Tank Status: Unregistered  
Tank Type: Z  
Pipe Model: Not reported

Equipment Records:

H00 - Tank Leak Detection - None  
K00 - Spill Prevention - None  
A00 - Tank Internal Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
L00 - Piping Leak Detection - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Z  
Date Test: Not reported  
Registered: True  
Modified By: msbaptis  
Last Modified: 06/09/2008

Site ID: 398843

Tank Number: 6  
Tank ID: 223496  
Tank Status: Unregistered  
Tank Type: Z  
Pipe Model: Not reported

Equipment Records:

H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
L00 - Piping Leak Detection - None  
K00 - Spill Prevention - None  
I00 - Overfill - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Z  
Date Test: Not reported  
Registered: True  
Modified By: msbaptis  
Last Modified: 06/09/2008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A2**                    **TENANTS IN COMMON 27TH STREET**                    **RCRA-CESQG**    **1008374561**  
**537-545 W 27TH ST**                    **NYR000133108**  
**< 1/8**                    **NEW YORK, NY 10001**  
**0.001 mi.**  
**4 ft.**                    **Site 2 of 14 in cluster A**

**Relative:**  
**Higher**

RCRA-CESQG:

Date form received by agency: 01/01/2007

Facility name: TENANTS IN COMMON 27TH STREET

Facility address: 537-545 W 27TH ST  
NEW YORK, NY 100015505

EPA ID: NYR000133108

Mailing address: TIER ST APT F  
BRONX, NY 10464

Contact: WILLIAM V CIRILLO

Contact address: TIER ST APT F  
BRONX, NY 10464

Contact country: US

Contact telephone: (718) 885-3255

Contact email: BILLYVC@OPTONLINE.NET

EPA Region: 02

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: NO NAME FOUND

Owner/operator address: Not reported  
Not reported

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Federal

Owner/Operator Type: Operator

Owner/Op start date: 01/01/2004

Owner/Op end date: Not reported

Owner/operator name: NO NAME FOUND

Owner/operator address: Not reported  
Not reported

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/30/1970

Owner/Op end date: Not reported

Owner/operator name: GSA TENANT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TENANTS IN COMMON 27TH STREET (Continued)**

**1008374561**

Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Federal  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/2004  
Owner/Op end date: Not reported

Owner/operator name: KAZ SYSTEMS INC  
Owner/operator address: E GRASSY SPRAIN RD SUITE 209  
YONKERS, NY 10710

Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 10/01/2001  
Owner/Op end date: Not reported

Owner/operator name: 27 STREET OWNERS

Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/30/1970  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 12/14/2006  
Facility name: TENANTS IN COMMON 27TH STREET  
Classification: Small Quantity Generator

Date form received by agency: 12/13/2006  
Facility name: TENANTS IN COMMON 27TH STREET  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/19/2005

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**TENANTS IN COMMON 27TH STREET (Continued)**

**1008374561**

Facility name: TENANTS IN COMMON 27TH STREET  
 Site name: D H S GARAGE  
 Classification: Conditionally Exempt Small Quantity Generator

**Hazardous Waste Summary:**

Waste code: D001  
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018  
 Waste name: BENZENE

Violation Status: No violations found

**A3**  
**< 1/8**  
**0.001 mi.**  
**4 ft.**

**537 WEST 27TH ST**  
**537 WEST 27TH**  
**MANHATTEN, NY**  
**Site 3 of 14 in cluster A**

**NY Spills S109062986**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**13 ft.**

Facility ID: 0801913  
 DER Facility ID: 347338  
 Facility Type: ER  
 Site ID: 397954  
 DEC Region: 2  
 Spill Date: 5/19/2008  
 Spill Number/Closed Date: 0801913 / 5/20/2008  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: hrpatel  
 Referred To: Not reported  
 Reported to Dept: 5/19/2008  
 CID: 444  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Local Agency  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 5/19/2008  
 Spill Record Last Update: 5/20/2008  
 Spiller Name: JIM PASTREICH  
 Spiller Company: Not reported  
 Spiller Address: 537 WEST 27TH  
 Spiller City,St,Zip: MANHATTEN, NY  
 Spiller Company: 001  
 Contact Name: JIM PASTREICH

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**537 WEST 27TH ST (Continued)**

**S109062986**

Contact Phone: (212) 279-5600  
DEC Memo: 05/20/08-Hiralkumar Patel. visited site. during excavation for development, three tanks found in middle of property. all three tanks were approx. 1000 gal size. one tank was found empty and removed from ground. found multiple holes in removed tank. another two tanks sitting next to each other and found product in it. will remove tanks properly and will collect endpoint samples. asked contractor to collect groundwater sample if finds contamination to that depth. as per supervisor, proposed excavation depth is 20 ft bg and dewatering will happen during development.case closed. refer to spill #: 0613440.  
Not reported  
Remarks: REMOVING TANK AND LEAKING OIL

Material:  
Site ID: 397954  
Operable Unit ID: 1154872  
Operable Unit: 01  
Material ID: 2145705  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

A4  
< 1/8  
0.001 mi.  
4 ft.

**COMMERICAL PROPERTY  
537-545 WEST 27TH STREET  
NEW YORK, NY**

**NY Spills S108467893  
N/A**

**Site 4 of 14 in cluster A**

**Relative:  
Higher**

SPILLS:  
Facility ID: 0613440  
DER Facility ID: 328004  
Facility Type: ER  
Site ID: 378471  
DEC Region: 2  
Spill Date: 3/14/2007  
Spill Number/Closed Date: 0613440 / 12/20/2011  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
13 ft.**

SWIS: 3101  
Investigator: rmpiper  
Referred To: Not reported  
Reported to Dept: 3/14/2007  
CID: 410  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

COMMERCIAL PROPERTY (Continued)

S108467893

Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: True  
Remediation Phase: 0  
Date Entered In Computer: 3/14/2007  
Spill Record Last Update: 12/20/2011  
Spiller Name: WILLIAM CIRILLO  
Spiller Company: WILLIAM CIRILLO  
Spiller Address: 33 TIERS ST APT F  
Spiller City,St,Zip: BRONX, NY 10464  
Spiller Company: 001  
Contact Name: WILLIAM CIRILLO  
Contact Phone: (718) 885-3255  
DEC Memo: Sangesland spoke with Carol Owings of Key Environmental. She said the site is an industrial building that had several buried tanks removed. There is contaminated soil on the site that can not be removed, so the area will be treated in place. Key Environmental will work on a plan to submit to the DEC for review. Sangesland wrote a CSL letter and listed Ryan Piper as the contact for the site. CSL sent to one of the owners: William Cirillo, 33 Tiers St, Apt F, Bronx, NY 10464-31-07- EWMA- new contractor. will contact me. 2/6/08- DEC Piper reviewed RAWP addendum and approves. 05/20/08- Hiralkumar Patel. another spill reported (Spill #: 0801913) as found more tanks from site. during excavation, found three approx. 1000 gal size tanks, in middle of property. one tank was found empty and has been removed from ground. multiple holes noted on that tank. another two tanks sitting next to each other and has product in it. contractor will remove tank properly and will take endpoint samples. 09/10/08- Hiralkumar Patel. another spill reported (spill #: 0806482) as found oil coming out from ground in excavated area. 11/14/11- DEC Piper spoke with consultant. Report has been generated and will be sent shortly. 12/20/11- DEC Piper reviewed UST closure report. 5 permanent mw's installed. The wells were set to a depth of 25 feet b.s.g. and constructed with 10 feet of screen and 15 feet of riser. however groundwater is at 7.5- 8 feet bgs. On February 13, 2008 a representative of EWMA sampled MW-1 through MW-5 and MW-27 for VO+10, BN+15 and lead. Sample MW-1 was obtained from MW-1 (located downgradient of the former UST location and along 27th Street) and revealed concentrations of benzene at 471 ppb and in excess of the TOGS 1 ppb standard; and concentrations of toluene at 76.4 and in excess of the TOGS 5 ppb standard; and concentrations of ethylbenzene at 333 ppb and in excess of the TOGS 5 ppb standard; and concentrations of total xylenes at 357 ppb and in excess of the TOGS 5 ppb standard; and concentrations of naphthalene at 99 ppb and in excess of the TOGS 10 ppb standard; Sample MW-27 was obtained from MW-27 (located along 27th Street) and revealed concentrations of benzene at 13 ppb and in excess of the TOGS 1 ppb standard; and concentrations of total xylenes at 11 ppb and in excess of the TOGS 5 ppb standard; Sample MW-2 was obtained from MW-2 (located along 27th Street) and revealed concentrations of benzene at 196 ppb and in excess of the TOGS 1 ppb standard; and concentrations of toluene at 27.7 and in excess of the TOGS 5 ppb standard; and concentrations of ethylbenzene at 243 ppb and in excess of the TOGS 5 ppb standard; and concentrations of total xylenes at 578 ppb and in excess of the TOGS 5 ppb standard. The soil excavated that exhibited fill material type characteristics was transported by truck and delivered to Total Recycling Corporation (TRC) of Allentown, Pennsylvania. The excavated

MAP FINDINGS

**COMMERICAL PROPERTY (Continued)**

**S108467893**

soils, including the soil that exhibited evidence of petroleum impacts from the former USTs were also transported to Total Recycling Corporation (TRC) of Allentown, Pennsylvania. Approximately 3,556 cubic yards of soil was excavated from the Property. In September 2008, and following the initial four foot soil removal additional soil was removed from the site. The additional soil was removed because the original design of the building was changed to include a basement which required the additional removal of soil. Specifically, from September 29th 2008 through February 30th, 2009, representatives of Impact and EWMA coordinated the direct soil load out an additional 22 feet of soil from the Property. This phase of the excavation was coordinated during the installation of steel sheeting, tie backs and foundation piles following the initial excavation of soil to four (4) feet b.s.g. The soil excavated that exhibited fill material type characteristics was transported by truck and delivered to Total Recycling Corporation (TRC) of Allentown, Pennsylvania. The excavated soils, including the soil that exhibited evidence of petroleum impacts from the former USTs were also transported to Total Recycling Corporation (TRC) of Allentown, Pennsylvania. Approximately 19,556 cubic yards of soil was excavated from the Property. On May 20, 2008, during the Property redevelopment and the initial upper layer soil removal, three (3) additional unknown underground storage tanks (USTs) were encountered within the footprint and beneath the concrete floor of the former building. One (1) 1,000-gallon fuel oil and two (2) 550-gallon fuel oil USTs were observed during soil removal. The USTs were relocated in the footprint of the former building. Prior to the UST removal, Mr. Hiralkumar Patel of the (NYSDEC) visited the site, inspected the USTs, and approved the removal of the USTs. Mr. Patel requested that the USTs be properly removed, which included the pumping of liquids, cutting, cleaning and disposing of their contents. Soil samples were also requested by Mr. Patel in accordance with NYSDEC UST regulations and local and state guidelines. W.R. Grace Preprufe 300R/160R membrane was installed as a barrier between sub-grade soils and exterior surfaces of basement slab areas, and between vertical soil retention systems and exterior surfaces of sub-surface wall areas. These membranes are manufactured in accordance with ASTM Standards, demonstrate an ASTM E154 permeance of 0.010 Perms, and are comprised of multilayered composite high density polyethylene (HDPE) sheets. The 300R membrane has a thickness of 40 mils and the 160R membrane has a thickness of 32 mils. Ambient air venting systems are installed beneath the basement slab areas and the slab on grade areas. The basement sub-slab venting system consists of a 12-inch thick bed of 1/2-inch crushed stone beneath the slab, an embedded air inlet header with ambient air inlets at one end of the building, and an embedded vent header with venting outlets at the other end of the building. The slab-on-grade sub-slab venting system consists of a 6-inch thick bed of 1/2-inch crushed stone beneath the slab with a 6-mil polyethylene vapor barrier and a layer of geotextile fabric between the slab and the stone, an embedded air inlet header with ambient air inlets at one end of the building, and an embedded vent header with venting outlets at the other end of the building. The venting systems will be active, with radon fans and back draft dampers installed in the vent outlet piping at one end of the building at locations that can be inspected, monitored and maintained. The ambient air inlets will receive air from about two feet above ground surface at one end of the building, and the venting outlets will vent air from about twenty feet above ground surface at

**COMMERICAL PROPERTY (Continued)**

**S108467893**

the other end of the building. The inlet and outlet locations can be inspected and monitored as needed. Together, the barriers and venting systems will provide two layers of vapor intrusion control and will provide a conservative and maintainable vapor intrusion control system that will be an integral component of the planned building. During the week of September 3, 2010, Zebra Environmental Corp. of Lynbrook, New York installed five (5) permanent 2-inch monitoring wells at the property under the direct supervision of a EWMA representative. The intent was to re-install the replacement wells in or near the previous locations. Ground water was generally encountered between 10.0 and 12.0 feet b.s.g. Soil cuttings during installation activities were screened using a PID and split spoon samples were collected every five feet. EWMA did not note visual signs of contamination during the installation of the wells and no elevated PID readings were recorded. The monitoring wells were constructed using two-inch diameter, 0.020-inch machine slot Schedule 40 PVC well screen intersecting ground water at the time of the well installation. Solid two inch diameter Schedule 40 PVC completed the upper portion of the well. The connection between the riser and well screen was flush-joint threading with no adhesive required. The wells were filter packed with clean, No. 2 sand from the bottom of the borehole to approximately two feet above the top of the screen. The remaining annular space around the upper portion of each well was grouted using Benseal and cement. The monitoring wells were completed as flush mount wells with concrete pads. On September 20, 2010 a representative of EWMA sampled MW-1R, MW-27R, MW-2R, MW-3R, and MW-5R for VO+10, BN+15 and lead. The results of the ground water sampling event revealed volatile organic compounds above the NYSDEC TOGS 1.1.1 Groundwater Standards/Criteria in the groundwater samples of four (4) monitoring wells, MW-1R, MW-27R, MW-2R, and MW-3R. EWMA notes that the results of the sampling event did not detect any exceedences in monitoring well MW-5R, which is located along West 28th Street. Laboratory analysis revealed the following: Sample MW-1R was obtained from MW-R1 (located down gradient of the former UST location and along 27th Street) and revealed concentrations of benzene at 9.88 ppb and in excess of the TOGS 1 ppb standard; and concentrations of ethylbenzene at 83.9 ppb and in excess of the TOGS 5 ppb standard; and concentrations of total xylenes at 352 ppb and in excess of the TOGS 5 ppb standard; and concentrations of naphthalene at 16.1 ppb and in excess of the TOGS 10 ppb standard; Sample MW-27R was obtained from MW-27R (located along 27th Street) and revealed concentrations of benzene at 5.11 ppb and in excess of the TOGS 1 ppb standard; and concentrations of ethylbenzene at 54.3 ppb and in excess of the TOGS 5 ppb standard; and concentrations of total xylenes at 227 ppb and in excess of the TOGS 5 ppb standard; Sample MW-2R was obtained from MW-2R (located along 27th Street) and revealed concentrations of benzene at 3.29 ppb and in excess of the TOGS 1 ppb standard; and concentrations of ethylbenzene at 39.9 ppb and in excess of the TOGS 5 ppb standard; and concentrations of total xylenes at 173 ppb and in excess of the TOGS 5 ppb standard; and concentrations of naphthalene at 11.8 ppb and in excess of the TOGS 10 ppb standard; Sample MW-3R was obtained from MW-3R (located along 28th Street) and revealed concentrations of benzene at 13.4 ppb and in excess of the TOGS 1 ppb standard; and concentrations of total xylenes at 10.1 ppb and in excess of the TOGS 5 ppb standard; EWMA notes that the results of the September 20, 2010 sampling event did not detect any exceedences in monitoring well MW-5R, which is located along West

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

COMMERICAL PROPERTY (Continued)

S108467893

28th Street. On October 26, 2010 a representative of EWMA sampled MW-1R, MW-27R, MW-2R, MW-3R, and MW-5R for VO+10 and BN+15. The results of the ground water sampling event revealed volatile organic compounds above the NYSDEC TOGS 1.1.1 Groundwater Standards/Criteria in the groundwater samples of four (4) monitoring wells, MW-1R, MW-27R, MW-2R, and MW-3R. EWMA notes that the results of the sampling event did not detect any exceedences in monitoring well MW-5R, which is located along West 28th Street. Groundwater flow is relatively flat throughout the Property however, topographic grade is to the southwesterly direction. Laboratory analysis revealed the following: Sample MW-1R was obtained from MW-1R (located downgradient of the former UST location and along 27th Street) and revealed concentrations of benzene at 4.99 ppb and in excess of the TOGS 1 ppb standard; and concentrations of ethylbenzene at 186 ppb and in excess of the TOGS 5 ppb standard; and concentrations of total xylenes at 808 ppb and in excess of the TOGS 5 ppb standard; Sample MW-27R was obtained from MW-27R (located along 27th Street) and revealed concentrations of benzene at 3.62 ppb and in excess of the TOGS 1 ppb standard; and concentrations of ethylbenzene at 35.2 ppb and in excess of the TOGS 5 ppb standard; and concentrations of total xylenes at 156 ppb and in excess of the TOGS 5 ppb standard; Sample MW-2R was obtained from MW-2R (located along 27th Street) and revealed concentrations of benzene at 3.60 ppb and in excess of the TOGS 1 ppb standard; and concentrations of ethylbenzene at 19.3 ppb and in excess of the TOGS 5 ppb standard; and concentrations of total xylenes at 85.8 ppb and in excess of the TOGS 5 ppb standard; Sample MW-3R was obtained from MW-3R (located along 28th Street) and revealed concentrations of benzene at 4.33 ppb and in excess of the TOGS 1 ppb standard; and concentrations of total xylenes at 8.66 ppb and in excess of the TOGS 5 ppb standard; EWMA notes that the results of the October 26, 2010 sampling event did not detect any exceedences in monitoring well MW-5R, which is topographically upgradient and located along West 28th Street. Two rounds of groundwater sample results from the wells indicate that the dissolved groundwater contamination at the Property has been significantly reduced. However, groundwater contaminants continue to be present at low levels that exceed the GWQS in the perimeter groundwater monitoring wells. Based on the presence of concentrations of contaminants above the GWQS in the upgradient wells, ground water contamination may be migrating on site from offsite source(s). Due to the removal of site soils down to 25 feet and the water table, there are no source soils remaining at the site. Therefore, natural attenuation for the remaining residual ground water contaminants is proposed. EWMA recommends no further investigation and closure for NYSDEC Spill Case No. 0613440. The NYCDEP reviewed the Closure Report and the Property was provided with a Notice of Satisfaction. Based on work to date, this spill is closed. see edocs if warranted.

Remarks:

TANKS WERE REMOVED: REMEDIATION PENDING:

Material:

Site ID: 378471  
Operable Unit ID: 1135976  
Operable Unit: 01  
Material ID: 2125907  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COMMERICAL PROPERTY (Continued)**

**S108467893**

Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**A5**  
**< 1/8**  
**0.001 mi.**  
**4 ft.**

**CONSTRUCTION SITE**  
**537 WEST 27TH ST**  
**MANHATTAN, NY**

**NY Spills S109372079**  
**N/A**

**Site 5 of 14 in cluster A**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**13 ft.**

Facility ID: 0806482  
DER Facility ID: 352988  
Facility Type: ER  
Site ID: 403764  
DEC Region: 2  
Spill Date: 9/9/2008  
Spill Number/Closed Date: 0806482 / 9/9/2008  
Spill Cause: Unknown  
Spill Class: Not reported  
SWIS: 2401  
Investigator: hrpatel  
Referred To: Not reported  
Reported to Dept: 9/9/2008  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/9/2008  
Spill Record Last Update: 9/11/2008  
Spiller Name: SEAN DONOHUE  
Spiller Company: UNKNOWN  
Spiller Address: 537 WEST 27TH STREET  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: SEAN DONOHUE  
Contact Phone: (718) 595-5000  
DEC Memo: 09/09/08-Hiralkumar Patel. Visited site. Met Mark Trashaj, construction manager. Mark mentioned that as part of re-survey of the site, they need to excavate some soil to expose top of the some installed piles. After finishing excavation, found oil (similar to diesel or #2 fuel oil) coming out from ground. Observed free product and sheen on water collected inside excavation. Also found water in some piles (which are hollow round pipe) at about 25 ft bg and found sheen on water in pile. Heavy odors in the area. Spoke with consultant Environmental waste management associates. He mentioned that spill

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE (Continued)**

**S109372079**

was reported earlier (spill : 0613440) and DEC Ryan Piper is a project manager. He also mentioned that they removed diesel USTs from the site. Site has "e" designation. Mark gave copy of DEP approval letter to proceed, dated Dec. 17, 2007 (forwarded to DEC Piper). Mark Trashaj&M Builder LLC. 1865 Palmer Ave, Suite 107 Larchmont, NY 10538 Ph. (917) 615-6255 (O) (914) 447-3075 (C) email: mtrashaj@lmdevpartners.com Rob Edgar Environmental Waste Management Associates Ph. (973) 560-1400 fax (973) 560-0400 case closed. refer to spill #: 0613440.

Remarks: CALLER STATES THAT OIL SEEMS TO BE COMING FROM A CONSTRUCTION SITE AT THE ABOVE ADDRESS. NO FURTHER INFORMATION IS AVAIL.

Material:

Site ID: 403764  
Operable Unit ID: 1160451  
Operable Unit: 01  
Material ID: 2151626  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0807436  
DER Facility ID: 354051  
Facility Type: ER  
Site ID: 404785  
DEC Region: 2  
Spill Date: 10/2/2008  
Spill Number/Closed Date: 0807436 / 10/8/2008  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: rvketani  
Referred To: Not reported  
Reported to Dept: 10/2/2008  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Fire Department  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/2/2008  
Spill Record Last Update: 10/8/2008  
Spiller Name: ROB EDGAR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE (Continued)**

**S109372079**

Spiller Company: 537 W. 27 STREET OWNERS, LLC  
Spiller Address: 537 WEST 27TH ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: FIRE DEPT  
Contact Phone: Not reported  
DEC Memo: 10/02/08-Hiralkumar Patel. spoke with dispatcher 258 at FDNY. he mentioned that large quantity of diesel spilled in open excavation at construction site.10/02/08 - Raphael Ketani. Earlier cases are associated with this site and are listed under the Spills managers Ryan Piper and Hiralkumar Patel. They are 0613440-tank failure (active case), 0801913-discovered fuel tanks, 0806482-found oil in ground. The site is block and lot 699 and 9. The owner is 537 West 27 Street Owners, LLC, c/o RD Management, LLC, 810 7th Avenue, 28th Floor, NY, 10019. The site main address is 537 West 27 Street, but alternative addresses are 537-545 W. 27 Street and 538-546 W. 28 Street. The site had a one story garage/service station from old pictures in Property Shark.The site has an E-designation and the DEP contacts are Terrell Estes (718) 595-4473 and Maurice Winter (718) 595-4514. PBS case #2-610856 lists 6 closed 550 gallon tanks. Two had diesel fuel and the rest had #2 oil. The owner is listed as 537 W. 27 Street Owners, LLC. I visited the site today. I met Leeron Tagger, Environmental Technician from Environmental Waste Management Associates (973) 560-1400/FAX (973) 560-0400. He said that the FDNY was here and left. He said that they showed up because a neighbor had complained about strong odors in the air in their ventilation system. He said that 3 tanks were discovered at the site, two in the center and one in the southeast corner. He said that all three had a hole or two and had leaked oil. Mr. Tagger said that the two tanks that were in the middle of the property were discovered with oil in them. I noticed that they had dug out the site to about 7 feet below grade. I asked him how much more soil was going to be dug out. The construction foreman said that they will dig out to about 12 feet below grade, but groundwater is 10 feet below grade. I asked the foreman where bedrock was. He said it varied between 20 feet to 40 feet below the site. Mr. Tagger stated that they will conduct site dewatering and collect the contaminated water and filter it for the oil and other contaminants. I smelled a strong odor of diesel fuel. I asked him whether contaminated soil had been removed. He said that some had been removed and that he has a manifest for the soil. I asked him whether end-point samples were taken. He said that they had. I told him that I smelled strong diesel odors and that much more soil will need to be removed. He said that it will. I told him that EWMA will need to submit a report with a sit map showing the locations where the tanks were and where the oil contaminated soil is, manifests for the soil removed, and end point sample results. He said that a report is being prepared for the site right now. I asked him whether the tanks had been registered with DEC. He said that he thought they had been, and that two checks had been sent to DEC, but that I should talk to the project manager, Rob Edgar at (973) 560-1400, ext 159. I took 3 pictures of the site and left.Later, I tried to call Mr. Edgar regarding the need to remove more soil because the odors were strong and because there had been odor complaints from a neighbor. I could only leave a message. However, I did state that the matter was urgent and that EWMA had to institute an odor management/abatement program immediately and to call me back as soon as possible.Mr. Edgar called me back. He said that they

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE (Continued)**

**S109372079**

already took out 55 truck loads of soil. He said that he has someone on site who is monitoring for fugitive dust and odors. He said that Mr. Tagger walks around with a PID meter and checks the vapor concentrations. He said that, so far, they have not been over the limits. I told Mr. Edgar that it's not just a matter of how high the vapor concentrations are, but also whether the odors are a nuisance. I told him that the vapors got into the ventilation system of a neighbor and there were complaints to DEC. He said that he was aware of this and that there's oil in the soil, so there are odors. He said that's the situation at the site. I told him that not only does he have to get the construction company to remove soil quickly, but that he has to come up with a method of controlling and abating the odors. He suggested covering the affected areas with plastic. I told him that plastic may not be the best method. I told him that I will talk to my supervisor, Randall Austin, Chief of the Spills Unit. Mr. Austin recommended that they use odor suppressing foam to control the vapors and that they come up with an odor management plan. However, he said that plastic can be used as a temporary measure. I called Mr. Edgar and told him that the plastic sheeting can be used as a temporary measure, but that foam should be put down to control the odors while they dig. He said that the construction company doesn't like using the foam. I told him that he will have to come up with some plan to take care of the odors and that the odor control has to begin immediately. He said that EWMA always complies with all environmental regulations and laws. I told him that his company will have to get control of the odors fast and abate this problem, otherwise there could be more complaints and more problems. With that the conversation ended. 10/3/08 - Raphael Ketani. I made an unannounced site visit today at about 2:11PM. I met Mr. Tagger of EWMA and Mark Trashaj of L&M Builders, LLC - foreman for the development company (914) 833-3000. I saw that no digging was taking place, but the crew was laying plastic sheeting over the site where the oil had spilled (see photos in E-docs). The odors at the site were slight, except where the backhoe was sitting. My PID meter registered up to 2100 ppb of vapors at one foot above the soil with a slight breeze blowing. I showed Mr. Tagger and Mr. Trashaj that my PID meter was detecting up to 2100 ppb of total vapors. They said that the soil which comprises the platform for the excavator is contaminated with oil. I asked them when this soil will be removed and when the rest of the soil will be carted away. Mr. Trashaj said that they can't remove any more soil or else the steel sheet pilings will fall into the site. He said that the next step will be to install holdfasts for the steel pilings over the next two weeks. I told him that the contaminated soil has to be moved. He said that they will keep the contaminated areas covered with plastic at all times and if any gets ripped, then they will replace the damaged plastic. I told him that the contaminated soil which comprises the platform has to be removed next week. He said that this will be done as it doesn't affect the stability of the steel sheet pilings. Mr. Tagger assured me that when they dig, there are many trucks lined up to take loads of soil. He said that they will work hard to remove the rest of the soil after the holdfasts are installed and that they will maintain the plastic covering. After this, I left, but I told them that I will be back next week. 10/8/08 - Raphael Ketani. I spoke to the case manager for the site, Ryan Piper of DEC Region 2 Spills. I debriefed him on what when on at the site the two times I visited it and about the odor complaint. I told him about the installation of

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONSTRUCTION SITE (Continued)**

**S109372079**

the plastic sheeting and that Randall Austin, Chief of the unit, had approved its use temporarily. I told Mr. Piper about the oil contaminated soil that was being used as a platform for the excavator and that no digging will take place over the next two weeks as tie backs need to be installed all around. I mentioned that I had informed Mr. Tagger, Mr. Trashaj, and Mr. Edgar that the contaminated platform soil had to go immediately. Mr. Piper told me to close out this case and refer it back to the active one, #0613440. Therefore, I am closing out this case today and referring it back to the initial spill case that is still active with Mr. Piper.

Remarks: Unknown spill at a construction site. Caller had no further info.

Material:

Site ID: 404785  
 Operable Unit ID: 1161429  
 Operable Unit: 01  
 Material ID: 2152626  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 100  
 Units: Gallons  
 Recovered: 100  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

**A6**  
**ENE**  
**< 1/8**  
**0.002 mi.**  
**13 ft.**

**EXCAVATION**  
**538 WEST 28 ST**  
**MANHATTAN, NY**  
**Site 6 of 14 in cluster A**

**NY Spills S110488252**  
**N/A**

**Relative:**  
**Higher**

SPILLS:

Facility ID: 1004180  
 DER Facility ID: 392405  
 Facility Type: ER  
 Site ID: 437442  
 DEC Region: 2  
 Spill Date: 7/14/2010  
 Spill Number/Closed Date: 1004180 / 1/13/2011  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**13 ft.**

SWIS: 3101  
 Investigator: RWAUSTIN  
 Referred To: Not reported  
 Reported to Dept: 7/14/2010  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXCAVATION (Continued)**

**S110488252**

Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/14/2010  
Spill Record Last Update: 1/13/2011  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: ERT  
Contact Phone: (212) 580-8383  
DEC Memo: 1/13/11 - Austin - Discolored soil tested and found to be non-hazardous - Con Ed contained and cleaned up the spill - see eDocs for more information - Spill closed - end  
Remarks: contaminated soil found during excavation/clean up pending test results

Material:

Site ID: 437442  
Operable Unit ID: 1188120  
Operable Unit: 01  
Material ID: 2183029  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.13  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

A7  
SW  
< 1/8  
0.004 mi.  
22 ft.

**ADMIRAL ENGRAVING & ETCHING LTD**  
**547 W 27TH ST**  
**NEW YORK, NY 10001**  
**Site 7 of 14 in cluster A**

**RCRA NonGen / NLR 1000261079**  
**NY Spills NYD982738916**

**Relative:**  
**Lower**

RCRA NonGen / NLR:  
Date form received by agency: 01/01/2007  
Facility name: ADMIRAL ENGRAVING & ETCHING LTD  
Facility address: 547 W 27TH ST  
NEW YORK, NY 10001  
EPA ID: NYD982738916  
Mailing address: W 27TH ST  
NEW YORK, NY 10001  
Contact: Not reported  
Contact address: W 27TH ST  
NEW YORK, NY 10001  
Contact country: US  
Contact telephone: Not reported

**Actual:**  
**12 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ADMIRAL ENGRAVING & ETCHING LTD (Continued)**

**1000261079**

Contact email: Not reported  
EPA Region: 02  
Land type: Facility is not located on Indian land. Additional information is not known.  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: UNKNOWN  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: UNKNOWN  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Facility name: ADMIRAL ENGRAVING & ETCHING LTD  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Facility name: ADMIRAL ENGRAVING & ETCHING LTD  
Classification: Not a generator, verified

Date form received by agency: 07/19/1989  
Facility name: ADMIRAL ENGRAVING & ETCHING LTD  
Classification: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ADMIRAL ENGRAVING & ETCHING LTD (Continued)**

**1000261079**

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 06/06/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 10/13/1993  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 08/17/1993  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

SPILLS:

Facility ID: 0601544  
DER Facility ID: 313995  
Facility Type: ER  
Site ID: 363806  
DEC Region: 2  
Spill Date: 5/11/2006  
Spill Number/Closed Date: 0601544 / 9/24/2007  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: rmpiper  
Referred To: Not reported  
Reported to Dept: 5/11/2006  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/11/2006  
Spill Record Last Update: 9/24/2007  
Spiller Name: MARK SALAMACK  
Spiller Company: APARTMENT  
Spiller Address: 547 WEST 27TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: MARK SALAMACK  
Contact Phone: (917) 559-5519 CELL  
DEC Memo: 5/12/2006 Sangesland spoke with Joe Ostrowski at PTC about this site. He said the tank is in a tank room and began to leak. The owner hired

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ADMIRAL ENGRAVING & ETCHING LTD (Continued)**

**1000261079**

PTC to ONLY vac out the tank. Joe says approx. 25-30 gal of #6 oil remains under the tank along with oil soaked debris. Unknown who is doing the cleanup. Property Shark says the building has several alternate addresses: a/k/a 548-552 West 28th St & 547-553 West 27th St. NO PBS records found for any of these addresses.... Probably in PBS Violation Property Shark Owner: Mariners Gate, LLC 548 West 28th St, NY, NY 11101. Property manager- Jim Pastreich, Pinetree Group 212-279-5600. Sangesland spoke to Mr. Pastreich's secretary. He'll call back. 5/12/06- DEC Piper responded to site. Oil soaked debris remains under tank. Tank was emptied and cleaned yesterday. Seam in tank was cracked. DEC Piper instructed Jim of Pinetree to contract cleanup co. ECO Kurt Bush responded to site and issued ticket for unregistered tank. PTC issued proposal. PTC to cleanup on Monday and investigate presence of oil b/w tank and vault. 5/16/06- DEC Piper spoke w/ PTC. As per conversation, there is oil between the tank and the vault. A hole drilled through the vault revealed product. Piper issued CSL. 5/19/06- DEC Piper spoke w/ Jim. As per conversation, soil contamination removed. Repairs will be made to tank and retested. Jim did not mention contaminated material b/w tank and vault as PTC described to DEC earlier. Jim will contract out another contractor as PTC services were not rendered/ nor wanted. Piper faxed list of contractors to Jim. This work needs to be completed. 10/4/06- DEC Piper left message for Jim P to call back w/ update and documentation. Piper searched PBS and the tank is now registered. 4/27/07- DEC Piper has not received any info on cleanup or repairs. Additionally, the PBS reg is expired. Referred to PBS for inspection. 9/24/07- DEC Piper received disposal manifests from work performed in 9/ 2006. Soil samples were recently collected. No VOC's over TAGM though there are a few SVOC's over. The tank has been repaired. PBS violations exist and has been referred to legal. This spill is closed. See edocs if warranted.

Remarks:

TANK IS LEAKING AND STILL INVESTIGATING CAUSE: IN PROCESS OF CLEANING AND IS IN A ENCLOSED TANK ROOM

Material:

Site ID: 363806  
Operable Unit ID: 1121862  
Operable Unit: 01  
Material ID: 2111344  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A8**  
**NNE**  
**< 1/8**  
**0.004 mi.**  
**23 ft.**

**WEST 28TH ST PARKING GAR.**  
**534-536 WEST 28TH STREET**  
**NEW YORK, NY**  
**Site 8 of 14 in cluster A**

**NY Spills**    **S103574788**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 9830018  
DER Facility ID: 105264  
Facility Type: ER  
Site ID: 121271  
DEC Region: 2  
Spill Date: 11/20/1998  
Spill Number/Closed Date: 9830018 / 11/25/1998  
Spill Cause: Other  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. No DEC Response. No corrective action required.

**Actual:**  
**13 ft.**

**SWIS:**

Investigator: MMMULQUE  
Referred To: Not reported  
Reported to Dept: 7/22/1998  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Citizen  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: 11/23/1998  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/25/1998  
Spill Record Last Update: 1/22/1999  
Spiller Name: MOE YAGHUBI  
Spiller Company: OWNER OF GARAGE AT  
Spiller Address: 534-536 WEST 28TH STREET  
Spiller City,St,Zip: NEW YORK, NY 10001-  
Spiller Company: 001  
Contact Name: MOE YAGHUBI  
Contact Phone: (914) 779-6800  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was

**Remarks:**

CALLER BUYING PROPERTY, SITE ASSESSMENT FOUND IMPACTED SOILS IN FORMER UST LOCATION. GROUNDWATER SAMPLING DID NOT INDICATE ANY IMPACT. Not reported

**Material:**

Site ID: 121271  
Operable Unit ID: 1076939  
Operable Unit: 01  
Material ID: 309048  
Material Code: 0009  
Material Name: Gasoline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST 28TH ST PARKING GAR. (Continued)

S103574788

Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

A9  
NNE  
< 1/8  
0.006 mi.  
31 ft.

538 W 28TH ST  
538 W 28TH ST  
NYC, NY  
Site 9 of 14 in cluster A

NY Spills S102141508  
N/A

Relative:  
Higher

SPILLS:

Actual:  
13 ft.

Facility ID: 9109612  
DER Facility ID: 71474  
Facility Type: ER  
Site ID: 76462  
DEC Region: 2  
Spill Date: 12/10/1991  
Spill Number/Closed Date: 9109612 / 11/21/1994  
Spill Cause: Human Error  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 12/10/1991  
CID: Not reported  
Water Affected: STORM DRAIN  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: 11/21/1994  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/13/1991  
Spill Record Last Update: 11/21/1994  
Spiller Name: Not reported  
Spiller Company: MERIDAN TRANS  
Spiller Address: 43 CLAREMONT AVE  
Spiller City,St,Zip: JERSEY CITY, NJ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: TRUCK STRUCK MANHOLE COVER. CLEAN VENTURES, FD, & SANITATION ON SCENE TO CLEAN UP.

Material:  
Site ID:

76462

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**538 W 28TH ST (Continued)**

**S102141508**

Operable Unit ID: 963405  
Operable Unit: 01  
Material ID: 418212  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 55  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**A10**  
**SSW**  
**< 1/8**  
**0.012 mi.**  
**65 ft.**

**530 WEST 27TH ST/MANH**  
**530 WEST 27TH STREET**  
**NEW YORK CITY, NY**  
**Site 10 of 14 in cluster A**

**NY Spills S104275540**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**  
Facility ID: 8901381  
DER Facility ID: 131980  
Facility Type: ER  
Site ID: 155911  
DEC Region: 2  
Spill Date: 5/11/1989  
Spill Number/Closed Date: 8901381 / 11/6/2008  
Spill Cause: Equipment Failure  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
**SWIS:**  
Investigator: HRAHMED  
Referred To: Not reported  
Reported to Dept: 5/11/1989  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Non Major Facility > 1,100 gal  
Spill Notifier: Federal Government  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/18/1989  
Spill Record Last Update: 11/6/2008  
Spiller Name: Not reported  
Spiller Company: RICHARD BRESLOW  
Spiller Address: 559 WEST 45TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: letter to be sent Last update by JBMCCULL on 12/20/05 - transferred

**Actual:**  
**12 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**530 WEST 27TH ST/MANH (Continued)**

**S104275540**

back to R-23/5/08 - Austin - Assigned to Ketani for further investigation - end 4/21/08 - Raphael Ketani. The spill occurred on 5/11/89. The UST was filled with water and the top of the tank and the cement were seeping oil. The tank holds #6 oil. Richard Breslow, 559 W. 45 Street, NY (212) 265-4023 was on the original spill report as the spiller. There is no file for the case. I checked Property Shark, NYC Property Tax listings, and ACRIS and found the owners as: 27th Street Property, LLC, c/o Centaur Properties, LLC, 35 E. 21 Street, 3rd Floor, NY, 10010; and Gaiety Investments, Ltd., c/o Hartman & Craven, LLP, 488 Madison Avenue, NY, 10022. The PBS registration is for 536 W. 27 Street. The number is #2-476560. It shows a 5000 gal. tank that was closed, but used to contain #6 oil. I sent CSLs to both 27th Street Property and Gaiety Investments, Ltd. 4/23/08 - Raphael Ketani. Joe Graceson of Centaur Properties (212) 308-4443 called and left his phone number in a voice mail message. I made contact with Mr. Graceson. He said that Centaur is the sole owner. He said that the building uses gas only. The building was bought from Gaiety a little while ago. Centaur has had little cooperation from Gaiety in obtaining old records. He asked for any records that DEC has. I told him we have nothing. He asked what the next step would be if he can't find any information regarding the cleanup. I told him that Centaur will have to hire an environmental company to do an investigation and cleanup. I told him that DEC will need to receive the investigation plan, the site investigation report, the remediation plan, and the remediation report. He said he understood. With that, the conversation ended. 4/28/08 - Raphael Ketani. Steve O'Connell of Hartman & Craven (212) 836-4933 called. He said he represents Gaiety. He said that his company was involved when Gaiety first purchased the property and when they recently sold it. He said that Gaiety has no involvement with the site. 5/28/08 - Raphael Ketani. Mohammed Ahmed of Fleming Lei Shue called and said that he can't find any records or plans showing where the fuel tank used to be. He asked whether DEC had any records. I told him "No." He said he will try to put together an investigation plan. He said that he thinks he has a general idea of where the tank used to be. I told him that it may "boil down" to just doing some geoprobing all over the basement. He said that may be what will happen. 5/29/08 - Raphael Ketani. Mr. Ahmed called. He said that he found a 1 page document from the NYFD stating that the tank was removed. I told him to send the document to me. I also told him that this doesn't preclude doing a soil investigation. He said he understood and that he will send a proposal for the work to be done. I received the Fire Department document by FAX from Mr. Ahmed. 6/3/08 - Raphael Ketani. Today I received the site investigation plan dated 5/29/08 via e-mail from Mr. Ahmed. I reviewed the plan, found it acceptable and e-mailed Mr. Ahmed to go ahead with the work. 8/15/08 - Raphael Ketani. In preparation for case transfer, I am annotating the database as regards what needs to be done at the site to resolve the alleged or known environmental contamination. Followup is needed to see whether Fleming Lei Shue conducted the investigation and to get a copy of the report. Mr. Ahmed (212) 675-3225 called me. He said that the report is complete. He said he will send it, but only a little contamination was found on the concrete slab that used to support the tank. He said the groundwater has a little benzene, but this is not from the tank as it had #6 oil. He said the benzene levels are in the single digits to about 19 ppb. 09/02/08-HRAHMED-Returned Mohamed of Flemming Lee Sue call and left a message to call back. 09/03/08-HRAHMED-Mohamed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

530 WEST 27TH ST/MANH (Continued)

S104275540

sent me Limited Site Assessment Report with end point sample analyticles. As per the report, "New York City Fire Department (FDNY) records have indicated that the UST has been removed from the Site".09/24/08-HRAHMED-Met with Mohamed of Flemming Lee Sue. No visual sign of affected drain or pit, no odor noticed. The opening of the basement is small. The base floor is a concrete finished basement. It used to be a club. this case is closed.

Remarks:

BURIED UNDERGROUND TANK FILLED WITH WATER BUT SURFACE SOIL AROUND TANKTOP & CEMENT IS SEEPING WITH OIL, OIL WAS SAMPLED.

Material:

Site ID: 155911  
Operable Unit ID: 927510  
Operable Unit: 01  
Material ID: 449130  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

A11  
SSE  
< 1/8  
0.018 mi.  
93 ft.

HART REALTY  
520 WEST 27TH STREET  
NEW YORK, NY 10001  
Site 11 of 14 in cluster A

NY UST U001840994  
N/A

Relative:  
Higher

UST:  
Id/Status: 2-480711 / Unregulated  
Region: STATE  
DEC Region: 2  
Program Type: PBS  
Expiration Date: N/A  
UTM X: 584175.90468000004  
UTM Y: 4511552.5654600002

Actual:  
14 ft.

Affiliation Records:  
Site Id: 21462  
Affiliation Type: Owner  
Company Name: HART REALTY  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 520 WEST 27TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 279-5280  
Phone Ext: Not reported  
Email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HART REALTY (Continued)**

**U001840994**

Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 21462  
Affiliation Type: Mail Contact  
Company Name: HART REALTY  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 520 WEST 27TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (212) 279-5280  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 21462  
Affiliation Type: On-Site Operator  
Company Name: HART REALTY  
Contact Type: Not reported  
Contact Name: AMERICAN HUNGER~FIXTURE CORP.  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 279-5280  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 21462  
Affiliation Type: Emergency Contact  
Company Name: HART REALTY  
Contact Type: Not reported  
Contact Name: PHILLIP STEINHARDT  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (516) 365-4786  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HART REALTY (Continued)**

**U001840994**

Tank Info:  
 Site ID: 21462

Tank Number: 001  
 Tank ID: 41119  
 Tank Status: Closed Prior to Micro Conversion, 03/91  
 Tank Type: Steel/carbon steel  
 Pipe Model: Not reported

Equipment Records:

H00 - Tank Leak Detection - None  
 B00 - Tank External Protection - None  
 J02 - Dispenser - Suction  
 D02 - Pipe Type - Galvanized Steel  
 A00 - Tank Internal Protection - None  
 I04 - Overfill - Product Level Gauge (A/G)  
 F00 - Pipe External Protection - None  
 C00 - Pipe Location - No Piping  
 G03 - Tank Secondary Containment - Vault (w/o access)

Install Date: Not reported  
 Capacity Gallons: 5000  
 Tightness Test Method: NN  
 Next Test Date: Not reported  
 Date Tank Closed: Not reported  
 Tank Location: 5  
 Tank Type: Steel/carbon steel  
 Date Test: Not reported  
 Registered: True  
 Modified By: TRANSLAT  
 Last Modified: 03/04/2004

**B12**  
**East**  
**< 1/8**  
**0.020 mi.**  
**106 ft.**

**PARKING LOT OF**  
**515 WEST 28TH ST**  
**MANHATTAN, NY**

**NY LTANKS** **S103558674**  
**N/A**

**Site 1 of 2 in cluster B**

**Relative:**  
**Higher**

LTANKS:  
 Site ID: 86623  
 Spill Number/Closed Date: 9811167 / 12/7/1998  
 Spill Date: 12/5/1998  
 Spill Cause: Tank Overfill  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
 Willing Responsible Party. Corrective action taken.

Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: MCTIBBE  
 Referred To: Not reported  
 Reported to Dept: 12/5/1998  
 CID: 384  
 Water Affected: Not reported  
 Spill Notifier: Responsible Party  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0

**Actual:**  
**14 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PARKING LOT OF (Continued)**

**S103558674**

Date Entered In Computer: 12/5/1998  
Spill Record Last Update: 5/14/2002  
Spiller Name: ANTHONY MILANESE  
Spiller Company: EAST COAST PETRO INC  
Spiller Address: 340 JACKSON AVE  
Spiller City,St,Zip: BRONX, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 79443  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"CLEANED BY RP.  
Remarks: OVERFILL DUE TO ORDERING BY CUSTOMER. PETRO WILL BE DOING CLEAN UP.

Material:  
Site ID: 86623  
Operable Unit ID: 1068562  
Operable Unit: 01  
Material ID: 315017  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: 10  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**A13  
SSE  
< 1/8  
0.022 mi.  
114 ft.**

**CONSTRUCTION SITE  
520 WEST 27TH STREET  
MANHATTEN, NY  
Site 12 of 14 in cluster A**

**NY Spills S109060541  
N/A**

**Relative:  
Higher**

SPILLS:  
Facility ID: 0713118  
DER Facility ID: 344365  
Facility Type: ER  
Site ID: 394822  
DEC Region: 2  
Spill Date: 3/12/2008  
Spill Number/Closed Date: 0713118 / 3/13/2008  
Spill Cause: Equipment Failure  
Spill Class: Not reported  
SWIS: 3101  
Investigator: hrpatel  
Referred To: Not reported  
Reported to Dept: 3/12/2008  
CID: 444  
Water Affected: Not reported  
Spill Source: Commercial Vehicle

**Actual:  
14 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE (Continued)**

**S109060541**

Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/12/2008  
Spill Record Last Update: 3/13/2008  
Spiller Name: SHAWN DONOHUE  
Spiller Company: CONSTRUCTION SITE  
Spiller Address: 520 WEST 27TH STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 001  
Contact Name: SHAWN DONOHUE  
Contact Phone: (718) 595-5000  
DEC Memo: 03/13/08-Hiralkumar Patel. visited site on 03/12/08. met Joe Sarro (347-203-3556), site supervisor. they are doing construction out on street and installing piles. no spill noticed. he mentioned that there was hydrant broke and water spill on street. no oil spill. case closed.  
Remarks: CRANE LEAKED FLUIDS AND STREET IS COVERED AND CLOSED

Material:  
Site ID: 394822  
Operable Unit ID: 1151769  
Operable Unit: 01  
Material ID: 2142517  
Material Code: 0010  
Material Name: Hydraulic Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

C14  
NNW  
< 1/8  
0.022 mi.  
115 ft.

556 W 28TH ST  
NEW YORK, NY 10001  
Site 1 of 3 in cluster C

EDR US Hist Auto Stat 1015552512  
N/A

Relative:  
Lower  
Actual:  
12 ft.

EDR Historical Auto Stations:  
Name: COMPLETE AUTOMOTIVE CTR INC  
Year: 2010  
Address: 556 W 28TH ST

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**A15**  
**SSE**  
**< 1/8**  
**0.024 mi.**  
**127 ft.**

**519 WEST 27TH STREET**  
**519 WEST 27TH STREET**  
**MANHATTAN, NY**  
**Site 13 of 14 in cluster A**

**NY Spills**    **S104503407**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 9704105  
DER Facility ID: 206930  
Facility Type: ER  
Site ID: 252612  
DEC Region: 2  
Spill Date: 7/7/1997  
Spill Number/Closed Date: 9704105 / 7/7/1997  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**14 ft.**

**SWIS:**

Investigator: TOMASELLO  
Referred To: Not reported  
Reported to Dept: 7/7/1997  
CID: 266  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Citizen  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/7/1997  
Spill Record Last Update: 1/23/1998  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: 519 WEST 27TH STREET  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported

Remarks: ANTIFREEZE LEAKING FROM A CAB GARAGE. RUNNING ALL DOWN THE STREET AND INTO THE SEWERS. CALLER ADVISED TO DIAL 911 TO NOTIFY THE FIRE DEPARTMENT.

**Material:**

Site ID: 252612  
Operable Unit ID: 1049968  
Operable Unit: 01  
Material ID: 333363  
Material Code: 0043A  
Material Name: ANTIFREEZE  
Case No.: Not reported  
Material FA: Other  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

519 WEST 27TH STREET (Continued)

S104503407

Tank Test:

B16  
East  
< 1/8  
0.026 mi.  
136 ft.

IN FIELD  
509 WEST 28TH STREET  
NEW YORK, NY

NY Spills S112226309  
N/A

Site 2 of 2 in cluster B

Relative:  
Higher

SPILLS:

Facility ID: 1205473  
DER Facility ID: 422715  
Facility Type: ER  
Site ID: 468427  
DEC Region: 2  
Spill Date: 8/30/2012  
Spill Number/Closed Date: 1205473 / Not Closed  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
15 ft.

SWIS:

3101  
Investigator: JBVOUGHT  
Referred To: Not reported  
Reported to Dept: 8/30/2012  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 1  
Date Entered In Computer: 8/30/2012  
Spill Record Last Update: 9/6/2012  
Spiller Name: JASON HAYS  
Spiller Company: UNKNOWN  
Spiller Address: 509 WEST 28TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 999  
Contact Name: JASON HAYS  
Contact Phone: (212) 479-5427  
DEC Memo: Sangesland left a voice message asking for more information (what does "In Field" mean?)

Remarks: Observed in field

Material:

Site ID: 468427  
Operable Unit ID: 1218350  
Operable Unit: 01  
Material ID: 2216726  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IN FIELD (Continued)**

**S112226309**

Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**A17**  
**SSE**  
**< 1/8**  
**0.029 mi.**  
**155 ft.**

**515**  
**515 W. 27TH ST**  
**MANHATTEN, NY**  
**Site 14 of 14 in cluster A**

**NY Spills S104502597**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**14 ft.**

**SPILLS:**  
Facility ID: 9611540  
DER Facility ID: 204869  
Facility Type: ER  
Site ID: 249922  
DEC Region: 2  
Spill Date: 12/19/1996  
Spill Number/Closed Date: 9611540 / 12/30/1996  
Spill Cause: Deliberate  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
  
**SWIS:**  
Investigator: ADZHITOM  
Referred To: Not reported  
Reported to Dept: 12/19/1996  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Fire Department  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/19/1996  
Spill Record Last Update: 2/11/1997  
Spiller Name: Not reported  
Spiller Company: UNK  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*UPDATE\*\*\*, ZZ  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ZHITOMIRSKY"NYCDEP RESPONDED.  
  
Remarks: A CONTAINER OF USED OIL LEFT IN DUMPSTER CALLER WAS FROM NYC FD DISPT 380 (212) 570-4300 SOME OIL TO SEWERAPX 200 GAL CONTAINER 30-40 GALLONS SPILLED TO STREET NYC FDAND HAZ MAT RESPONDED 2/3 STILL IN CONTAINER  
  
Material:  
Site ID: 249922  
Operable Unit ID: 1039541  
Operable Unit: 01

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**515 (Continued)**

**S104502597**

Material ID: 340182  
Material Code: 0022  
Material Name: Waste Oil/Used Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 40  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**D18  
SE  
< 1/8  
0.049 mi.  
260 ft.**

**CENTRAL IRON  
505 WEST 27TH STREET  
NEW YORK, NY**

**NY LTANKS S106703590  
N/A**

**Site 1 of 8 in cluster D**

**Relative:  
Higher**

**LTANKS:**

**Actual:  
15 ft.**

Site ID: 172881  
Spill Number/Closed Date: 9109614 / 12/15/2003  
Spill Date: 12/10/1991  
Spill Cause: Tank Overfill  
Spill Source: Non Major Facility > 1,100 gal  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 12/10/1991  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: DEC  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 12/13/1991  
Spill Record Last Update: 12/15/2003  
Spiller Name: Not reported  
Spiller Company: CENTRAL IRON  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 145487  
DEC Memo: Not reported  
Remarks: 2-550 GAL TANKS/500 HEATING OIL.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CENTRAL IRON (Continued)**

**S106703590**

Material:  
 Site ID: 172881  
 Operable Unit ID: 959724  
 Operable Unit: 01  
 Material ID: 570445  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 10  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**D19**  
**SE**  
 < 1/8  
 0.049 mi.  
 260 ft.

**WEST 28TH STREET**  
**505 W. 27TH STREET**  
**NEW YORK, NY 11368**

**NY BROWNFIELDS**

**S112818548**  
**N/A**

**Site 2 of 8 in cluster D**

**Relative:**  
**Higher**

**BROWNFIELDS:**  
 Program: BCP  
 Site Code: 477443

**Actual:**  
**15 ft.**

**Site Description:** Location: The BCP site is located at 505 W. 27th Street in New York City, New York County and is approximately .51 acres in size. It is bounded to the north by West 28th Street; to the east by 10th Avenue; to the south by West 27th Street and to the west by 11th Avenue. Site Features: The site is currently vacant of operating businesses. It includes a large trailer body, sheds, and storage areas. The majority of the site surface is covered by a non-uniform, uneven concrete surface with the remainder having patches of asphalt paving and open soil cover (no vegetation). Current Zoning/Use(s): The site is located in a commercial and residential area of the West Chelsea section of the Borough of Manhattan. Historical Use(s): The site has historically had several residential structures, laundry cleaning, metal works, manufacturing, motor freight storage, automobile repair and a scrap yard. Site Geology and Hydrogeology: The sites subsurface conditions include filling with historic fill from prior developments and may have been used to stabilize soil or to elevate the existing ground. The shallow subsurface at the Site consists of sands and silts, glacial till and/or fill materials. The fill includes concrete, brick, cinders, and other construction debris mixed, silt, sand and gravel and is generally present from 1-10 feet below ground. Soils are mainly sands, silts and glacial till intermixed with lean clay. The surface geology of Manhattan generally includes very thin layers of unconsolidated glacial deposits underlain by an igneous feature. Accordingly, potable groundwater does not generally exist in Manhattan. Regional groundwater flow direction is expected to be toward the west.

**Env Problem:** Information submitted with the BCP application regarding the environmental condition at the site are currently under review and will be revised as additional information becomes available.

**Health Problem:** Information submitted with the BCP application regarding the

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 28TH STREET (Continued)**

**S112818548**

conditions at the site are currently under review and will be revised as additional information becomes available.

**E20**  
**SW**  
**< 1/8**  
**0.054 mi.**  
**283 ft.**

**537 W 26TH ST**  
**537 W 26TH ST**  
**NYC, NY**  
**Site 1 of 5 in cluster E**

**NY Spills** **S102142780**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

**Actual:**  
**11 ft.**

Facility ID: 9200736  
DER Facility ID: 200866  
Facility Type: ER  
Site ID: 244535  
DEC Region: 2  
Spill Date: 3/19/1992  
Spill Number/Closed Date: 9200736 / 2/5/2010  
Spill Cause: Abandoned Drums  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: RWAUSTIN  
Referred To: Not reported  
Reported to Dept: 4/20/1992  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/24/1992  
Spill Record Last Update: 2/5/2010  
Spiller Name: Not reported  
Spiller Company: CASELLA CONST  
Spiller Address: 10 MINEOLA AVE  
Spiller City,St,Zip: ROSLYN HEIGHTS, NY 11577  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MILLER" No PBSAustin - 2/5/10 - Report of drums/poorhousekeeping from 18 years ago - closed - End

Remarks: TWO 550'S & ONE 4K

**Material:**

Site ID: 244535  
Operable Unit ID: 964558  
Operable Unit: 01  
Material ID: 557186  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**537 W 26TH ST (Continued)**

**S102142780**

Units: Pounds  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**E21**  
**South**  
**< 1/8**  
**0.055 mi.**  
**289 ft.**

**GASOLINE CONTAMINATION**

**513 WEST 26TH ST**  
**NEW YORK, NY**

**NY Spills S106721244**  
**N/A**

**Site 2 of 5 in cluster E**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0407873  
 DER Facility ID: 267640  
 Facility Type: ER  
 Site ID: 332450  
 DEC Region: 2  
 Spill Date: 10/12/2004  
 Spill Number/Closed Date: 0407873 / 12/6/2004  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**13 ft.**

**SWIS:**

Investigator: WXSUN  
 Referred To: Not reported  
 Reported to Dept: 10/15/2004  
 CID: 407  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Local Agency  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 10/18/2004  
 Spill Record Last Update: 12/6/2004  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller Company: 001  
 Contact Name: WALTER SCHIK  
 Contact Phone: (212) 971-9800  
 DEC Memo:

Only soil samples collected. Site appears to be contaminated with gasoline (BTEX & MTBE) from a neighboring gas station. Groundwater is approx 4ft deep. This building does NOT have any petroleum tanks. Owner is trying to convert the space into an art gallery. Gallery owner will not come into the space until the problem is solved Soil borings were done through the floor of a building. Some BTEX and MTBE was found in the borings. Consultant plans on doing additional soil borings & groundwater testing (4 ft to GW)Environmental Enigneer has been hired to work on the project:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GASOLINE CONTAMINATION (Continued)**

**S106721244**

Nicholas Canonico - Nova Consulting 516-352-3233 266 Jericho Tpk. Floral Park NY 11001 cell 516-244-4069 Nearest gasoline source appears to be a former gas station on the corner located on a lot with the following addresses: 285, 287, 289, 291 & 293 Tenth Ave. There are NO PBS permits for any of these addresses. There is an open spill at 291 10th Ave - #8701549 - DEC contact Joe Sun. - Sangesland 10/22/04 Rommel, received call from Nick, location formerly used for cab storage and maintenance. Aboveground Waste oil tank formerly on site. Additional investigation to include soil and groundwater sampling. Rommel. 12/06/04 File Update by Sun: Based on the Subsurface Investigation Report for the subject site, prepared by Nova Consulting & Engineering, LLC, dated November 2004, the spill is closed.

Remarks: Discovered BTX and hydrocarbon contamination in soil borings taken inside the building.

Material:

Site ID: 332450  
 Operable Unit ID: 1094683  
 Operable Unit: 01  
 Material ID: 574805  
 Material Code: 0064A  
 Material Name: UNKNOWN MATERIAL  
 Case No.: Not reported  
 Material FA: Other  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**F22**  
**NNE**  
**< 1/8**  
**0.055 mi.**  
**289 ft.**

**MIDTOWN SERVICE CENTER**  
**548 W. 29TH STREET**  
**NEW YORK, NY 10606**  
**Site 1 of 4 in cluster F**

**NY Spills S112146333**  
**N/A**

**Relative:**  
**Higher**

SPILLS:  
 Facility ID: 1201778  
 DER Facility ID: 418906  
 Facility Type: ER  
 Site ID: 464507  
 DEC Region: 2  
 Spill Date: 5/18/2012  
 Spill Number/Closed Date: 1201778 / 6/27/2012  
 Spill Cause: Other  
 Spill Class: Not reported  
 SWIS: 3101  
 Investigator: AAOBLIGA  
 Referred To: Not reported  
 Reported to Dept: Not reported  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: DEC

**Actual:**  
**14 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MIDTOWN SERVICE CENTER (Continued)**

**S112146333**

Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/23/2012  
Spill Record Last Update: 7/10/2012  
Spiller Name: Not reported  
Spiller Company: midtown service center  
Spiller Address: 548 W. 29th Street  
Spiller City,St,Zip: manhattan, NY 10606  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: (718) -482-6412  
DEC Memo: 5/18/12 : Obligado - See also Open Spill Number 0700587. DER Staff inspected this site after reviewing a Hydrogeologic and Forensic Report submitted by Fleming Lee Shue for Spill No. 0700587 282 11th Avenue. The report identifies a gasoline UST vent at 548 West 29th Street repair garage. The report concludes contamination in the soil and ground water on the north border of 282 11th Avenue is coming from off-site sources. Upon arriving at the site, I asked the mechanic there if they had any oil tanks. He showed me an oil tank in the back of the station. The 275 gallon waste oil tank had no lable and had secondary containment had about an inch of oil stained sand. There was evidence of multiple spills on the concrete as well as a fresh spill from a transmission removal. I spoke to the mechanic, who says the waste oil company comes once a month to empty the waste oil tank. During that process they lift up the tank and clean the oil soaked sand from the secondary containment. I pointed out the poor housekeeping issues to the manager, Zoar (718-869-4550, who showed up shortly after. They applied speedy dry sand to the spill areas. I also noticed an abandoned tank manhole. This tank coincides with the location of a 550 gallon gasoline UST from historical sanborn maps and the vent location on the roof. The manager did not know anything about the tank. Due to apparent PBS issues with waste oil tank and abandoned tank, I contacted Moses Ajuko to perform a PBS inspection of the facility. Moses issued PBS violations. Due to poor housekeeping, stained concrete indicating historical spills,and abandoned gasoline tank it is a possible source. Additional investigation will be necessary. The facility owner is:548 HIGH LINE LLCONE PENN PLAZA, SUITE 3406NEW YORK, NY 10019Contact: MR. RABA H. ABRAMOV5/25/12 - Obligado - Sent letter to owner requiring closure or removal of abandoned gasoline UST and a site assessment within 30 days of receipt of letter. Cetrified mail receipt #7005 0390 0005 8448 24326/1/12 - Obligado - From USPS website:Track & ConfirmYou entered: 700503900005844824326/25/12 - Obligado - Item returned undelivered.6/27/12 - Obligado - The owner of this site came to the DEC for a PBS settlement conference. Mr. Abramov provided photodocumentation of the manhole which was identified as a potential aboandoned gasoline UST. He had opened it up and it was not a UST, but rather a manhole for a former piston lift. Since there is no gasoline UST this site is no longer considered a source for gasoline contamination in soil and groundwater behind the repair shop at 282 11th Ave, Spill Number 0700587. After discussion with DEC Hussein and Ketani, this spill is closed.

Remarks: Petroleum contamination in soil and groundwater behind property.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MIDTOWN SERVICE CENTER (Continued)**

**S112146333**

During DEC inspection, DEC Staff found an abandoned gasoline UST, poor housekeeping, and petroleum spills on the concrete in repair shop.

Material:

Site ID: 464507  
 Operable Unit ID: 1214557  
 Operable Unit: 01  
 Material ID: 2212611  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 1  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**F23  
 NE  
 < 1/8  
 0.056 mi.  
 298 ft.**

**HIGH RIDGE ENTERPRISES  
 524 WEST 29TH STREET  
 MANHATTAN, NY  
 Site 2 of 4 in cluster F**

**NY LTANKS S104275619  
 NY Spills N/A**

**Relative:  
 Higher**

LTANKS:

Site ID: 235183  
 Spill Number/Closed Date: 9008960 / 3/4/2003  
 Spill Date: 11/14/1990  
 Spill Cause: Tank Test Failure  
 Spill Source: Commercial/Industrial  
 Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: ADMIN. CLOSED  
 Referred To: Not reported  
 Reported to Dept: 11/15/1990  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Tank Tester  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: True  
 Remediation Phase: 0  
 Date Entered In Computer: 11/19/1990  
 Spill Record Last Update: 7/21/2005  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller County: 001  
 Spiller Contact: Not reported  
 Spiller Phone: Not reported

**Actual:  
 15 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HIGH RIDGE ENTERPRISES (Continued)**

**S104275619**

Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 148161  
DEC Memo: Not reported  
Remarks: 4K TANK FAILED HORNER EZY CHECK WITH A LEAK RATE RATE OF -.16GPH,WILL EXCAVATE & ISOLATE, POSSIBLE LINE FAILURE.CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

Material:

Site ID: 235183  
Operable Unit ID: 946159  
Operable Unit: 01  
Material ID: 554502  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 235183  
Spill Tank Test: 1537886  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

SPILLS:

Facility ID: 0307633  
DER Facility ID: 148161  
Facility Type: ER  
Site ID: 176283  
DEC Region: 2  
Spill Date: 10/20/2003  
Spill Number/Closed Date: 0307633 / 3/12/2012  
Spill Cause: Unknown  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: aaobliga  
Referred To: NFA  
Reported to Dept: 10/20/2003  
CID: 365  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: 2/10/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HIGH RIDGE ENTERPRISES (Continued)**

**S104275619**

Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/20/2003  
Spill Record Last Update: 3/12/2012  
Spiller Name: WALTER SEELIG  
Spiller Company: HIGH RIDGE ENTERPRISES  
Spiller Address: P.O. BOX 2542  
Spiller City,St,Zip: YORK, PA 17405-001  
Spiller Company: 001  
Contact Name: WALTER SEELIG  
Contact Phone: (717) 235-8785  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT "10/20/03. Contaminated soil letter sent to Walter Seelig (High Ridge Enterpr.). Also see spill # 9008960. YK.11/21/03 RommelMet Brian McCabe, senior geologist, on site. Soil samples collected from 8 to 16 feet below grade were contaminated. Groundwater (15 to 18 feet) was also sampled during the investigation and were impacted by BTEX and MTBE.They will excavate what soil they can and install a minimum of three monitoring wells (one outside by remote fills).Spill 9008960 reported TTF of 4000 gallon gas UST 11/14/1990STIPULATION SIGNED RD 2/18/04. 3/18/04-Vought-Spoke with Rob Ferguson (631-586-4900). Subsurface Investigation report sent to DEC on 2/3/2004. Ferguson will send small CAP upon receiving subsurface investigation report review. Ferguson requires review of subsurface investigation as per STIP. Vought requested that another copy of the Subsurface investigation be sent to DEC. 4/1/04-Vought-Spoke with Tom Melia (F&N) and he requested that he be point of contact. Spill transferred from Rommel to Vought.4/6/04-Vought-File review by Vought:Contaminated soil letter sent form DEC Krimgold to High Ridge Enterprises.Site meeting minutes (Fenley & Nicol Brian McCabe)-11/25/03. Site meetin on 11/24/03. In attendance were DEC Rommel, F&N McCabe, F&N Melia and F&N Hole. "The results of the sampling indicated that the contamination is located in the northern portion of the building. The effected area extended from the north end od the 4000 gallon tank excavation to the front of the building, approximately thirty five feet and from the center for the 550-gallon tank excavation west to the side of the building, approximately twenty feet." DEC recommended additional soil excavation without comprimising structural intergrity and required 1)installation of one well inside the building after backfilling completed 2)installation of two wells on sidewalk at the location of the former remote fills and twenty feet west of the bay door. Letter from Fenley & Nicol(Thomas Melia) to DEC(Rommel)-12/18/03. "The new owner of the building indicated that his intended use for the building is as an art gallery". During building remodeling excavation was performed and tanks were discovered under floor. Two gasoline USTs (one 4000-gallon and one 550-gallon) were removed and were in separate lcoations fifteen to twenty feet apart. "Upon removal of the bottom slab the soil encountered was saturated with liquid phase hydrocarbon". Depth to water expected to be 18' below grade. F&N proposes delineation of soil and groundwater contamination, installation of wells and additional soil excavation.See also Spill #9008960 reported in 1990 for tank test failure and administratively closed on 3/4/03.Letter from DEC Rommel-12/4/03. Letter approving

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HIGH RIDGE ENTERPRISES (Continued)**

**S104275619**

installation of wells on the sidewalk on the south side of West 29th Street between 10th and 11th Avenues and requesting expediting of sidewalk permits. Letter from F&N(Melia) to DEC Rommel-12/18/03. "At this time we are continuing our efforts to delineate the extent of the contamination...". Three monitoring wells installed (one inside and two outside building). "At this time the owner of their property feels that it would be too far costly to excavate the contaminated soil without jeopardizing the structural integrity of the building, and would prefer that we install an air sparge/soil vapor extraction (As/SVE) system to remediate the hydrocarbon impact". Please indicate your approval below. No approval indicated by DEC Rommel. Stipulation Agreement-1/15/04. Stip with deadline of 2/13/04 sent to: Walter Seeling High Ridge Enterprises, Inc. P.O. Box 2542 York, Pa. 17405. Subsurface Investigation Report (F&N-Melia 631-586-4900x190) -3/19/04. Investigation consisted of six soil borings, six temporary groundwater monitoring points and three monitoring wells. "The central and eastern units are currently vacant and undergoing renovations for use as an art gallery". Depth to groundwater is 8-9' and flows northwest. Soil analyticals show 35ppb benzene(SP-1 at 12'), 882ppb benzene(SP-2 at 12'), 14ppb (SP-3 at 12'), 4900ppb benzene(SP-4 at 12'), 817ppb benzene(SP-5 at 12'). Groundwater analyticals show 2.5 ppb benzene(TW-1), 1459ppb benzene(TW-2), 45ppb benzene(YW-3), 2109ppb benzene(TW-4), 254ppb benzene(TW-5), 11ppb benzene(TW-6), 1200ppb benzene(FN-1), 206ppb benzene(FN-2), 4.2ppb benzene(FN-3). Report recommends Air Sparge/Soil Vapor extraction system. NYSDEC requires: 1) signing of Stipulation before any further correspondence 2) presence or absence of free product and interim remedial recovery if present 3) surrounding area site plan including property usage 4) additional wells east of FN-2 and well north of FN-2 to calculate required radius of influence for system design. 4/6/04-Vought called F&N(Melia) to repeat Stipulation requirement and left message to return call to DEC. 4/7/04-Vought-Received faxed copy of STIP already implemented by DEC Kunkel on 2/18/04 (Copy of original not in file). 4/8/04-Vought-Sent letter to High Ridge requiring well installation north of FN2 and east of FN2, submission of monitoring well data and surrounding property sketch. 4/16/04-Vought-Wells will be installed next week (tentatively). Wells for pilot test will also be installed. Mailing address is: High Ridge Enterprises P.O. Box 2542 York, Pa. 17405. 4/18/04-Vought-Received message from David Oloke (F&N-631-586-4900x144) that he is new project manager for site. Vought called David and two additional wells installed (one north of FN2 and one east of FN2). All onsite wells were sampled. No free product in new wells. Four vapor wells installed and air sparge well will be installed. DEC will receive pilot test report by 7/15/04. 6/23/04-Vought-Spoke with David and initial results faxed on 6/9/04. .5" of free product in well in 1" vapor well sent for fingerprinting. EFR not effective. DEC requires recovery of free product and submission of pilot test. 9/2/04-Vought-File review by Vought: Groundwater results (F&N)-6/23/04. Groundwater analyticals show 1.2ppb benzene(FN5), 1.8ppb benzene(FN4), 14ppb benzene(FN3), 26ppb xylene(FN3), 474ppb benzene(FN2), 621ppb MTBE(FN2), 8ppb toluene(FN2), 2065ppb benzene(FN1), 47170ppb MTBE(FN1), 4106ppb toluene(FN1) and 2761ppb xylene(FN1). Addendum to the direction beneath the site was found to be toward the north." Property Subsurface Investigation Report (F&N)-7/14/04. On 5/7/04 two additional monitoring wells were installed. "On June 4, 2004 the

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HIGH RIDGE ENTERPRISES (Continued)**

**S104275619**

AS/SVE pilot tests were conducted". One inch of floating product was detected in P2. "The results of the AS pilot test indicated that the introduction of air pressure into the formation below the contaminant zone is a viable remediation technique". Report recommends commencement of an interim remedial measure to recover product from P-2 via weekly EFR. Report also recommends installation of another well to replace P2. Vought called David from F&N to approve of workplan. Well installation will be included with final remedial action plan. Vought sent letter approving of proposed workplan (installation of well at P2 and IRM) and included requirement of determination of groundwater flow direction and surrounding property sketch.9/3/04-Vought-Received fax from Oloke (F&N). "The groundwater flow sage of downgradient sites to the north are a parking garage and an art studio. Vought called Oloke and approved workplan as per 9/2/04 letter. Vought called Oloke and he will begin drafting RAP for submission to DEC.9/29/04-Vought-Spoke to David F&N and he will be sending RAP in overnight.10/1/04-Vought-Reviewed RAP received by DEC on 10/30/04. "Site is currently occupied by a masonry block structure which is subdivided into three sections. An art gallery occupies the western unit. The central and eastern units are currently vacant and are undergoing renovations for use as an art gallery. RAP proposes weekly recovery of free product from FN2 via a peristaltic pump until well is converted to a 2" product recovery well designated at FN6. Two additional wells will be installed in the interior of the building. Monthly groundwater monitoring and quarterly sampling. Five air sparge and four SVE wells will be installed in the interior of the building. Remedial system will be installed on the roof of the building. Daily monitoring for the first week, weekly monitoring for the first month, monthly maintenance visits and effluent sampling, quarterly effluent sampling and groundwater sampling. Vought sent letter approving of RAP.10/28/04-Vought-Spoke to David(F&N) and FN1 must be reinstalled due to it was a bent well. Wells will be installed during the next few days.9/27/05 - SPILL TRANSFERRED FROM VOUGHT TO OBLIGADO11/9/05 - Obligado - Review System SStartup Report. AS/SVE system consists of 5 HP compressor and 3.5 hp blower and 5 air sparge wells and four soil vapor extraction wells. Effluent air stack results show 31.4 ug/m3 for benzene. Operation and maintenance schedule proposes monthly SVE effluent monitoring and Quarterly Status Reports. System started in May 2005. Due to noise generation, the system only runs from 9pm to 6am. Quarterly Status Report - Groundwater analyticals show 4.7 ppb benzene (FN3), 50.1 ppb MTBE (FN2), 78.3 ppb MTBE SVE5, 1.7 ppb MTBE SVE3. Benzene effluent show 46.74 ug/m3. 5/15/06 - Obligado - Called David Oloke. Asked that he send recent Quarterly Status Reports.5/22/06 - Obligado - 2Q06 Quarterly Status Report, submitted by Fenley Nicol, Inc. Ground water analyticals show 9 ppb benzene 35 ppb MTBE in FN3 and and 3.7 ppb benzene in FN4. Benzene effluent below STIP limits. There is duplicated data on Table 2 Air Sampling Results, probably a cut and paste error, call Dave Oloke, he said he will look into it at send a new table with the electronic copy. Report recommends continuing system operation.6/23/06 - Obligado - Called David Oloke. Asked for the corrected Table. He said he will email it to me.10/23/06 - Obligado - Called David Oloke. Left message requesting most recent quarterly status report. David Oloke call me back and said he would send the report shortly and he would correct the typo on Table 2.1/30/07 - Obligado - Review 3Q06 monitoring report. Typo in 2Q06 table has been fixed in cumulative table. AS/SVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HIGH RIDGE ENTERPRISES (Continued)**

**S104275619**

system online and working at 100% maximum capacity. Air samples collected monthly. Benzene in gw exceeds standard at 4 ppb. in 2 wells. All effluent below STIP guidance. Benzene detected in VES/AS effluent at 4.86 ug/m3 in 6/06. Recommends continued operation of the system. Review 4Q06 monitoring report - AS/SVE system operating at 100% capacity 9 hours per day. All effluent samples below STIP guidance. BTEX effluent at 361.71 ug/m3 during 10/27/06 Report recommends continued operation of system. GW results show minor exceedences of Benzene - max concentration at 8 ppb in FN3. However gw monitoring does not include FN1 where highest contamination was found. 9/13/07 - Obligado - Review 1Q07 monitoring report. According to the report, the AS/SVE system is running at 100% capacity. System is still pulling vapors, at a flow rate of 50 cfm and a concentration in March 07 of 111.30 ug/m3 BTEX. Benzene (12.8 ug/m3) was below the STIP limit. Recommends continued operation of AS/SVE system. 10/26/07 - Obligado - Review 2Q07/3Q07 monitoring report. Benzene detected during quarterly monitoring at MW3 and MW4 slightly above standards. Analytical results of air stream were below the max benzene STIP Limit. Recommends continued operation of the AS/SVE System. 9/3/08 - Obligado - Review 1Q08 monitoring report. AS/SVE running for 9 hours a day at 100% capacity. Effluent collected monthly. Benzene detected slightly above standards in MW2,3,4, and 5. System effluent ND for BTEX. 6/3/09 - Obligado - Review 1Q09 monitoring report. Requests to shut down system for a 1 year post remedial monitoring period to determine if system was effective and monitor for rebound. Sent a letter to Seeling cc to David Oloke approving system shut down temporarily but requiring sampling of monitoring wells MW1, MW6, and MW7 beneath the building as required by approved RAWP. Required 90 days to submit an update report on system shutdown and additional sampling. 12/3/09 - Obligado - Met with David Oloke on site. The AS/SVE system was down as proposed. According to David they were unable to collect ground water samples from the three sampling points. According to David the water he collected was too silty. He recommended doing an exposure assessment to close the spill number or to install the well in an alternate location in the building entrance. I told him I would review the spill file to determine if that location was acceptable. 12/22/09 - Sent email to Mr. Oloke - The Department has determined that the proposed location is cross-gradient and outside the of the source area, and would not provide the necessary data to confirm the site remediation was successful. As such, the Department reiterates its requirement in the June 2, 2009 letter, to sample the 3 monitoring wells FN1, FN6, and FN7 (as originally proposed in the approved RAWP) and submit a Monitoring Report within 90 days of this notice. If sufficient ground water can not be obtained from these sampling points (after exhausting all available well sampling and well development techniques), then a Remedial Investigation Work Plan (RIWP) to install a new monitoring well in the gallery in between FN1, FN6, and FN7 must be submitted within 90 days of this notice. The RIWP should contain an implementation schedule. 10/9/10 - Obligado - Email from David Oloke "I would like to inform you that we're scheduled to be onsite to install one groundwater monitoring well on the sidewalk directionally towards the source area beneath the building in order to determine the current groundwater quality beneath the site. We scheduled for Monday 25 through Wednesday 27." 1/14/11 - Obligado - Email from David Oloke "We are set to go back to High Ridge, 524 West 29th Street in Manhattan on Monday 1/17/11 to install the groundwater

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HIGH RIDGE ENTERPRISES (Continued)**

**S104275619**

monitoring well for spill inactivation. The client is making plans to be onsite as well". 1/19/11 - Obligado Email from David Oloke "We core drilled through the foundation wall and could not get the well rods to the desired depth due to refusal. So we back to square one. Our client spoke with the tenant again yesterday to see if he will allow us access into the building." 4/1/11 - Obligado - I sent email to David Oloke related to potential alternative methods for obtaining ground water samples at the site since the diagonal well method was not successful, such as snaking new tubing into the existing system wells, and high vacuum extraction to obtain ground water samples from the sparge wells. I asked Mr. Oloke to look into these options, as well as any other methods and report back the findings to the DEC. 3/12/12 - Obligado - I reviewed a Site Status Report. They collected samples from MW1, MW6, and MW7 under the gallery slab using the vacuum extraction technique. Samples were collected in June and November of 2011. During the most recent sampling event in November, the maximum VOCs was 117.3 ug/L in MW-7. MW1 had 63.42 ug/L total VOCs, and MW6 had 59.75 ug/L VOCs. Several compounds were slightly above standards. The greatest exceedence was 36 ug/L naphthalene in MW7, which is above the standard of 10 ug/L. In November they turned on the AS/SVE system and allowed it to run for four weeks. At the end of the four weeks, air samples were collected and all the targeted VOCs were ND. Based on the above, they requested closure. Ground water contamination has been greatly reduced. The AS/SVE system reached asymptotic recovery rates. Additional remediation is not warranted nor feasible. After discussion with DEC Hussein and Ketani, this spill is closed. A spill closure letter has been sent to Walter Seeling, cc to David Oloke.

Remarks:

caller was hired to remove a few tanks from the site - x-ref spill # 9008960 - they encountered contaminated soil - they are stockpiling soil now

Material:

Site ID: 176283  
Operable Unit ID: 874031  
Operable Unit: 01  
Material ID: 501158  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)  
EDR ID Number  
EPA ID Number

F24  
NE  
< 1/8  
0.056 mi.  
298 ft.

SEAN KELLY GALLERY/BLUMARTS, INC.  
524-532 WEST 29TH STREET  
NEW YORK, NY 10001

NY UST  
NY Spills  
U000394692  
N/A

Site 3 of 4 in cluster F

Relative:  
Higher

UST:  
Id/Status: 2-089559 / Unregulated  
Region: STATE  
DEC Region: 2  
Program Type: PBS  
Expiration Date: N/A  
UTM X: 584267.08186000003  
UTM Y: 4511679.7207199996

Actual:  
15 ft.

Affiliation Records:  
Site Id: 2125  
Affiliation Type: Owner  
Company Name: HIGH RIDGE ENTERPRISES, INC.  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: P.O. BOX 2542  
Address2: Not reported  
City: YORK  
State: PA  
Zip Code: 17405  
Country Code: 001  
Phone: (717) 235-8785  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 2125  
Affiliation Type: Mail Contact  
Company Name: HIGH RIDGE ENTERPRISES, INC.  
Contact Type: Not reported  
Contact Name: WALTER J. SEELIG  
Address1: P.O. BOX 2542  
Address2: Not reported  
City: YORK  
State: PA  
Zip Code: 17405  
Country Code: 001  
Phone: (717) 235-8785  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 2125  
Affiliation Type: On-Site Operator  
Company Name: SEAN KELLY GALLERY/BLUMARTS, INC.  
Contact Type: Not reported  
Contact Name: SEAN KELLY  
Address1: Not reported  
Address2: Not reported  
City: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SEAN KELLY GALLERY/BLUMARTS, INC. (Continued)**

**U000394692**

State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 239-1181  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 2125  
Affiliation Type: Emergency Contact  
Company Name: HIGH RIDGE ENTERPRISES, INC.  
Contact Type: Not reported  
Contact Name: SEAN KELLY  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 239-1181  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

**Tank Info:**

Site ID: 2125  
  
Tank Number: 001  
Tank ID: 3396  
Tank Status: Closed - In Place  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

**Equipment Records:**

C02 - Pipe Location - Underground/On-ground  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
H00 - Tank Leak Detection - None  
G00 - Tank Secondary Containment - None  
B01 - Tank External Protection - Painted/Asphalt Coating  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
  
Install Date: 01/01/1982  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 02/01/2001  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SEAN KELLY GALLERY/BLUMARTS, INC. (Continued)**

**U000394692**

Last Modified: 03/04/2004

Site ID: 2125

Tank Number: 002  
Tank ID: 3397  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
C02 - Pipe Location - Underground/On-ground

Install Date: 12/01/1980  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 10/01/2003  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 2125

Tank Number: 003  
Tank ID: 3398  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction

Install Date: Not reported  
Capacity Gallons: 500  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 10/01/2003  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SEAN KELLY GALLERY/BLUMARTS, INC. (Continued)**

**U000394692**

Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

**SPILLS:**

Facility ID: 0408382  
DER Facility ID: 268353  
Facility Type: ER  
Site ID: 333103  
DEC Region: 2  
Spill Date: 10/29/2004  
Spill Number/Closed Date: 0408382 / 11/1/2004  
Spill Cause: Other  
Spill Class: Not reported  
SWIS: 3101  
Investigator: JBVOUGHT  
Referred To: Not reported  
Reported to Dept: 10/29/2004  
CID: 407  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/29/2004  
Spill Record Last Update: 11/1/2004  
Spiller Name: ANTHONY SIGONA  
Spiller Company: FENLEY AND NICOL  
Spiller Address: 445 BROOK AVE  
Spiller City,St,Zip: DEER PARK, NY 11729  
Spiller Company: 001  
Contact Name: WALTER SEELIG  
Contact Phone: (717) 235-8785  
DEC Memo: 11/1/04-Vought-This spill closed due to non petroleum spill and open spill #0307633 at same location.

Remarks: Caller states that while performing drilling to install monitoring wells the adjacent tennant to high ridge enterprise reported diesel fumes inside the building, fenley and nicol shut the job down. plan to bring in exhaust hose for the drill rig on monday and install an explosion proof fan as a precaution, will monitor the air quality. dec rep is jeff vought.

**Material:**

Site ID: 333103  
Operable Unit ID: 1095282  
Operable Unit: 01  
Material ID: 575422  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SEAN KELLY GALLERY/BLUMARTS, INC. (Continued)**

**U000394692**

Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**C25  
 NNW  
 < 1/8  
 0.061 mi.  
 321 ft.**

**SB-5 AVALON WEST CHELSEA LLC  
 SITE 2 282 11TH AVE  
 NEW YORK, NY  
 Site 2 of 3 in cluster C**

**NY Spills S112147762  
 N/A**

**Relative:  
 Lower**

**SPILLS:**

Facility ID: 1203713  
 DER Facility ID: 420886  
 Facility Type: ER  
 Site ID: 466553  
 DEC Region: 2  
 Spill Date: 7/17/2012  
 Spill Number/Closed Date: 1203713 / 7/31/2012  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 11 ft.**

**SWIS:** 3101  
 Investigator: AAOBLIGA  
 Referred To: Not reported  
 Reported to Dept: 7/17/2012  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 7/17/2012  
 Spill Record Last Update: 7/31/2012  
 Spiller Name: Not reported  
 Spiller Company: SB-5 AVALON WEST CHELSEA LLC  
 Spiller Address: SITE 2 282 11TH AVE  
 Spiller City,St,Zip: NEW YORK, NY  
 Spiller Company: 999  
 Contact Name: RAHUL BAHTIA  
 Contact Phone: 212675-3225  
 DEC Memo: 7-31-12 - Obligado - closed and consolidated with 0700587.  
 Remarks: SOIL CONTAMINATION

**Material:**

Site ID: 466553  
 Operable Unit ID: 1216541  
 Operable Unit: 01  
 Material ID: 2214740  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SB-5 AVALON WEST CHELSEA LLC (Continued)**

**S112147762**

Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**C26  
NNW  
< 1/8  
0.061 mi.  
321 ft.**

**CONSTRUCTION SITE  
282 11TH AVE  
MANHATTAN, NY**

**NY Spills S112147778  
N/A**

**Site 3 of 3 in cluster C**

**Relative:  
Lower**

**SPILLS:**

Facility ID: 1203735  
DER Facility ID: 420907  
Facility Type: ER  
Site ID: 466576  
DEC Region: 2  
Spill Date: 7/17/2012  
Spill Number/Closed Date: 1203735 / Not Closed  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**Actual:  
11 ft.**

**SWIS:** 3101  
Investigator: AAOBLIGA  
Referred To: 55 GAL DRUM DISCOVERED NEED ENDPOINT DATA  
Reported to Dept: 7/17/2012  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 1  
Date Entered In Computer: 7/17/2012  
Spill Record Last Update: 8/1/2012  
Spiller Name: Not reported  
Spiller Company: AKRS  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: KATE BRUNNER  
Contact Phone: 646-388-9525  
DEC Memo: Not reported  
Remarks: UNCOVERED 55 GALLON DRUM DURING EXCAVATION, CONTAINS MOSTLY SLUDGE,  
SOIL IMPACT IN AREA.

**Material:**

Site ID: 466576  
Operable Unit ID: 1216563  
Operable Unit: 01

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE (Continued)**

**S112147778**

Material ID: 2214767  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**F27  
NE  
< 1/8  
0.063 mi.  
332 ft.**

**SAM-FAY REALTY CORP.  
515 WEST 29TH STREET  
NEW YORK, NY 10001**

**NY AST A100178243  
N/A**

**Site 4 of 4 in cluster F**

**Relative:  
Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-606014  
Program Type: PBS  
UTM X: 584268.05354999995  
UTM Y: 4511668.11546  
Expiration Date: 2011/06/18

**Actual:  
16 ft.**

Affiliation Records:  
Site Id: 27879  
Affiliation Type: Owner  
Company Name: SAM-FAY REALTY CORP.  
Contact Type: MANAGER  
Contact Name: LANCE LANDERS  
Address1: 515 WEST 29TH ST  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (646) 325-5247  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 7/5/2006

Site Id: 27879  
Affiliation Type: Mail Contact  
Company Name: SAM-FAY REALTY CORP.  
Contact Type: Not reported  
Contact Name: LANCE LANDERS  
Address1: 515 WEST 29TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAM-FAY REALTY CORP. (Continued)**

**A100178243**

Zip Code: 10001  
Country Code: 001  
Phone: (646) 325-5247  
Phone Ext: Not reported  
Email: LUCHOLAND@VERIZON.NET  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 7/5/2006

Site Id: 27879  
Affiliation Type: On-Site Operator  
Company Name: SAM-FAY REALTY CORP.  
Contact Type: Not reported  
Contact Name: ISADOR KIEBLESZ  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 282-4864  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 7/5/2006

Site Id: 27879  
Affiliation Type: Emergency Contact  
Company Name: SAM-FAY REALTY CORP.  
Contact Type: Not reported  
Contact Name: LANCE LANDERS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (646) 325-5247  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 7/5/2006

Tank Info:

Tank Number: 001  
Tank Id: 61070

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
C01 - Pipe Location - Aboveground

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAM-FAY REALTY CORP. (Continued)**

**A100178243**

H00 - Tank Leak Detection - None  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B05 - Tank External Protection - Jacketed  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Administratively Closed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 07/30/2001  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Tank Number: 001  
Tank Id: 60842

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
C01 - Pipe Location - Aboveground  
I05 - Overfill - Vent Whistle  
G00 - Tank Secondary Containment - None  
B05 - Tank External Protection - Jacketed  
J02 - Dispenser - Suction  
L09 - Piping Leak Detection - Exempt Suction Piping  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
A00 - Tank Internal Protection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Affiliation Records:

Site Id: 28044  
Affiliation Type: Owner  
Company Name: SAM-FAY REALTY CORP.  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 48-85 MASPETH AVE.  
Address2: Not reported  
City: MASPETH

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAM-FAY REALTY CORP. (Continued)**

**A100178243**

State: NY  
Zip Code: 11378  
Country Code: 001  
Phone: (718) 417-1119  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 28044  
Affiliation Type: Mail Contact  
Company Name: MYRON ZUCKERMAN  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 48-85 MASPETH AVENUE  
Address2: Not reported  
City: MASPETH  
State: NY  
Zip Code: 11378  
Country Code: 001  
Phone: (718) 417-1119  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 28044  
Affiliation Type: On-Site Operator  
Company Name: SAM-FAY REALTY CORP.  
Contact Type: Not reported  
Contact Name: SYLVESTER REDDICK  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (917) 346-6398  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Site Id: 28044  
Affiliation Type: Emergency Contact  
Company Name: SAM-FAY REALTY CORP.  
Contact Type: Not reported  
Contact Name: MYRON ZUCKERMAN  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAM-FAY REALTY CORP. (Continued)**

**A100178243**

Phone: (718) 417-1119  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 61070

Equipment Records:

A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
G00 - Tank Secondary Containment - None  
I05 - Overfill - Vent Whistle  
C01 - Pipe Location - Aboveground  
H00 - Tank Leak Detection - None  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B05 - Tank External Protection - Jacketed

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Administratively Closed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 07/30/2001  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Tank Number: 001  
Tank Id: 60842

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)  
F00 - Pipe External Protection - None  
H00 - Tank Leak Detection - None  
C01 - Pipe Location - Aboveground  
I05 - Overfill - Vent Whistle  
G00 - Tank Secondary Containment - None  
B05 - Tank External Protection - Jacketed  
J02 - Dispenser - Suction  
L09 - Piping Leak Detection - Exempt Suction Piping  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
A00 - Tank Internal Protection - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SAM-FAY REALTY CORP. (Continued)**

**A100178243**

Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

**D28**  
**SSE**  
**< 1/8**  
**0.068 mi.**  
**357 ft.**

**DEL. SPILL /W.28ST.&10AV**  
**W. 26TH ST & 10TH AVE**  
**NEW YORK CITY, NY**  
**Site 3 of 8 in cluster D**

**NY LTANKS** **S102671130**  
**N/A**

**Relative:**  
**Higher**

**LTANKS:**

**Actual:**  
**14 ft.**

Site ID: 295262  
Spill Number/Closed Date: 8605584 / 12/4/1986  
Spill Date: 12/4/1986  
Spill Cause: Tank Overfill  
Spill Source: Commercial/Industrial  
Spill Class: Not reported  
Cleanup Ceased: 12/4/1986  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: UNASSIGNED  
Referred To: Not reported  
Reported to Dept: 12/4/1986  
CID: Not reported  
Water Affected: NONE  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 12/6/1986  
Spill Record Last Update: 3/26/2002  
Spiller Name: Not reported  
Spiller Company: ONDPR TRUCKING  
Spiller Address: 702 OAK ST.  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 238927  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was " "  
Not reported  
Remarks: NYCFD CONTAINED SPILL WITH SORBENT PADS. UNKNOWN NOTIFIER.

**Material:**

Site ID: 295262  
Operable Unit ID: 902966  
Operable Unit: 01  
Material ID: 474759  
Material Code: 0009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DEL. SPILL /W.28ST.&10AV (Continued)**

**S102671130**

Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 400  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**E29**  
**WSW**  
**< 1/8**  
**0.068 mi.**  
**357 ft.**

**PENSKE TRUCK LEASING CO L P**  
**536 W 26TH ST**  
**NEW YORK, NY 10001**  
**Site 3 of 5 in cluster E**

**RCRA NonGen / NLR 1000382741**  
**NY LTANKS NYD101106565**  
**NY Spills**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

**Actual:**  
**9 ft.**

Date form received by agency: 01/01/2007  
Facility name: PENSKE TRUCK LEASING CO L P  
Facility address: 536 W 26TH ST  
NEW YORK, NY 10001  
EPA ID: NYD101106565  
Mailing address: W 26TH ST  
NEW YORK, NY 10001  
Contact: Not reported  
Contact address: W 26TH ST  
NEW YORK, NY 10001  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: 293 10TH AVE CORP  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999  
Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: 293 10TH AVE CORP  
Owner/operator address: NOT REQUIRED  
NOT REQUIRED, WY 99999

Owner/operator country: US  
Owner/operator telephone: (212) 555-1212  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENSKE TRUCK LEASING CO L P (Continued)**

**1000382741**

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Facility name: PENSKE TRUCK LEASING CO L P  
Classification: Not a generator, verified

Date form received by agency: 07/14/1999  
Facility name: PENSKE TRUCK LEASING CO L P  
Classification: Small Quantity Generator

Date form received by agency: 10/21/1986  
Facility name: PENSKE TRUCK LEASING CO L P  
Classification: Large Quantity Generator

Violation Status: No violations found

LTANKS:

Site ID: 144036  
Spill Number/Closed Date: 9211726 / 1/21/1993  
Spill Date: 1/13/1993  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 1/21/1993  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: O'DOWD  
Referred To: Not reported  
Reported to Dept: 1/13/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 1/14/1993  
Spill Record Last Update: 3/27/1995  
Spiller Name: Not reported  
Spiller Company: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENSKE TRUCK LEASING CO L P (Continued)**

**1000382741**

Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 122793  
DEC Memo: Not reported  
Remarks: EIR

Material:

Site ID: 144036  
Operable Unit ID: 976175  
Operable Unit: 01  
Material ID: 405108  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 144036  
Spill Tank Test: 1541057  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

SPILLS:

Facility ID: 9801954  
DER Facility ID: 178260  
Facility Type: ER  
Site ID: 215150  
DEC Region: 2  
Spill Date: 5/14/1998  
Spill Number/Closed Date: 9801954 / Not Closed  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SKCARLSO  
Referred To: 7 LINE EXTENSION PROJECT ONGOING  
Reported to Dept: 5/14/1998  
CID: 281  
Water Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENSKE TRUCK LEASING CO L P (Continued)**

**1000382741**

Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: 12/23/2003  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 1  
Date Entered In Computer: 5/14/1998  
Spill Record Last Update: 12/11/2012  
Spiller Name: RICHARD SAUT  
Spiller Company: PENSKE TRUCK LEASING  
Spiller Address: 536 WEST 26TH STREET  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: RICHARD SAUT  
Contact Phone: (610) 775-6010  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ROMMEL" Formerly assigned to Tomasello4/10/2002 - Someone from Penske Truck Leasing called looking for a closure letter on this site. Sangesland spoke to him. DeMeo was on duty for the day, therefore it was assigned to DeMeo. Sangesland suggested the rep from Penske should send a copy of the original closure report to DeMeo along with a request for closure. 8/29/03 TJD Work plan approved. 12/9/03 TJD transferred DeMeo >>> Rommel. 1/7/04 Reviewed 12/31/03 report from GES proposing 5 additional delineation wells. Spoke to Tony Dellaria, GES, verbally approved additional well locations with the addition of one well downgradient of MW4. Letter to Penske, Route 10, Green Hills, PO Box 7635 Redding PA 19603-7635 Rommel 3/8/04 Spoke to Debra Kaplan, GES. Wells are scheduled for 3/22/04. Rommel. >>> 05/13/04 10:46AM >>> Ms. Rommel, Attached please find the Subsurface Investigation Report for the above-referenced site. The hard copy of the report was sent to you today. If you have any questions, please feel free to call Anthony Dellaria at (631) 420-5095. Thank you. >>> Jennifer Rommel 05/13/04 03:43PM >>> DEC approves the work proposed in the Subsurface Investigation Report dated 5/13/04. At the end of the three months of HIT events, please submit an evaluation of the need for a permanent recovery system. 5/17/04 Received summary, 4 mw installed. Total 8 wells. Product in MW1 and MW4 - quarterly bailing recommended. Rommel 10/14/04 Reassigned from Rommel to Sun. 10/31/04 File Update by Sun: - On 11/22/04, Sun sent a letter to Richard Saut of Penske requiring complete delineation of soil and groundwater contaminations, submittal of an Investigation Summary Report followed by a Remedial Action Plan. The Department set a deadline of 12/10/04 for signing the Stipulation Agreement. The Stipulation Agreement was signed by Penske on 12/10/04 and implemented by the Department on 12/27/04. - On 12/21/04, Sun sent a letter to Richard Saut of Penske informing him that the Department has approved the Remedial Action Plan (RAP)/HypeAir Work Plan prepared by his Consultant, Groundwater & Environmental Service (GES) for the subject site; specifically two in-situ chemical oxidation events at the site via "HypeAir" air and Hydrogen peroxide injection system. The Department requires that due to the proximity of existing utility corridors, temperature, pH, pressure, oxidation-reduction potential (ORP), conductivity and dissolved oxygen (DO) shall be monitored on all the monitoring wells. Any potential accumulation of vapors during the injection activities shall be avoided. (Sun) 02/21/06: Sun received 4th Quarter 2005 Site

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENSKE TRUCK LEASING CO L P (Continued)**

**1000382741**

Status Update Report. Review of this report is pending.  
(Sun)02/27/06: The Department approves the GES's request for two (2) additional injection events to be completed in April and May 2006; specifically two in-situ chemical oxidation (Chem-Ox) events at the above referenced site utilizing a hydrogen peroxide, ozone, and persulfate injection system (HypeAir). (Sun)07/23/07-Sun: On 07/23/07 the Department approves the GES's request for performing enhanced product recovery through the injection of surfactant into MW-5. The Department also approves a series of high intensity targeted (HIT) remediation events using high vacuum extraction at monitoring wells MW-3, MW-4, and MW-5 to reduce residual hydrocarbons impacts on-site for 8-hour events for approximately four (4) months. (Sun) 08/09/07-Sun: On 7/18/07 Joe Sun of DEC was informed by Kevin Heaphy of Parson Brinckerhoff Amercica (PB) that the MTA will be using this site (Lot 60) and the adjacent Fed Ex lot for a mocking pit to build the initial shaft for Tunnel boring machine to be used for the No. 7 subway extension project. In general, the site is slated to be used as a staging area for the project. A meeting was held on 8/9/07 to discuss project among all the key parties, including DEC, MTA, NYCT, Developer, Parson Brinckerhoff (PB), Penske, property owner (Michael Silvermintz)and Penske's consultant, GES. The meeting concluded that PB will first review the GES's investigation and remediation reports and then will discuss with GES and MTA project team to assess if other viable remedial action plans (RAP) can be implemented to expedite the cleanup process. Any new proposed RAP will be submitted to DEC for review and approval. (Sun)08/23/07-Sun: Sun received 2nd Quarter 2007 Site Status Update Report. Based on laboratory analytical results, a 64% reduction of dissolved benzene, toluene, ethylbenze, and total xylenes (BTEX) concentrations has been observed on and off-site since initiating hydrogen peroxide and ozone injections at the site. (sun) 08/30/07: Sun received the following email from Heather Cloud of GES "Joe, Penske and GES submitted all historical documents to Kevin Heaphy for his review. He reviewed the documents and we had a follow up call with him and the MTA this past Monday (8/27). During the call, Kevin brought up a suggestion of relocating the wells off-site or installing remote access points in the sidewalk. As discussed at the NYSDEC meeting, we told Kevin that that locating the wells offsite was not an option, and installing remote access points in the sidewalk could not be sufficient for our liquid level measurements and groundwater sampling activities. Additionally, there is a high pressure gas main in the sidewalk, so we would not be able to drill safely in this area. They did not have any additional suggestions or ideas beyond relocating the wells. (Sun) Since they did not have any additional suggestions, it was decided that GES is going to proceed with our approved work plan. We are actually scheduled to conduct our surfactant injection on September 5 and the high vacuum extraction events on the 6th and 7th. Once we get the data back from the first event, we will evaluate the effectiveness and move forward from there." (Sun) 11/19/07-Sun: Sun received the following email from Heather Cloud of GES, "Hi Joe, We conducted the Surfactant Injection at MW-5 on September 5, 2007 followed by a high vacuum extraction event on September 7, 2007 to remove and recover residual product at MW-5. Since conducting the injection event, we have not seen any product at MW-5. Groundwater data at MW-5 prior to the injection (July 3, 2007) was 489 ppb BTEX (144 ppb benzene). Following the injection (October 12, 2007), groundwater data at MW-5 was 87 ppb BTEX (66 ppb benzene). Since the

**PENSKE TRUCK LEASING CO L P (Continued)**

**1000382741**

injection event, we have conducted 2 high vacuum extraction events on MW-3 and MW-4. These events were completed in September and October. Between the 2 high vacuum extraction events, we have recovered 5 pounds of mass and 1,300 gallons of water. We were at the site today and are at the site tomorrow to complete our 3rd high vacuum extraction event on MW-3, MW-4, and MW-5. The 3rd QTR Site Status Update Report is currently being reviewed by the client, so you should have it shortly." (Sun) 02/15/08-Sun: DEc received the following email from Andrew Cullen of Penske, "All, After much review, we have come to the conclusion that we will make an attempt to meet the requirements of the contractor and complete the necessary remediation work required by the NY DEC on two Saturday's per month. However, I need all the parties to understand that our agreement specifically states we need 2 to 3 days per month to perform the necessary remediation. Limiting us to only two days per month may cause the remedial efforts to go past our original estimates. Moreover, MTA also agreed to reimburse Penske for "any premium costs associated with work that must be scheduled outside of normal working hours (i.e. Monday to Friday 8:00am to 5:00pm)". If at any time we find the contractor is not cooperating, our remedial efforts will require more than 2 days per month, or any invoices for premium costs or damage by the contractor are not paid in accordance with our agreement, we will alert the appropriate parties. I do not anticipate this happening, but given the events that have lead us to this point, I feel compelled to remind everyone of the terms and conditions of our agreement." (Sun)03/04/08-Sun: Sun sent the following email to all the parties involved, "Penske may have to conduct remedial efforts more often than 2-3 days a month if project demands. The required frequency and nature of remedial efforts will depend on results of on-going remediation to be received in future. If current extraction method does not produce acceptable (to the NYSDEC) results, DEC reserves its rights to require Penske to undertake more aggressive remedial efforts. NYSDEC is not a party to any of the agreements between Penske and MTA, and reserves all rights under the existing Laws and Regulations." (Sun) 03/25/08-Sun: Sun received the 4th Quarter 2007 Site Status Update Report. (Sun)07/03/08-Sun: Sun received from Heather Cloud of GES on the current site status: We are currently conducting quarterly groundwater monitoring and sampling. Our next groundwater sampling event is scheduled for this month. - Based upon the recent groundwater data, we are not seeing a reduction in the BTEX concentrations. See attached groundwater analytical tables. Therefore, the high vacuum extraction events don't appear to be overly effective at this time. We are currently evaluating alternate options to address the dissolved phase impacts. We are looking at potentially injecting sodium percarbonate or other potential oxidizers. The total BTEX concentrations are primarily comprised of benzene. We have seen great success in reducing benzene levels with sodium percarbonate at other sites. Also, this type of technology is not intrusive at all. With the MTA project going on, we are limited with the technologies that we can go with. - The 1st QTR QMR is currently being reviewed by Penske. You should have this report within the next week or so. (Sun) 8/4/08 - Carlson: Case reassigned to Carlson. Reviewed 1st Quarterly 2008 report. Wells sampled on 1/3/08. Maximum BTEX concentration 5,425 ppb (MW3), maximum MTBE concentration 64 ppb (MW3). Report notes that VEFR is not effective. Sent letter requiring submission of a new RAP and additional delineation by 9/12/08. 9/11/08 - Carlson: Approved

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENSKE TRUCK LEASING CO L P (Continued)**

**1000382741**

extension to 11/14/08 for submission of a new RAP. Scheduled site visit for 9/25/08 to discuss potential locations for an additional delineation well.9/30/08 - Carlson: Performed site visit on 9/25/08. Met with Heather Cloud of GES, Richard Saut of Penske, Charles Stives of Liro Engineering, as well as representatives from MTA and NYCT. Five monitoring/remediation wells have be destroyed during recent activities. A location was identified for the installation of an additional monitoring well. RAP due 11/14/08.10/6/08 - Carlson: Reviewed update report dated 9/23/08. Wells sampled on 4/26/08. Maximum BTEX concentration 3,537 ppb (MW3). They are pilot testing sodium percarbonate.3/20/09 - Carlson: Reviewed Site Status Report dated 2/25/09. Delineation well discussed during 9/30/08 site visit was not installed. Destroyed wells were not replaced. Sodium percarbonate solution was injected into MW-1, MW-2, and MW-4 on 9/20/08. Wells were sampled on 10/25/08. Decreased concentrations were found in MW1 and MW2, but BTEX increased in MW4. Spoke to Heather Cloud at GES. She will submit workplan.Received Remediation and Delineation Work Plan dated 2/10/09. 4/16/09 - Carlson: Meeting held with Penske. Mark requested the addition of another boring.4/23/09 - Carlson: Meeting held MTA. Access to most of the site not possible for 1 year because the TBM is in operation. Access to the sidewalk can be arranged. MTA will submit a construction timeline.5/4/09 - Carlson: Received phone message from Sal McCabe - construction timeline will be submitted.5/7/09: Received update report. Received email from Christopher Ward - mw5 has been located and will be abandoned (under future muck bin).5/15/09 - Carlson: Received email. MW5 will be abandoned tomorrow.7/1/09 - Carlson: Received cc of penske access request to sample wells on 7/25/2/09 - Carlson: Paul matthews of mta responded - requested sampling be delayed for one month. 7/2/09 - Carlson: I replied saying one month delay is ok. Construction timeline was not submitted as requested at the last meeting. 7/6/09 - Carlson: Received cc of penske access request to sample wells on 8/22/09.9/18/09 - Carlson: Left voice message for Chris Ward to followup on case status.11/5/09 - Carlson: Received cc of letter requesting access from MTA to sampling wells. Left voice message for Chris Ward to see if they were given access - need to get phone number for MTA contact Paul Matthews.11/10/09 - Carlson: GES received access from MTA to sample wells.2/12/2010: Received cc of letter from GES to MTA - access requested to sample wells on 2/20/2010. Spoke to Chris Ward. Update report will be submitted.5/26/2010 - Carlson: Received cc of access request by GES to MTA to sample wells on 6/12/2010.6/25/2010 - Carlson: Received cc of access request by GES to MTA to sample wells on 6/12/2010. Left message for MTA Philip McGrade to followup on status of construction.6/29/10 - Carlson: Spoke to Paul Matthews at MTA (212-616-4462). TBM is still in operation 5 days/wk 24hr/day. No construction on weekends when GES samples wells. Remedial work on Saturdays would be very difficult due to access on site. Project completion scheduled for 2013.7/27/2010 - Carlson: Meeting held with Penske on 7/27. NYSDEC to organize meeting with MTA to discuss access/remedial plan.8/24/2010 - Carlson: Meeting held with MTA and Penske on 8/24. Penske to reinstall wells on a weekend. Wells to be covered with roadplates. Contractor will remove roadplates prior to remedial activity at the site. Penske/MTA/NYSDEC to perform site visit to confirm locations of new wells.9/22/2010 - Carlson: Site meeting held to discuss well installation locations and procedures. GES will prepared updated site plan.3-11-11. - Breen: Consultant,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PENSKE TRUCK LEASING CO L P (Continued)**

**1000382741**

GES, sent in Site Status Update Report on CD today. Heather Cloud is Operations Manager. Sarken Dressler is the Staff Hydrogeologist. Report for 9610811 is on the same CD. 6/6/12 - Carlson: Reviewed Site Status Update Report dated 4/30/12. Wells sampled on 2/25/12. Wells destroyed in 2008 were not replaced. Max BTEX only 588 in MW-4. Max MTBE only 3 ppb in MW-8. Called MTA Philip McGrade at number in file. Voice mail indicated this is not his number anymore. Left message at this number for help getting status of MTA 7-line extension project at this site. 6/8/12 - Carlson: Left message for Phil McGrade (646 252 8315) to follow up on 7 train extension project. 7/11/12 - Carlson: See new spill 1201147 at site - MTA found a diesel/#2 fuel oil in tank shaft location. Tank was removed. 9/14/12 - Carlson: Reviewed 2nd quarter 2012 update report. Existing wells show low concentrations. Destroyed wells were never replaced. Continue to followup on status of 1201147. Need to contact MTA to get status of MTA project. 11/19/12 - Carlson: Spoke to Paul Matthews at MTA - he isn't involved in project anymore. New contact is Steve Asquith 646-252-8326. Left message for Steve Asquith. 11/26/12 - Carlson: Spoke to Steve Asquith (917-217-4765). He is arranging access with Penske/GES. Send him my email address, he will cc me on correspondence with penske/GES; 11/27/12 - Carlson: Emailed Steve Asquith (sasquith@mtacc.info) - please cc me on correspondence with Penske/GES as discussed during yesterdays phone conversation. 12/11/12 - Carlson: Site meeting with Healthier Cloud (GES) and Dave Mariani (Skanska). Well locations were marked out. Wells will be installed in january.

Remarks:

CALLER RESPONDED TO ABOVE LOCATION TO REMOVE FUEL TANKS. UPON REMOVAL SOME SOIL CONTAMINATION DISCOVERED. TANKS REMOVED AND SOIL EXCAVATION IN PROGRESS. NO CALL BACK REQUESTED.

Material:

Site ID: 215150  
Operable Unit ID: 1062495  
Operable Unit: 01  
Material ID: 323866  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

D30  
ESE  
< 1/8  
0.069 mi.  
366 ft.

**FORMER GAS STATION**  
**303 10TH AVE**  
**MANHATTAN, NY**  
**Site 4 of 8 in cluster D**

**NY Spills** **S108058323**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0603967  
DER Facility ID: 316865  
Facility Type: ER  
Site ID: 366826  
DEC Region: 2  
Spill Date: 7/11/2006  
Spill Number/Closed Date: 0603967 / 10/27/2010  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**16 ft.**

**SWIS:**

Investigator: RVKETANI  
Referred To: Not reported  
Reported to Dept: 7/11/2006  
CID: 444  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/11/2006  
Spill Record Last Update: 10/27/2010  
Spiller Name: DOUG HARM  
Spiller Company: FORMER GAS STATION  
Spiller Address: 303 10TH AVE  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: DOUG HARM  
Contact Phone: (732) 223-2225  
DEC Memo: 03/15/07-Vought-File review by Vought:Letter from American

Environmental Solutions (AES)- Brain Pendergast (ph:631-475-0020 fax:631-475-0025) to DEC Falvey-12/19/06: "Atlantic Development Group, LLC has retained Brinkerhoff Environmental Services, Inc. as the environmental consultant and American Environmental Solutions, Inc. (AES) as the remediation supervisor...". In 9/06, AES removed one (4000-gallon) diesel UST and three (4000-gallon) gasoline USTs from the site. "The tanks were encased in concrete and there was no evidence of a petroleum release". "A small amount of contaminated soil was located in the area east of the former pump island". Approximately 20 tons of soil was excavated in 11/06. Revised PBS application being submitted by AES. Five PBS violations found by DEC Falvey during inspection. Remedial Action Report (Brinkerhoff Environmental-732-223-2225). Site was formerly occupied by a gasoline station and auto repair facility. In 9/06 AES collected endpoint samples from waste oil UST excavation and "endpoint sampling was not conducted in the gasoline and diesel UST excavation since the USTs had been encased in concrete. No evidence of discharge was observed in the field in either the gasoline/diesel UST excavation or in the

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER GAS STATION (Continued)**

**S108058323**

waste oil excavation". In 11/06 Brinkerhoff directed excavation of soil in the area of the dispenser island and the former sample location that reported VOCs. Report proposes No Further Action. Nine soil boring performed in 6/06. "PID readings, petroleum staining and petroleum odors were encountered in Soil Boring SB-4 and SB-9". Soil analyticals from boring show both samples were DILUTED: 260ppb benzene(SB9 3'bg), 111000ppb xylene (SB9 3'bg), 70000ppb 1,2,4-trimethylbenzene(SB9 3'bg), 26000ppb 1,3,5-trimethylbenzene(SB9 3'bg), 370ppb MTBE(SB9 3'bg). SITE IS E DESIGNATED. Four endpoint samples collected from excavation of soils at SB9 show no TAGM 4046 Required Soil Cleanup Objective exceedences. SVOC exceedences attributed to urban fill material. Endpoint samples from excavation of SB9 collected at least ten feet away from initial soil boring location. Samples collected from 11'bg at SB9 show VOCs below TAGM. Tank Closure Report (American Environmental Solutions-January 2007. "The site is currently being redeveloped for future use as a hotel." Five USTs were removed from 9/06-11/06 including one (1000-gallon) waste oil UST, three (4000-gallon) gasoline USTs and one (4000-gallon) diesel. "All lines and piping associated with the tanks located on the site were removed". Thirty tons of soil was disposed from site. Soil was excavated from the area just east of the pump island. AES collected five endpoint soil samples from waste oil excavation in 9/06 and Brinkerhoff collected soil samples in 11/06. No endpoint samples collected from gasoline and diesel USTs "because they were entirely cased in concrete" and "there were no holes in any of these tanks and no evidence of a petroleum discharge was observed". Report recommends no further action. Waste oil samples show no TAGM exceedenced except for PAHs attributed to fill material. Endpoint soil samples collected from pump island excavations show no TAGM 4046 Soil Quality Objective exceedences except for PAHs attributable to fill material. 3/20/07-Vought-See also closed spill numbers: 8605682, 9410208, 9410209 and 8302630(Open pin #). Vought spoke to DEC Krimgold who is preparing Consent Order for PBS violations and requested to add remedial requirements. Conference call with DEC Urda, AG Nyoff and AG Riggi showed that approximately 354K still owed to AG for past cleanup costs. Due to same ownership (Citigas) prior costs may be included in Consent Order. Vought submitted CAP for below requirements to DEC Urda. Riggi and Nyhoff also approved submission of Final ISR and closure of spill as any new funds spent by the DEC need a new PIN number since settlement already reached with old responsible party. Vought called Snyder, summarized consent order and left message to return call. DEC requires:

- 1) collection of water sample at SB9 due to shallow groundwater table and historical video for spill #8302630 showing bailer from monitoring well adjacent to pump islands with free product
- 2) expected depth of foundation
- 2) vapor barrier/SSDS 3/26/07-Vought-Received call from Matt Snyder (212-318-1650x253 cell 914-522-0759) and returned call and spoke to Snyder. Contact at Brinkerhoff that Urda is using is Doug Harm. Vought referred Snyder to Doug Harm at Brinkerhoff. DEC sent Consent Order to Doug Harm. 04/04/07-Vought-Received message from Doug Harm (732-223-2225) regarding site and returned call and left message to return call. 4/5/07-Vought-Received call from and spoke to Harm who received CAP for Consent Order. Brinkerhoff will collect groundwater samples on 4/10 and report will be submitted to DEC. Workplan submitted to DEP for their additional requirements and DEP will not approve plan until they receive plan for building. Building will not occur until Consent Order obligations are completed. ISR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER GAS STATION (Continued)**

**S108058323**

will be submitted to DEC. RAP may not be submitted for 90-120 days as owner not decided on how to develop property as of yet. 4/6/7-Vought-Vought called Harm who proposed 60 days for ISR and 180 days for submission of RAP as owner still undecided on development plans. Harm assured DEC Vought that development will not take place as permits cannot currently be obtained from DEP due to outstanding E designation requirements. Vought approved of proposed changes to CAP and submitted to DEC Urda. Harm also sent in letter with request as per Vought. 4/13/07-Vought-Reviewed Corrective Action Plan Extension Request dated 4/5/07 submitted by Brinkerhoff (Harm). Groundwater sampling scheduled to be conducted on 4/10/07. "An extension for submittal of the RAP of 180 days is requested". See above entry for 4/5/07 as 120 day extension for RAP is acceptable by Department. Vought sent email to DEP Naizaire requesting information on DEP project manager. 06/04/07-Vought-Received email from DEC Nazaire that DEP project manager is Tracy Goldman (718-595-6443) and left message to return call. 06/26/07-Vought-Received call from and spoke to Suman Khanna (718-349-0555) who put in foil request and he received detailed PDF report and was not aware of prior Attorney General action. 10/23/09-Vought-Received message from Harm (732-223-2225) on 9/28 that property being developed with residential apartments and that vapor barrier and SSD installed. Vought spoke to Harm and 3000 tons of soil was removed and post excavation samples were collected. Excavation occurred to water table. No sidewalk wells remain. DEC will receive closure and excavation report within the next couple of weeks (by 12/1/09). Vought called and spoke to NYSOAG John Nyhoff and informed him of property development. 8/6/10 - Raphael Ketani. I took over the case from Jeff Vought of Spills who transferred to Unit A, Superfund Sites and Brownfields, within DER. On 7/11/06, oil contaminated soil was discovered during a site investigation. The site was a former gas station. The address is 303 10th Avenue in Manhattan. The consultant was Doug Harm of Brinkerhoff Environmental (732-223-2225). The site is located at 303-309 10th Avenue, Manhattan. The block and lot are 699 and 33. According to ACRIS, the deed shows that 303 10th Avenue Hospitality, LLC is still the owner of the property. Their address is 20 West 46th Street, 2nd Floor, NY, 10036. There are two PBS registrations. The earlier one, #2-601361, shows four 4,000 gal. USTs with gasoline and diesel fuel. They were installed on 9/1/98 and removed on 2/1/77. The second registration is #2-604322. There is one 250 gal. lube oil UST. I left a message for Mr. Harm (732) 223-2225 requesting the closure report for the site along with the groundwater results. Also, I spoke Mr. Vought regarding the site. He said that they were putting in the foundation for a building when he had the case. 8/9/10 - Raphael Ketani. Mr. Harm called me back. He said that the last step in the investigation would be to install a monitoring well in front of the building. However, for a long time, there had been scaffolding in place which prevented any well installations. The scaffolding has finally come down and Brinkerhoff will install the well. The groundwater analytical results will be sent to the DEC in about 60 days. 10/26/10 - Raphael Ketani. Today I received the 10/5/10 Closure Report from Brinkerhoff Environmental Services, Inc. I began my review of the report. 10/27/10 - Raphael Ketani. I finished my review of the Closure Report. According to the information contained in the report, almost all of the soil within the footprint of the former gas station was removed down to 13 feet from 5/27/08 to 3/17/09. Eight (8) soil end point samples were taken from 8/27/08 to 3/19/09 and

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**FORMER GAS STATION (Continued)**

**S108058323**

indicated that there was no BTEX contamination and generally low concentrations of SVOCs. The only SVOCs that exceeded the TAGM standards were the benzo series and their associated combustion products. Given that only these analytes exceeded the TAGM standards, the soil results resemble those for historical fill. Groundwater samples were taken on 9/25/07, and 2/11/08 from wells MW-1 to MW-3. After 2/11/08, the wells were destroyed due to the foundation construction for the new apartment building. The results for MW-1 were in the thousands of parts per billion for samples that were taken during both rounds. The other two wells had non-detect or very low analytical results during the second round. A groundwater sample was taken on 03/19/09 from a test pit and the results indicated that the tested VOCs were non-detect, except for slightly elevated results for MTBE and TBA. A later well, MW-4, was installed on 8/12/10 downgradient to the former location of MW-1 after the construction was finished in order to check the groundwater analyte concentrations. The analytical results for the sample that was collected on 8/26/10 were almost entirely non-detect. According to the Closure Report, a sub-slab vapor barrier and a passive vapor ventilation system were installed. Based upon the information in the 10/5/10 Closure Report, I have determined that the petroleum contamination has been remediated. Also, as a vapor barrier and passive ventilation system were installed, I have determined that there is no threat to the public or the environment. Therefore, I am closing the spill case effective today.

Remarks:

DURING SOIL TESTING FOUND CONTAMINATION: - OWNER IS 303 10TH AVE HOSPITALITY LLC 20 WEST 46TH STREET NEW YOR NEW YORK 10036

Material:

Site ID: 366826  
 Operable Unit ID: 1124757  
 Operable Unit: 01  
 Material ID: 2114259  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**D31**  
**ESE**  
**< 1/8**  
**0.069 mi.**  
**366 ft.**

**M&L WESTSIDE AUTO REPAIR**  
**303 10TH AVE**  
**NEW YORK CITY, NY**  
**Site 5 of 8 in cluster D**

**NY LTANKS** **S102671142**  
**NY Spills** **N/A**

**Relative:**  
**Higher**

LTANKS:  
 Site ID: 225246  
 Spill Number/Closed Date: 8606807 / 2/5/1987  
 Spill Date: 2/5/1987  
 Spill Cause: Tank Overfill  
 Spill Source: Gasoline Station

**Actual:**  
**16 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M&L WESTSIDE AUTO REPAIR (Continued)**

**S102671142**

Spill Class: Not reported  
Cleanup Ceased: 2/5/1987  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: Unassigned  
Referred To: Not reported  
Reported to Dept: 2/5/1987  
CID: Not reported  
Water Affected: UNK  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 2/10/1987  
Spill Record Last Update: 12/14/2004  
Spiller Name: Not reported  
Spiller Company: RGR  
Spiller Address: SPILL  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DEC Facility ID: 220188  
DEC Memo: See PIN 4169, spills #8302630, 9410209, 9410208, 8605682.  
Remarks: HOPEFULLY THEY WILL START TO CLEAN IT UP. NOTIFIER LT.MC GOVERN NYFD  
212-570-4261

**Material:**

Site ID: 225246  
Operable Unit ID: 904394  
Operable Unit: 01  
Material ID: 472363  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 100  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

**Tank Test:**

Site ID: 256335  
Spill Number/Closed Date: 8605682 / 12/5/1986  
Spill Date: 12/4/1986  
Spill Cause: Tank Overfill  
Spill Source: Gasoline Station  
Spill Class: Not reported  
Cleanup Ceased: 12/5/1986  
Cleanup Meets Standard: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M&L WESTSIDE AUTO REPAIR (Continued)**

**S102671142**

SWIS: 3101  
Investigator: UNASSIGNED  
Referred To: Not reported  
Reported to Dept: 12/5/1986  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Fire Department  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 1/8/1987  
Spill Record Last Update: 1/3/2005  
Spiller Name: Not reported  
Spiller Company: UNK NAMED GAS STATION  
Spiller Address: 303 10 AVE  
Spiller City,St,Zip: MANH, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 220188  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "  
"10/10/95: This is additional information about material spilled from  
the translation of the old spill file: POTEN SPILL. See PIN 4169,  
spills #8302630,8606807,9410208,9410209.  
@  
Remarks:

Material:  
Site ID: 256335  
Operable Unit ID: 902641  
Operable Unit: 01  
Material ID: 474849  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1000  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

SPILLS:  
Facility ID: 8302630  
DER Facility ID: 220188  
Facility Type: ER  
Site ID: 270444  
DEC Region: 2  
Spill Date: 5/9/1984  
Spill Number/Closed Date: 8302630 / 4/23/2007  
Spill Cause: Unknown

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M&L WESTSIDE AUTO REPAIR (Continued)**

**S102671142**

Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101

Investigator: JBVOUGHT

Referred To: SIR DUE 07/22/06 (PIN JOB)

Reported to Dept: 5/9/1984

CID: Not reported

Water Affected: Not reported

Spill Source: Unknown

Spill Notifier: Other

Cleanup Ceased: Not reported

Cleanup Meets Std: False

Last Inspection: Not reported

Recommended Penalty: False

UST Trust: False

Remediation Phase: 0

Date Entered In Computer: 6/10/1986

Spill Record Last Update: 4/24/2007

Spiller Name: Not reported

Spiller Company: WESTSIDE TRIPLE AUTO REPAIR

Spiller Address: 303-309 10TH AVE

Spiller City,St,Zip: MANHATTAN, NY 10001

Spiller Company: 001

Contact Name: Not reported

Contact Phone: Not reported

DEC Memo: 09/25/95: PIN-4169 - ASSIGNED TO CHRIS FOR TRACKING PURPOSES.10/6/03  
See also PIN 4169, spill #s 8605682, 8606807, 9410208, 9410209.1/8/04  
Reassigned from Tomasello to K Foley.06/20/06: Re-assigned from Foley to Yau. (Yau)06/22/06: Prepared and sent an old spill letter to property owner through certified mail. A site investigation report (SIR) is expected to be due on 07/22/06. (Yau)06/27/06: Owner called to inquire about the spill. Stated that he brought the property recently (around 2002) and had no idea where is the spill was. Told him that DEC will look into it and call him back with the exact location of the spill. (Yau)08/02/06: Owner called to request an update to the site. Told him that a review is underway. Found that DEC had a PIN job for this site. Unsure whether the cleanup is complete. If the cleanup is incomplete, the owner might have to re-do the cleanup. Will call owner back as soon as review is completed. (Yau)10/16/06 Reassign from Yau to Chanda (Chanda)12/12/06-Vought-Spill reassigned from DEC Chanda to DEC Vought.03/20/07-Vought-File review by Vought:See also open spill #0603967 at same location. Videotape-unknown date (circa 19884)-tape showing well being bailed with free product thickness of 1".Registered CSL Letter sent by DEC Yau to Tenth Gas Inc (address as per Property Shark).FOIL request from Brinkerhoff-8/18/06.Vought called AG Bechard for status of PIN case. PIN case assigned to AG John Nyhoff. Vought called Nyhoff and left message to return call.3/20/07-Vought-See also closed spill numbers: 8605682, 9410208, 9410209 and 8302630(Open pin #). Vought spoke to DEC Krimgold who is preparing Consent Order for PBS violations and requested to add remedial requirements. Conference call with DEC Urda, AG Nyoff and AG Riggi showed that approximately 354K still owed to AG for past cleanup costs. Due to same ownership (Citigas) prior costs may be included in Consent Order. Vought submitted CAP for below requirements to DEC Urda. Riggi and Nyhoff also approved submission

Map ID  
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Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M&L WESTSIDE AUTO REPAIR (Continued)**

**S102671142**

of Final ISR and closure of spill as any new funds spent by the DEC need a new PIN number since settlement already reached with old responsible party. Vought called Snyder, summarized consent order and left message to return call. 03/21/07-Vought-Left message for AG Nyhoff to call Vought with status of PIN. Vought and DEC Urda spoke with AG Nyoff and as per Nyoff default judgement was made against former owner of property resulting in lean of approximately 354K. 3/26/07-Vought-Received ISR from Nyoff. Vought left message for Nyoff to return call with which party was found responsible (Alex Goffman or Westside Tripple Auto Repair).4/23/07-Final ISR submitted to DEC Austin for review and spill closed by Vought.

Remarks: Not reported

Material:

Site ID: 270444  
Operable Unit ID: 894766  
Operable Unit: 01  
Material ID: 481492  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 8302630  
DER Facility ID: 220188  
Facility Type: ER  
Site ID: 270444  
DEC Region: 2  
Spill Date: 5/9/1984  
Spill Number/Closed Date: 8302630 / 4/23/2007  
Spill Cause: Unknown  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: JBVOUGHT  
Referred To: SIR DUE 07/22/06 (PIN JOB)  
Reported to Dept: 5/9/1984  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/10/1986

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M&L WESTSIDE AUTO REPAIR (Continued)**

**S102671142**

Spill Record Last Update: 4/24/2007  
Spiller Name: Not reported  
Spiller Company: ALEX GOFFMAN  
Spiller Address: 303-309 10TH AVE  
Spiller City,St,Zip: MANHATTAN, NY 10001  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: 09/25/95: PIN-4169 - ASSIGNED TO CHRIS FOR TRACKING PURPOSES.10/6/03  
See also PIN 4169, spill #s 8605682, 8606807, 9410208, 9410209.1/8/04  
Reassigned from Tomasello to K Foley.06/20/06: Re-assigned from Foley  
to Yau. (Yau)06/22/06: Prepared and sent an old spill letter to  
property owner through certified mail. A site investigation report  
(SIR) is expected to be due on 07/22/06. (Yau)06/27/06: Owner called  
to inquire about the spill. Stated that he brought the property  
recently (around 2002) and had no idea where is the spill was. Told  
him that DEC will look into it and call him back with the exact  
location of the spill. (Yau)08/02/06: Owner called to request an  
update to the site. Told him that a review is underway. Found that  
DEC had a PIN job for this site. Unsure whether the cleanup is  
complete. If the cleanup is incomplete, the owner might have to re-do  
the cleanup. Will call owner back as soon as review is completed.  
(Yau)10/16/06 Reassign from Yau to Chanda  
(Chanda)12/12/06-Vought-Spill reassigned from DEC Chanda to DEC  
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#0603967 at same location. Videotape-unknown date (circa 19884)-tape  
showing well being bailed with free product thickness of  
1".Registered CSL Letter sent by DEC Yau to Tenth Gas Inc (address as  
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called AG Bechard for status of PIN case. PIN case assigned to AG  
John Nyhoff. Vought called Nyhoff and left message to return  
call.3/20/07-Vought-See also closed spill numbers: 8605682, 9410208,  
9410209 and 8302630(Open pin #). Vought spoke to DEC Krimgold who is  
preparing Consent Order for PBS violations and requested to add  
remedial requirements. Conference call with DEC Urda, AG Nyoff and AG  
Riggi showed that approximately 354K still owed to AG for past  
cleanup costs. Due to same ownership (Citigas) prior costs may be  
included in Consent Order. Vought submitted CAP for below  
requirements to DEC Urda. Riggi and Nyhoff also approved submission  
of Final ISR and closure of spill as any new funds spent by the DEC  
need a new PIN number since settlement already reached with old  
responsible party. Vought called Snyder, summarized consent order and  
left message to return call. 03/21/07-Vought-Left message for AG  
Nyhoff to call Vought with status of PIN. Vought and DEC Urda spoke  
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former owner of property resulting in lean of approximately 354K.  
3/26/07-Vought-Received ISR from Nyoff. Vought left message for Nyoff  
to return call with which party was found responsible (Alex Goffman  
or Westside Tripple Auto Repair).4/23/07-Final ISR submitted to DEC  
Austin for review and spill closed by Vought.

Remarks: Not reported

Material:  
Site ID: 270444  
Operable Unit ID: 894766  
Operable Unit: 01  
Material ID: 481492  
Material Code: 0009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M&L WESTSIDE AUTO REPAIR (Continued)**

**S102671142**

Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

D32  
SE  
< 1/8  
0.071 mi.  
373 ft.

**TENTH AVENUE PARTNERS, L.P.**  
**299/301 TENTH AVE**  
**NEW YORK, NY 10001**  
**Site 6 of 8 in cluster D**

**NY AST A100173257**  
**N/A**

**Relative:**  
**Higher**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-045209  
Program Type: PBS  
UTM X: 584221.57353000005  
UTM Y: 4511531.9205700001  
Expiration Date: 2015/11/20

**Actual:**  
**16 ft.**

Affiliation Records:  
Site Id: 548  
Affiliation Type: Owner  
Company Name: TENTH AVE. PARTNERS, LP % BEACH LAVE MGMT INC  
Contact Type: OWNER  
Contact Name: MARK SCHARFMAN  
Address1: 111 NORTH CENTRAL PARK AVE, SUITE 400  
Address2: Not reported  
City: HARTSDALE  
State: NY  
Zip Code: 10530  
Country Code: 001  
Phone: (914) 517-8800  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 10/28/2010

Site Id: 548  
Affiliation Type: Mail Contact  
Company Name: TENTH AVE. PARTNERS, LP % BEACH LAVE MGMT INC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 111 NORTH CENTRAL PARK AVE, SUITE 400  
Address2: Not reported  
City: HARTSDALE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TENTH AVENUE PARTNERS, L.P. (Continued)**

**A100173257**

State: NY  
Zip Code: 10530  
Country Code: 001  
Phone: (914) 517-8800  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 10/28/2010

Site Id: 548  
Affiliation Type: On-Site Operator  
Company Name: TENTH AVENUE PARTNERS, L.P.  
Contact Type: Not reported  
Contact Name: MIGUEL  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (914) 517-8888  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 10/28/2010

Site Id: 548  
Affiliation Type: Emergency Contact  
Company Name: TENTH AVE. PARTNERS, LP % BEACH LAVE MGMT INC  
Contact Type: Not reported  
Contact Name: JEFFERY CARLETON  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (347) 408-6039  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 10/28/2010

Tank Info:

Tank Number: 001  
Tank Id: 1417

Equipment Records:

H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
L09 - Piping Leak Detection - Exempt Suction Piping

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TENTH AVENUE PARTNERS, L.P. (Continued)**

**A100173257**

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
B00 - Tank External Protection - None  
G03 - Tank Secondary Containment - Vault (w/o access)  
Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 06/28/1994  
Capacity Gallons: 3000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 10/28/2010

**D33**  
**SE**  
**< 1/8**  
**0.072 mi.**  
**379 ft.**

**SERVICE STATION**  
**303 10TH AVE.**  
**MANHATTAN, NY**  
**Site 7 of 8 in cluster D**

**NY Spills S102148936**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**16 ft.**

Facility ID: 9410209  
DER Facility ID: 117721  
Facility Type: ER  
Site ID: 287377  
DEC Region: 2  
Spill Date: 10/31/1994  
Spill Number/Closed Date: 9410209 / 10/31/1994  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: TOMASELLO  
Referred To: Not reported  
Reported to Dept: 10/31/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/27/1948  
Spill Record Last Update: 12/28/2005  
Spiller Name: Not reported  
Spiller Company: ULTIMATE TRANSPORTATION  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: CALLER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SERVICE STATION (Continued)**

**S102148936**

Contact Phone: Not reported  
DEC Memo: See spill #9410208  
Remarks: Not reported

Material:  
Site ID: 287377  
Operable Unit ID: 1007966  
Operable Unit: 01  
Material ID: 569990  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**G34**  
**ESE**  
**< 1/8**  
**0.072 mi.**  
**382 ft.**

**TENTH AVE. W.28TH STREET**  
**MANHATTAN, NY**

**NY Spills S106125065**  
**N/A**

**Site 1 of 9 in cluster G**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**17 ft.**

Facility ID: 0310244  
DER Facility ID: 166935  
Facility Type: ER  
Site ID: 200598  
DEC Region: 2  
Spill Date: 12/3/2003  
Spill Number/Closed Date: 0310244 / 12/16/2003  
Spill Cause: Abandoned Drums  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: TJDME0  
Referred To: Not reported  
Reported to Dept: 12/3/2003  
CID: 444  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/3/2003  
Spill Record Last Update: 12/17/2003  
Spiller Name: WAI MAN WONG  
Spiller Company: UNKNOWN

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**S106125065**

Spiller Address: 10TH AVE.WEST 28TH STREET  
 Spiller City,St,Zip: MANHATTAN, NY  
 Spiller Company: 001  
 Contact Name: WAI MAN WONG  
 Contact Phone: (718) 595-4783  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"Drum Run12/16/03 TJDDrum emptied as part of drum run. Spill closed. See #9930008.

Remarks: found on the street, DEP checked out to find it was waste oil-

**Material:**

Site ID: 200598  
 Operable Unit ID: 877889  
 Operable Unit: 01  
 Material ID: 568438  
 Material Code: 0022  
 Material Name: Waste Oil/Used Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 20  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**G35**  
**ESE**  
 < 1/8  
 0.072 mi.  
 382 ft.

**10TH AVENUE AT**  
**WEST 28TH STREET**  
**MANHATTAN, NY**  
 Site 2 of 9 in cluster G

**NY Spills S106013989**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0301562  
 DER Facility ID: 138540  
 Facility Type: ER  
 Site ID: 164293  
 DEC Region: 2  
 Spill Date: 5/13/2003  
 Spill Number/Closed Date: 0301562 / 7/3/2003  
 Spill Cause: Abandoned Drums  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)

**Actual:**  
 17 ft.

**SWIS:**

Investigator: TJDEMEO  
 Referred To: Not reported  
 Reported to Dept: 5/13/2003  
 CID: 204  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

10TH AVENUE AT (Continued)

S106013989

Remediation Phase: 0  
Date Entered In Computer: 5/13/2003  
Spill Record Last Update: 7/3/2003  
Spiller Name: UNKNOWN  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller Company: 001  
Contact Name: CHRIS HAAS  
Contact Phone: (718) 595-4784  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"Steve Sangesland on desk dutyAdd to Drum Run list7/3/03 TJDDrum emptied as part of "Drum Run". No further action required.  
Remarks: ABANDONED DRUMS-3

Material:  
Site ID: 164293  
Operable Unit ID: 867966  
Operable Unit: 01  
Material ID: 506054  
Material Code: 0022  
Material Name: Waste Oil/Used Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

G36  
ESE  
< 1/8  
0.073 mi.  
386 ft.

10 AUTO CENTER  
3761 TENTH AVENUE  
MANHATTAN, NY  
Site 3 of 9 in cluster G

NY Spills S102148935  
N/A

Relative:  
Higher

Actual:  
17 ft.

SPILLS:  
Facility ID: 9410208  
DER Facility ID: 117721  
Facility Type: ER  
Site ID: 283995  
DEC Region: 2  
Spill Date: 10/31/1994  
Spill Number/Closed Date: 9410208 / 10/31/1994  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: TOMASELLO  
Referred To: Not reported  
Reported to Dept: 10/31/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Fire Department

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

10 AUTO CENTER (Continued)

S102148935

Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/27/1948  
Spill Record Last Update: 12/28/2005  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: CALLER  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: Not reported

Material:  
Site ID: 283995  
Operable Unit ID: 1007964  
Operable Unit: 01  
Material ID: 376078  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 25  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

G37  
ESE  
< 1/8  
0.073 mi.  
386 ft.

DRUM RUN  
WEST 28TH & 10TH AVE  
MANHATTAN, NY

NY Spills S108130377  
N/A

Site 4 of 9 in cluster G

Relative:  
Higher

SPILLS:  
Facility ID: 0606110  
DER Facility ID: 319290  
Facility Type: ER  
Site ID: 369408  
DEC Region: 2  
Spill Date: 8/28/2006  
Spill Number/Closed Date: 0606110 / 10/18/2006  
Spill Cause: Abandoned Drums  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 8/28/2006  
CID: 444

Actual:  
17 ft.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**DRUM RUN (Continued)**

**S108130377**

Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Local Agency  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 8/28/2006  
 Spill Record Last Update: 10/18/2006  
 Spiller Name: NICK LOAKNAUTH  
 Spiller Company: SIDEWALK  
 Spiller Address: WEST 28TH & 10TH AVE  
 Spiller City,St,Zip: MANHATTEN, NY  
 Spiller Company: 001  
 Contact Name: NICK LOAKNAUTH  
 Contact Phone: (718) 595-7244  
 DEC Memo: 10/18/06 Rahman- Drum was found on 10/17/06, was pumped out, NYC sanitation was faxed the list to pick up the empty drum.  
 Remarks: 1 DRUM ON SIDEWALK

**Material:**

Site ID: 369408  
 Operable Unit ID: 1127245  
 Operable Unit: 01  
 Material ID: 2116836  
 Material Code: 0022  
 Material Name: Waste Oil/Used Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

**Tank Test:**

**G38**  
**ESE**  
**< 1/8**  
**0.073 mi.**  
**386 ft.**

**SERVICE BOX # 05231**  
**WEST 28TH & 10TH AVE**  
**MANHATTAN, NY**  
**Site 5 of 9 in cluster G**

**NY Spills S106968442**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0502649  
 DER Facility ID: 293342  
 Facility Type: ER  
 Site ID: 347052  
 DEC Region: 2  
 Spill Date: 6/6/2005  
 Spill Number/Closed Date: 0502649 / 3/20/2008  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 2401

**Actual:**  
**17 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SERVICE BOX # 05231 (Continued)**

**S106968442**

Investigator: GDBREEN  
Referred To: Not reported  
Reported to Dept: 6/6/2005  
CID: 444  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/6/2005  
Spill Record Last Update: 3/20/2008  
Spiller Name: Not reported  
Spiller Company: UNKNOWN AT THIS TIME  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: ERT DESK MIKE DAUGHTERY  
Contact Phone: (212) 580-8383  
DEC Memo: 03/20/08 - See eDocs for Con Ed report detailing cleanup and closure.158962. June 06, 2005 @ 09:00 @ 08:45 UG Supervisor S. Falkowski reported to T. Haynes that, UG Splicer Carmen Cabbell #20479 was pumping out service box 5231, located at 517 W 28 St. She noticed oil being pump out also. The oil didn't leak into the City drain. She had placed absorbent pads on the asphalt to absorb the oil. The oil in the service box is contained. Approximately 1 pint of oil and 20 gallons of water in total less than .05 was pumped onto the street. Incident occurred at 08:40. Acct. 12018No sewer/waterways affected. No fire/smoke involved. No injuries related to the spill. Weather condition did not contribute to the spill. No private property affected. Spill on concrete and asphalt. Clean-up is set-up for 15:00 06-06-2005. No, sewer connection. No concrete sump. No visual water movement. No sump pump. Yes, standing water. Environmental tag #17086 Two samples taken 1-pcb 1-oil id. Chain of custody #dd 04443. Logger: T. HaynesCIG: M. Piropato #18699 notified @ 09:44  
Remarks: Employee PUMPED OIL OUT: NO TO 5 QUESTIIONS: PADS WERE PLACED DOWN: ALL CONTAINED: LESS THEN 1 PINT; 158962

Material:  
Site ID: 347052  
Operable Unit ID: 1104799  
Operable Unit: 01  
Material ID: 1262129  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SERVICE BOX # 05231 (Continued)**

**S106968442**

Tank Test:

**D39**  
**SE**  
**< 1/8**  
**0.076 mi.**  
**402 ft.**

**291 10TH AVENUE / NEW YOR**  
**291 10TH AVENUE**  
**MANHATTAN, NY**

**NY Spills** **S103560203**  
**N/A**

**Site 8 of 8 in cluster D**

**Relative:**  
**Higher**

**Actual:**  
**15 ft.**

**SPILLS:**

Facility ID: 8701549  
DER Facility ID: 116814  
Facility Type: ER  
Site ID: 136511  
DEC Region: 2  
Spill Date: 5/21/1987  
Spill Number/Closed Date: 8701549 / 1/11/2013  
Spill Cause: Other  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:**

Investigator: VXBREVD0  
Referred To: NO FILE  
Reported to Dept: 5/26/1987  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/26/1987  
Spill Record Last Update: 1/11/2013  
Spiller Name: Not reported  
Spiller Company: TEXACO  
Spiller Address: 26TH STREET & 10TH AVENUE  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SUN"1/2/2004 Reassigned from Tomasello to Sun.12/16/2005 - Feng - Reassigned from Sun to Feng as per Sun. (RJF)01/11/2013 - V. BrevdoNo information and/or data is available to either confirm impacts from this spill or enable the Department to pursue this spill case which is 25 years old. Appropriate to close. Spill case closed effective January 11, 2013. V. Brevdo

Remarks:

HOLE IN CEMENT PIPES. LEAKS WHEN THEY GET A GAS DELIVERY FROM UNDER-GROUND PIPING.

**Material:**

Site ID: 136511  
Operable Unit ID: 906024  
Operable Unit: 01  
Material ID: 471479

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

291 10TH AVENUE / NEW YOR (Continued)

S103560203

Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

H40  
NW  
< 1/8  
0.079 mi.  
416 ft.

CONTMINATION SB-3 AVALON WEST CHELSEA LLC  
282 11TH AVE  
NEW YORK, NY  
Site 1 of 21 in cluster H

NY Spills S112147761  
N/A

Relative:  
Lower

SPILLS:

Facility ID: 1203712  
DER Facility ID: 420885  
Facility Type: ER  
Site ID: 466552  
DEC Region: 2  
Spill Date: 7/17/2012  
Spill Number/Closed Date: 1203712 / 7/17/2012  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Actual:  
10 ft.

SWIS: 3101  
Investigator: AAOBLIGA  
Referred To: Not reported  
Reported to Dept: 7/17/2012  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/17/2012  
Spill Record Last Update: 7/31/2012  
Spiller Name: Not reported  
Spiller Company: SB-3AVALON WEST CHELSEA LLC  
Spiller Address: 282 11TH AVE  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 999  
Contact Name: RAHUL BAHTIA  
Contact Phone: 212675-3225  
DEC Memo: 7-31-12 - Obligado - closed and consolidated with 0700587.  
Remarks: soil borings confirm CONATMINATION SB-3

Material:

Site ID: 466552

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONTMINATION SB-3 AVALON WEST CHELSEA LLC (Continued)**

**S112147761**

Operable Unit ID: 1216540  
 Operable Unit: 01  
 Material ID: 2214738  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Not reported  
 Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: False  
 Site ID: 466552  
 Operable Unit ID: 1216540  
 Operable Unit: 01  
 Material ID: 2214739  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Not reported  
 Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**H41**  
**NW**  
**< 1/8**  
**0.079 mi.**  
**416 ft.**

**CONSTRUCTION SITE BORING SD-4**  
**282 11TH AVE**  
**NEW YORK, NY**  
**Site 2 of 21 in cluster H**

**NY Spills S112147776**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

**Actual:**  
**10 ft.**

Facility ID: 1203731  
 DER Facility ID: 420885  
 Facility Type: ER  
 Site ID: 466571  
 DEC Region: 2  
 Spill Date: 7/17/2012  
 Spill Number/Closed Date: 1203731 / 7/31/2012  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: AAOBLIGA  
 Referred To: Not reported  
 Reported to Dept: 7/17/2012  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE BORING SD-4 (Continued)**

**S112147776**

Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/17/2012  
Spill Record Last Update: 7/31/2012  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: RAHUL BHATIA  
Contact Phone: (212)6753225  
DEC Memo: 7-31-12 - Obligado - closed and consolidated with 0700587.  
Remarks: cleanup pending

Material:  
Site ID: 466571  
Operable Unit ID: 1216559  
Operable Unit: 01  
Material ID: 2214761  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**H42**  
**NW**  
**< 1/8**  
**0.079 mi.**  
**416 ft.**

**PARKING GARAGE**  
**282-296 11TH AVE**  
**NEW YORK, NY**  
**Site 3 of 21 in cluster H**

**NY Spills S108057815**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**  
Facility ID: 0603351  
DER Facility ID: 316138  
Facility Type: ER  
Site ID: 366053  
DEC Region: 2  
Spill Date: 6/27/2006  
Spill Number/Closed Date: 0603351 / 9/11/2007  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
**SWIS:**  
Investigator: 3101  
Referred To: hrpatel  
Reported to Dept: Not reported  
Reported to Dept: 6/27/2006  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other

**Actual:**  
**10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PARKING GARAGE (Continued)**

**S108057815**

Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/27/2006  
Spill Record Last Update: 9/11/2007  
Spiller Name: JEFF BOHLEN  
Spiller Company: PARKING GARAGE  
Spiller Address: 282-296 11TH AVE  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: JEFF BOHLEN  
Contact Phone: (631) 471-1500  
DEC Memo: 7/14/06 - Raphael Ketani. The contaminated soil was found on 6/27. I tried calling Jeff Bohlen of Envirotrac (631) 471-1500, but could only leave a message. 7/18/06 - Raphael Ketani. I could only leave a voice message. 7/19/06 - Raphael Ketani. Jeff of Envirotrak called to say that they are preparing the phase I and II report for DEC. There is a tank field with 8 USTs and another with 3 USTs. There is soil and groundwater contamination. They are negotiating with the owner to remove the tanks. However, one set of tanks can't be removed and will be abandoned in place as it is under the lift that brings the cars to the upper floors of the garage. 8/7/06 - Raphael Ketani. Today, I received the July 21, 2006 Phase II Environmental Site Assessment Report from Envirotrac (631) 471-1500. Soil samples with exceedences of the TAGM are GP-1 (SVOCs only), and GP-2 (total xylenes). Groundwater samples with TAGM exceedences are GP-4 (many VOCs), GP-5 (many VOCs), and GW-1 (only MTBE). They recommend removing the 8 USTs, the soil, and the groundwater. The report didn't have a site map showing where the borings were done. They, also, don't mention whether they checked the areas of the remote fills or the pump islands for contamination. They need to do borings and sampling in these areas. They need to revise their PBS record if they remove or abandon in place the tanks. As the phase II investigation found gasoline contamination of groundwater, I am transferring the case to Koon Tang. 8/21/06 - Mr. Jeff Bohlen from Envirotra, 613-471-1500. They will tell the RP that DEC requires full delineation of contaminated soil and GW. The source of the spill has not been characterized. He mentioned that teh tanks are still in the ground, abandoned with water/oil mixture in them. Don't know if there is contaminated soil around the tank or pipings acting as a source to contaminate the GW. Told Envirotra to send in a RI report so I can prioritize the spill. - KST10/18/06 - (KST) reviewed the Phase 2 and provided the following comments to ENvirotrac. Comments on the Phase 2 Report: 1) The write-up should provide more detailed discussion on the results. Need to know the depth of each soil samples, depth to groundwater, some discussion of the site geology. Are the USTs actively used? If not, what happened to the dispensers and fill port? 2) Data gap at the fuel dispensers and along the fill port and fill lines of the USTs. Should have taken soil and groundwater samples along these possible release points. 3) Detection limits (DL) should have been reported on the data summary table. Without the DL, DEC can not tell if the non-detected (ND) is below the regulatory guidance numbers or the lab instrument was masked to see the contamination. Looks like many of the soil samples could have VOCs

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PARKING GARAGE (Continued)**

**S108057815**

Remarks: over the TAGM numbers based on the lab reported DL.4) Need boring logs describing the lithology as well as visible/olfactory observation. Based on the data in the report, the level of contamination is low and your recommendation of USTs removal and end-point samples is an acceptable means to ascertain if further remedial work is needed. Pls revise the report to address all the comments above and proceed with the tanks removal. 09/11/07-Hiralkumar Patel. another spill reported at site. case closed. will be investigated under new spill number. refer spill #: 0700587.  
 FOR A REAL ESTATE TRANSACTION DID BORINGS AND FOUND SOME CONTAMINATION:

Material:  
 Site ID: 366053  
 Operable Unit ID: 1124015  
 Operable Unit: 01  
 Material ID: 2113494  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

H43  
 NW  
 < 1/8  
 0.079 mi.  
 416 ft.

**CONSTRUCTION SITE**  
**282 11TH AVE**  
**NEW YORK, NY**  
**Site 4 of 21 in cluster H**

**NY Spills S112147736**  
**N/A**

**Relative:**  
**Lower**

SPILLS:  
 Facility ID: 1203680  
 DER Facility ID: 420885  
 Facility Type: ER  
 Site ID: 466518  
 DEC Region: 2  
 Spill Date: 7/16/2012  
 Spill Number/Closed Date: 1203680 / 7/31/2012  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: AAOBLIGA  
 Referred To: Not reported  
 Reported to Dept: 7/16/2012  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported

**Actual:**  
**10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE (Continued)**

**S112147736**

Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/16/2012  
Spill Record Last Update: 7/31/2012  
Spiller Name: Not reported  
Spiller Company: AVALON WEST CHELSEA LLC  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: RAHUL PHITIA  
Contact Phone: 2126753225  
DEC Memo: Petro7-31-12 - Obligado - closed and consolidated with 0700587.  
Remarks: Impacted soil from a probe sample. Soil Boring Area "SB-1"

Material:  
Site ID: 466518  
Operable Unit ID: 1216507  
Operable Unit: 01  
Material ID: 2214703  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**H44  
NW  
< 1/8  
0.079 mi.  
419 ft.**

**CON ED  
W. 28TH AND 11TH AVE  
MANHATTAN, NY  
Site 5 of 21 in cluster H**

**NY Spills S106126778  
N/A**

**Relative:  
Lower**

SPILLS:  
Facility ID: 0310177  
DER Facility ID: 73663  
Facility Type: ER  
Site ID: 79239  
DEC Region: 2  
Spill Date: 12/1/2003  
Spill Number/Closed Date: 0310177 / 2/3/2004  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS:  
Investigator: 3101  
Referred To: AERODRIG  
Reported to Dept: Not reported  
CID: 12/1/2003  
Water Affected: 404  
Spill Source: Not reported  
Spill Notifier: Commercial/Industrial  
Local Agency

**Actual:  
10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON ED (Continued)**

**S106126778**

Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: Not reported  
Spill Record Last Update: 2/3/2004  
Spiller Name: Not reported  
Spiller Company: VENDORS TRUCK  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: EMERGENCY RESPONSE TEAM  
Contact Phone: (212) 580-8383  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was

"RODRIGUEZ"E2MIS 151323On 12/1/03 at 17:25 W. Zuk # 85848 of W. 28 st transportation reports a spill of gasoline.He states that at 17:15 1 qt. of gasoline spilled from the back of a contractors vehicle (Transclean) onto the ground. This was near a 3' square drain that previously had a baricaides (a board with rubber seal that was provided by Transclean) around it. However about 8 oz has leaked past & into the drain.Additional diapers were put down around the drain. The spill has stopped at this time. He also says that in this 3' drain there is about 60 gallons of water.Wilson Renalds of Clean Harbors will have a truck & crew to drain & clean the liquid that is still in the drain. They should be on location at 8 pm.There was no fire or smoke involved. No private property was affected. No injuries were related to the spill. Weather conditions do not contribute to the hazard of the spill.Update 12/12/03Cleanup completed by Clean Harbors on 12/01/03 @ 2230.

Remarks: 8 oz of gasoline leaked from a box truck into the sewer but it is now contained and no more is leaking out.

Material:

Site ID: 79239  
Operable Unit ID: 875266  
Operable Unit: 01  
Material ID: 499107  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**H45  
NW  
< 1/8  
0.079 mi.  
419 ft.**

**VAULT 0853  
W 28TH ST & 11TH AVE  
MANHATTAN, NY  
Site 6 of 21 in cluster H**

**NY Spills S106010776  
N/A**

**Relative:  
Lower**

**SPILLS:**

Facility ID: 0210471  
DER Facility ID: 65101  
Facility Type: ER  
Site ID: 68310  
DEC Region: 2  
Spill Date: 1/17/2003  
Spill Number/Closed Date: 0210471 / 9/29/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
10 ft.**

**SWIS:**

Investigator: KMFOLEY  
Referred To: Not reported  
Reported to Dept: 1/17/2003  
CID: 257  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/17/2003  
Spill Record Last Update: 9/29/2003  
Spiller Name: CHARLIE MCCARTHY  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY 10003  
Spiller Company: 001  
Contact Name: KEVIN MCARDLE  
Contact Phone: (212) 580-6763  
DEC Memo:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"Con Ed e2mis #146784:1/17/2003 @ 11:40At 11:15 Reiter # 27277 of I&A reported to me that while doing switch repairs he discovered in V-853 approx 5 gallons of dielectric fluid in the structure as the result of a Bottom Leak. He was working on Feeder 13M53. The location is at 628 W.28 st & 11 Av. No fire/smoke was involved, no injuries, weather did not contribute, No private property was affected. No substantial cracks observed, no sump verified, no sewer connection as per Conduit plate # 22-C-3. There is Dielectric filled equipment in the structure. The source of the spil is the Tranformer and the cause is a Bottom leak. Environmental tag # 18352 was hung. Two samples for PCB and ID will be taken and courier called for pickup. Chain of Custody # BB 04312 will be used for this incident. Baloneys and absorbent pads placed around the Transformer and contained the spill. The Feeder is being requested taken out of service OOE / 2 to schedule cleanup. Equipment is a Westinghouse year 1961 with Serial # 2200389 with a capacity of 290 gallons and 13 PPM as per "Cindy". It is a Class v-4 and 500 KVa.1/17/2003 @ 12:27 hrsI spoke to Shift Manager M Barry in the Manhattan Control Center and he informed me

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

VAULT 0853 (Continued)

S106010776

that as of now due to contingencies on this network, this Feeder 13M53 can not be scheduled at this time to be taken out of service. Analysis indicates the presence of a substance similar to a dielectric fluid. UPDATE 1/17/03 Lab Sequence Number: 03-00483-001 Date Approved: 1/17/2003 E2 Incident Number: 146784 Date Received: 1/17/2003 Chain of Custody ID: BB04312 Date Sampled: 1/17/2003 MATRIX: OIL GRAB LOCATION: 628-58 W. 28 ST STRUCTURE: VAULT 853 FEEDER ID: 13M53 EQUIPMENT: TRANSFORMER SERIAL #: QC ID: 06-200301162217 TEST DESCRIPTION RESULT UNIT METHOD Aroclor 1242 < 1.0 ppm EPA 608/8082 Aroclor 1254 < 1.0 ppm EPA 608/8082 Aroclor 1248 < 1.0 ppm EPA 608/8082 Aroclor 1260 11.3 ppm EPA 608/8082 TOTAL PCB 11 ppm Transformer removed and replaced on 4/18/03 ..... Zoeller, 119404/17/03 21:20 V. Mirance # 58484 cable/cleanup supervisor called to report that the cleanup was completed at 21:15. All debris & liquid was removed by the flush truck. The structure was double washed with slix & rinsed down with the flush truck. The spill tag # 18352 was removed. The cleanup crew was: J. Bauer # 03431, R. Laroza # 12108, M. Pelusio # 87327, R. Barger # 14903.

Remarks: cleanup pending power being turned off ref #146784

Material:  
Site ID: 68310  
Operable Unit ID: 863906  
Operable Unit: 01  
Material ID: 513854  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

H46  
NW  
< 1/8  
0.079 mi.  
419 ft.

WORKING PARKING LOT  
282 11TH AVE  
NEW YORK CITY, NY  
Site 7 of 21 in cluster H

NY Spills S108636200  
N/A

Relative:  
Lower

SPILLS:  
Facility ID: 0700587  
DER Facility ID: 329437  
Facility Type: ER  
Site ID: 379949  
DEC Region: 2  
Spill Date: 4/16/2007  
Spill Number/Closed Date: 0700587 / Not Closed  
Spill Cause: Unknown  
Spill Class: Not reported  
SWIS: 3101  
Investigator: AAOBLIGA  
Referred To: 5/24/12 - WELL SAMPLING WITHIN 30 DAYS  
Reported to Dept: 4/16/2007

Actual:  
10 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKING PARKING LOT (Continued)**

**S108636200**

CID: 408  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 1  
Date Entered In Computer: 4/16/2007  
Spill Record Last Update: 2/4/2013  
Spiller Name: Not reported  
Spiller Company: NOT AVAILABLE  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: MOHAMAD AHMED  
Contact Phone: (212) 675-3225  
DEC Memo: 04/17/07-Vought-Off hours responder. Vought called Carroll (212-675-3225 fax 212-675-3224) and soil boring was being performed for E designation. Unsure of tank size. DEP contact is Mohammed Ahmed (212-675-3225). Site is going to be mixed commercial and residential. Spill will be remediated via excavation for building. Proposed development will include 400sq ft below grade parking spaces. No soil sample analyticals but strong gasoline odors and free phase product in soil. Sheen on groundwater in one boring. Groundwater depth at 11'. Dewatering will most likely take place and DEP sewer permit will be required. Report will be submitted within two months. Buildings are still onsite. Carroll will call back Vought with current and former owner of USTs. Upon reception of owner information Vought will send out soil contamination letter with below requirements. DEC requires: 1)copies of everything 2)regular intermittent sampling of groundwater 3)moisture barrier or vapor barrier description 3)delineation soil and groundwater 4)updating of PBS registration to show that tanks are temporarily out of service 5)cc and call to DEP Ahmed.8/3/07 - Austin - Transferred from Vought to Patel for further review and action - end08/27/07-Hiralkumar Patel. visited site. site lot is divided into two different areas. site area along 11th ave is occupied by parking lot and remaining half portion of site along W 28th Street is occupied by autobody shop.spoke with Moe (212-502-4236) at parking lot. he doesn't have any UST and doesn't have any knowledge of any tanks. spoke with Sam Garcia, owner of autobody shop who has sub-leased this property from Kaz Systems, Inc. as per Mr. Garcia, he is unaware of any underground tanks on-site. he is using two aboveground tanks for waste oil.Sam GarciaComplete Automotive ServicePh. (212) 691-0200Fax 9212) 967-7383Kaz Systems, Inc.1683 Lexington Avenue, Suite # 101New York, NY 10029Ph. (212) 831-6905Fax (212) 828-6373spoke with Mr. Carroll. asked him to submit report and owner's information.found PBS record. PBS #: 2-350281. as per PBS record, site has eight 550 gal USTs, temporarily out of service. alternate site addresses: 282-292 11 Ave, 282-288 11 Ave, 298 11 Ave, 552 W 29 St, 553 W 28 ST, 560 W 29 St09/05/07-Hiralkumar Patel. spoke with Mr. Carroll. he just got approval from his client to release the report. he will send report by end of this week.09/11/07-Hiralkumar Patel. received email from Mr. Carroll containing copy of investigation report. he mentioned another spill # (0603351), which

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WORKING PARKING LOT (Continued)

S108636200

is assigned to DEC Tang in remediation, was reported as found groundwater contaminated during Phase II investigation in July 2006. \*\*\*\*\*abstract of Phase II report, done in July 2006:- investigation done by Envirotrac- based on Phase I done in Dec. 2005, Envirotrac did Phase II- collected soil samples from six temporary boring locations and groundwater samples from three temporary boring locations- at each soil borings, continuous soil samples were collected from surface grade to maximum depth of approx. 12 ft bg <----- (report doesn't include exact depth of each sample)- site has two UST fields: one consists 8 out-of-service USTs and another has 3 out-of-service USTs- all 11 tanks are 550 gal tanks- field screening shows site has fill material from grade to depth of 5 ft bg- found only Xylene (1,493 ppb) in GP-2 <----- found groundwater contaminated-----GP-4-----GW-1Ethylbenzene-----218Xylene-----1771,3,5-Trimethylbenzene--1371,2,4-Trimethylbenzene--229Naphthalene-----113MTBE-----1,470groundwater sample GP-4 was taken at 13 ft bg (groundwater table at 10 ft) and GP-5 was taken at 14 ft bg (groundwater table at 10 ft), both samples were taken deeper than water table. \*\*\*\*\*abstract of investigation report, done in Sep. 2007:- Fleming-Lee Shue did investigation- site has "e" designation <----- site is currently developed with two parking lots and two buildings- both parking lots have aboveground hydraulic lift systems- a one-story building, located at the corner of 11th ave and 29th street, is used as an auto repair shop <----- another one-story building, located between two parking lots with an entrance on 28th street, is used for a combination of auto repair and finishing, including painting and detailing <----- site would be developed as residential <----- based on topography and proximity to the Hudson river, anticipated groundwater flow is to the west- groundwater was observed to vary from 6 to 12.5 ft bg, with an average depth of approx. 10.25 ft bg- site has 11 550-gal gasoline USTs, all are out-of-service- eight 550 gal gasoline tanks, which are located in northern portion of parking lot, are registered (PBS #: 2-350281) <----- three 550 gal gasoline tanks, which are located in southeastern portion of parking lot, are not registered <----- soil samples were collected from total of 14 borings (SB-11 through SB-24)- groundwater samples were collected at 7 of 14 boring locations (SB-11,12,14,18,19,20 & 24)- soil borings were installed to depths ranging 12 to 16 ft bg- two soil samples were collected from each borings: one at the surface between grade and 2 ft bg and one based on field screening (highest PID or directly above groundwater interface or directly above depth of refusal)- most of the soil at the site is urban fill material, extending to depths ranging from 4 to 16 ft bg. fill consisted of mixtures of brick, concrete, ASH, cinders, wood and gravel in matrix of silty sand <----- found about four SVOC compounds in almost all soil samples (may be due to ash in fill material)- found xylene contamination (10,000 ppb) in soil sample from boring SB-16 at depth of 9-11 ft bg <----- found groundwater contaminated-----SB-12-----SB-14-----SB-18-----SB-20-----SB-24Benzene-----110-----497MTBE-----118-----228-----1,040\*\*\*\*\*  
\*\*\*\*\*NO INVESTIGATION HAS DONE ALONG UNDERGROUND LINES ASSOCIATED WITH OUT-OF-SERVICE GASOLINE TANKS, AT DISPENSER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKING PARKING LOT (Continued)**

**S108636200**

ISLANDS AND AT OLD FILL PORTS <-----spoke with Jeff at Envirotrac. asked him to submit Phase I report, done in Dec. 2005. also asked him to submit depth of soil samples taken during Phase II in July 2006. received phase I report. during Phase I, found 275 gal waste oil AST and parts washer was observed along the north side of the repair bay area. no staining or floor drains observed near waste oil AST or part washer area. <-----left message for Roy Bernstein (212-757-5531), property owner. received call from Mr. Bernstein. he mentioned that he has leased this property to AvalonBay, who will develop a residential complex at site. Mr. Bernstein has hired Envirotrac and AvalonBay has hired Fleming-Lee Shue for environmental work. Valeray Real Estate Co, Inc. \*\*property owner\*\* C/O Roy J. Bernstein 666 5th Avenue, 14th Floor New York, NY 10103 Ph. (212) 757-5531 (O) (917) 667-2293 (C) Fax (212) 582-0176 email: royjbernstein@aol.com Jeff Bohlen \*\*owner's consultant\*\* EnviroTrac Ltd. Ph. (631) 924-3001 Fax (631) 924-5001 AvalonBay Communities, Inc. \*\*future tenant\*\* 275 7th Avenue, 25th Floor NY, NY 10001 Attn.: Tom Javits Ph. (212) 309-1601 Fax (212) 370-1415 Mohamed Ahmed \*\*future tenant's consultant\*\* Fleming-Lee Shue, Inc. Ph. (212) 675-3225 (O) (917) 612-6018 (C) Fax (212) 675-3224 email: Mohamed@flemingleeshue.com mold spill #: 0603351 has closed and will be investigated under this case. <-----09/13/07-Hiralkumar Patel. sent letter to Mr. Bernstein and Mr. Javits requiring complete soil/groundwater delineation around entire tank systems, surrounding area site map with locations of all tanks, dispenser islands, fill ports etc, registration of three USTs and one used oil AST, submission of RAP including monthly monitoring and quarterly sampling of groundwater (as construction will start around Sep. 08), endpoint samples, vapor barrier, possible SSDS and CAMP. letter faxed to Mr. Bernstein, Mr. Javits, Mr. Heath at DEP, Jeff and Mr. Ahmed. 09/14/07-Hiralkumar Patel. received message from Mr. Ahmed. left message for Mr. Ahmed. received call from Mr. Ahmed. he mentioned that delineation work has done. explain him that three out of four wells, where found groundwater contaminated, are located on property boundary and to define area of contamination, the department requires further delineation on-site as well as off-site. also the department requires delineation at fill ports, dispenser island and any other area of concern (hydraulic tank, drain etc.). he was mentioning that all this work will be done during construction at site. told Mr. Ahmed that investigation must be done, according to letter, in specified deadline. Mr. Ahmed wants to discuss further about sampling locations. he will send scaled site map with locations of all samples (current and previous), tanks, dispenser islands, remote fill ports, drains, hydraulic lifts etc. Mr. Ahmed will send site map next week. 09/27/07-Hiralkumar Patel. received email from Bill from Fleeming Lee Shue with proposed well locations. Mr. Ahmed proposed total of four wells on sidewalk (two on 11th ave, one on W 28th St and one on W 29th St). sent email with changes in proposed well locations. asked him to install wells in each area of concern (previous borings SB-12, SB-14, SB-18, SB-20 & SB-24), according to DER-10. also asked to include sampling points along old supply/return lines, fill lines, fill ports etc. asked Mr. Ahmed to submit work plan by Oct. 5, 2007. spoke with Mr. Ahmed. he mentioned that during development, entire site will be excavated down to 10 ft below water table, as part of sub-basement. 10/04/07-Hiralkumar Patel. received message from Mr. Ahmed. he has prepared work plan for further delineation and has sent to owner's consultant for review. he will

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKING PARKING LOT (Continued)**

**S108636200**

send work plan by Tuesday 10/09/07.10/09/07-Hiralkumar Patel. received work plan for groundwater delineation. will install six monitoring wells (three in each area of previous tanks)10/16/07-Hiralkumar Patel. sent email to Mr. Ahmed with approval of submitted work plan.11/21/07-Hiralkumar Patel. received message from Mr. Ahmed stating that they having some trouble getting access to property for well installation. spoke with Mr. Ahmed. they got permit to install well on sidewalk but having hard time getting access into site. asked him to provide tenant's contact info.11/28/07-Hiralkumar Patel. received message from Mr. Ahmed. spoke with Mr. Ahmed. he asked to call Ali. spoke with Ali, tenant renting property from Mr. Bernstein. he is running parking lot in corner of 11th ave and W 28th street and has subleased corner at 11th ave and W 29th street to garage operator. Ali mentioned that he never used tanks which are in ground and didn't knew about it. as existing USTs belongs to site owner, Ali asked for compensation for a week as he need to close his business for week for monitoring well installation work. as Ali not getting any compensation, he refused access to site.Ali Yaghoubi \*\*current tenant\*\*Kaz Systems Inc.1683 Lexington AvenueSuite # 101New York, NY 10029Ph. (212) 831-8300 (917) 217-4843Fax (212) 828-6373email: comprop3@aol.comLaurance Kalik \*\*current tenant's attorney\*\*Herzfeld & RubinPh. (212) 471-8545Fax (212) 232-6645left message for Mr. Bernstein. received call from Mr. Bernstein. he will talk to tenant and will schedule work. asked Mr. Bernstein to submit delineation report by Dec. 31, 2007.12/05/07-Hiralkumar Patel. received call from Mr. Ahmed asking help getting access to site. also spoke with Roberta Gordos, attorney representing Avalon Bay. as per Ms. Gordos, Avalon Bay is now ground leasee and will do all required work. Ms. Gordos asked for help from the Department getting access to the site. Roberta Gordas \*\*Avalon Bay's attorney\*\*Ph. (212) 541-2076discussed with DEC Urda. he spoke with Mr. Berstein. Mr. Berstein confirmed that Avalon Bay is ground leasee and now has right to enter. Urda will send letter to Mr. Yaghoubi.12/14/07-Hiralkumar Patel. DEC Urda sent letter to Ali requiring access to the site.12/18/07-Hiralkumar Patel. received message from Jessica Tofi, attorney representing Mr. Yaghoubi. spoke with Jessica with DEC Urda. they are currently negotiating with property owner. she asked what needs to be done at site. explained her that without reviewing groundwater delineation report (as required), the department can't comment on possible remediation at site. asked her to submit groundwater delineation report by Jan. 15, 2008.Jessica Tofi \*\*current tenant's attorney\*\*Law office of Borah GoldsteinPH. (212) 965-2614 (O) (646) 436-5996 (C)email: jtofi@borahgoldstein.com12/19/07-Hiralkumar Patel. sent email to Ms. Tofi with copy of Phase I, Phase II and remedial investigation report.left message for Collista Nazaire at NYC DEP. asked her to provide project manager's information in DEP who is handling this "e" designated site.Collista NazairePh. (718) 595-4401Fax (718) 595-4479email: cnazaire@dep.nyc.govreceived call from Ms. Nazaire. she mentioned that DEP hasn't received any application for redevelopment, so not working on-site.sent email to Gary Heath with all available reports and copy of all correspondance, for their record, with information of all involved parties.01/17/08-Hiralkumar Patel. spoke with Mr. Ahmed. currently owner and tenant are in court fighting for access. once access agreement get signed, Mr. Ahmed will apply for sidewalk permit and will submit work schedule.02/08/08-Hiralkumar Patel. left message for Mr. Ahmed.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKING PARKING LOT (Continued)**

**S108636200**

received call from Mr. Ahmed. owner and tenant just reached an agreement and will sign agreement by end of Feb. 2008. Mr. Ahmed will do well installation after that in Mar. 2008.03/06/08-Hiralkumar Patel. received message from Mr. Ahmed. they installed six monitoring wells at site. will do monitoring for free product.sent email to Mr. Ahmed. asked him for groundwater samples also alongwith soil samples during well installation. also asked for product sample, if found free product in any well.received call from Mr. Ahmed. he mentioned that as per their proposed work plan, they had only planned to monitor wells for any free product and not planned to collect any water samples. will monitor wells untill site remediation begins during proposed site development.after reviewing work plan, spoke with Mr. Ahmed. asked him to take one groundwater sample from each of upgradient well in two sets (one set in corner of 11th ave & W 28th st and second set in corner of 11th ave & W 29th st). Mr. Ahmed mentioned that after defining groundwater flow direction, will take water samples from upgradient wells.03/31/08-Hiralkumar Patel. received well installation and gauging report. abstract:- six monitoring wells installed- soil sample with highest PID or just above water table were collected during each well installation- wells were installed to depths of between 16 to 18 ft bgs and were constructed with ten ft of 2 inch dia. PVC screen- during well installation, 10 ppm PID were observed in soil samples collected at 7 to 9 ft bgs- petroleum odors observed in soil samples collected at 7 to 9 ft bg- no free- phase product observed on groundwater surface in any well- will continue to monitor wells monthly for the presence and possible volume of free-phase product- will do well survey to define groundwater flow direction and based on flow direction, will collect groundwater sample from most upgradient well04/23/08-Hiralkumar Patel. sent email to Mr. Ahmed requiring submission of schedule for well survey and groundwater sampling from upgradient wells.05/14/08-Hiralkumar Patel. received monitoring well gauging/sampling report. during well gauging, found groundwater flowing into west direction. based on groundwater flow direction, they collected sample from one upgradient well MW-1 and found MTBE contamination (187 ppb) in groundwater. no sample collected from well MW-6 which is upgradient from second set of wells located in corner of 11th ave and W 29th street. during previous study, highest contamination was found in boring SB-20 which is located near tank field in corner of 11th ave and W 28th street and recent upgradient groundwater sample from that end showed little contamination.will gauge wells for any free product.based on submitted report, the department will wait for complete remediation that will occur during site redevelopment.06/11/08-Hiralkumar Patel. received monitoring well gauging report. wells MW-1 through MW-6 were gauged on 05/12/08. no product found in any wells.06/20/08-Hiralkumar Patel. received monitoring well gauging report. wells MW-1 through MW-6 were gauged on 06/12/08. no product found in any wells.07/30/08-Hiralkumar Patel. received well gauging report for July 08. no free product measured in any wells.09/11/08-Hiralkumar Patel. received well gauging report for Aug 08. no free product measured in any wells.spoke with Mr. Bernstein, property owner. he mentioned that tenants has left the site. and Avalon Bay is in process of redevelopment.left message for Mr. Javits at Avalon Bay, new leasee.09/12/08-Hiralkumar Patel. received message from Mr. Javits.spoke with Mr. Javits. Mr. Javits mentioned that all tenants have left the site and they have applied for permit for demolition of existing building. they are expecting to

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKING PARKING LOT (Continued)**

**S108636200**

demolish all building in Jan./Feb. 2009 and from spring 2009 they will start excavation of the site. asked Mr. Javits to submit updates monthly. 11/20/08-Hiralkumar Patel. received remedial action work plan from Fleming lee shue. abstract:- petroleum contaminated soil will be excavated down to the depth of the proposed building foundation which, at approx. 12 to 15 ft bg, is below the groundwater table- post excavation soil samples will be collected- vapor barrier will be installed beneath the foundation and along the below-grade portion of the foundation walls- building sub-grade will be below the groundwater table, consequently, waterproofing will be necessary and a sub-slab depressurizing system is infeasible- petroleum-contaminated groundwater will be treated by using the ORC- will submit remedial action report and alongwith it will include a work plan to sample the groundwater monitoring wells; groundwater will be sampled quarterly for two years and analyzed for VOCs (no SVOCs) and for natural attenuation parameters spoke with Mr. Ahmed at Fleming lee-shue regarding ORC application and dewatering. Mr. Ahmed mentioned that during excavation for foundation, they will excavate below water table and will dewater the area. will collect contaminated water and treat on-site under dewatering permit from DEP (not received yet). once they reach to bottom of proposed excavation, then will apply ORC (dry or slurry) on soil and will install vapor barrier. asked Mr. Ahmed to submit dewatering plan. Dan Cole \*\*DEP case manager for e-designation\*\* NYC DEP Ph. (718) 595-4536 email: dcole@dep.nyc.gov 11/21/08-Hiralkumar Patel. received email from Fleming lee shue with copy of Nov. 2008 well monitoring well gauging report. no free product found in any wells. 12/22/08-Hiralkumar Patel. received monitoring well gauging report for Dec. 2008. no free product found in any wells during gauging on 12/19/08. 02/13/09-Hiralkumar Patel. received monitoring well gauging report for Feb. 2009. no free product found in any wells. 02/24/09-Hiralkumar Patel. spoke with Mr. Ahmed. he mentioned that due to financial problem, owner is planning to start project by end of 2009. Mr. Ahmed requested to decrease frequency of well gauging. based on earlier gauging reports, approved his request and asked him to gauge wells quarterly. spoke with Mr. Javits at Avalon Bay. informed him about quarterly monitoring. Mr. Javits asked to contact Ms. Loeb who is development manager at Avalon Bay. Rachael Loeb Development Manager Avalon Bay Communities, Inc. 275 7th Avenue, 25th Floor New York, NY 10001 Ph. (212) 309-1612 email: rloeb@avb.com 10/14/09-Hiralkumar Patel. 11:23 AM:- received well gauging report for Aug. 2009. no free product found on water. 04/01/10-Hiralkumar Patel. 3:38 PM:- spoke with Mr. Harris (as Ms. Loeb is on leave until Jul. 2010). they are waiting for permit which was applied in Jun 2009. Mr. Harris will call once gets permit. Fred Harris Ph. (212) 309-2984 email: fharris@avb.com 08/24/10-Hiralkumar Patel. received message from Mr. Ahmed (at 2:38 PM on 08/23/10). 5:27 PM:- spoke with Mr. Ahmed. he inquire about approval/disapproval for work plan submitted in Nov. 2008. 08/25/10-Hiralkumar Patel. 11:39 AM:- spoke with Mr. Ahmed. informed him that the department approves soil excavation and collection of endpoint soil and groundwater samples only and doesn't approve application of ORC yet as may require additional investigation after reviewing results of endpoint samples. 08/30/10-Hiralkumar Patel. 2:59 PM:- left message for Ms. Loeb at Avalon Bay. 3:24 PM:- sent letter, approving soil excavation and collection of endpoint soil and groundwater samples, to Ms. Loeb and

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKING PARKING LOT (Continued)**

**S108636200**

Mr. Bernstein. informed them that the endpoint sample results must be submitted prior to application of ORC and installation of vapor barrier as may require additional investigation. letter emailed to Mr. Bernstein, Ms. Loeb and Mr. Ahmed.03/23/11-Hiralkumar Patel.11:13 AM:- left message for (and sent email to) Ms. Loeb requesting updates. email copied to Mr. Ahmed.2:20 PM:- received call from Ms. Loeb. she mentioned that they are ready for project but waiting for demolition permit which may take couple of months for entire process. Ms. Loeb will call once permit is issued.06/06/11-Hiralkumar Patel. received email from Alana Brannon (at 11:32 AM on 06/02/11) from Fleming Lee Shue including well gauging report (dated 11/15/2010). no product found in any well. Alana mentioned that based on the commencement of construction/remediation phase activities, as well as the fact that LNAPL has consistently not been detected, all gauging activities should be discontinued.06/15/11-Hiralkumar Patel.12:25 PM:- received message from Arnie Fleming (212-675-3225) from Fleming Lee Shue. he mentioned that construction will begin soon and tank and associated contamination will be removed as proposed in work plan (dated 11/20/08).3:14 PM:- left message for Arnie Fleming.08/05/11-Hiralkumar Patel.4:05 PM:- left message for Arnie Fleming.4:15 PM:- received call from Arnie. he mentioned that contractor has submitted sheeting and shoring plan to NYC DOB and expect to get permit by 08/19/11. Arnie will send update once gets permit.08/30/11-Hiralkumar Patel.4:58 PM:- received email from Jesse Mausner from Fleming Lee Shue. he mentioned that AvalonBay will be uncovering the USTs on 09/06/11. Fleming Lee Shue will perform air monitoring during all intrusive activities. Jesse mentioned that tanks will not be removed for several more days, as sheeting needs to be installed before further excavation.Jesse Mausner, P.G.Fleming-Lee Shue, Inc.Ph. (212) 675-3225 Ext. 310 (646) 841-3099 (C)Fax (212) 675-3324email: jesse@flemingleeshue.com09/13/11-Hiralkumar Patel.10:06 AM:- left message for Jesse.10:53 AM:- received call from Jesse. he mentioned that contractor is installing sheeting for safe removal of all tanks. he mentioned that tank removal work will probably begin from 09/19/11. asked him to schedule a site inspection once tanks removed from ground.09/14/11-Hiralkumar Patel.11:17 AM:- received email from Jesse. he mentioned that contractor has started tank removal today.09/16/11-Hiralkumar Patel.2:03 PM:- received call from Jesse. he mentioned that some tanks are already removed and some will be removed on 09/19/11. scheduled a site visit at 9:30 AM on 09/19/11. during conversation, Jesse inquired about endpoint sidewall samples as all soil within piling area will be removed. informed him that as piling were installed to secure surrounding structure and as it may not be installed outside of contaminated zone, the department requires soil samples outside the piles.09/19/11-Hiralkumar Patel.9:20 AM:- visited site. met Bill Maniquez from Fleming Lee Shue and Margie Nesbitt from AvalonBay. they were removing tanks from area along the W 28th Street. while reviewing map in Bill's document, found that there were more lots included in the subject site (on W 28th Street) and soil/groundwater investigation performed on these additional lots. but that information was not submitted to the Department. asked Bill to submit results of recent investigation(s). found strong odors in tank excavation area. asked Bill to monitor air quality downgradient from the work area. Bill mentioned that currently they are removing all the tanks from the ground for disposal, but they are not excavating any contaminated soil as still waiting for approval from disposal facility.Bill ManiquezFleming Lee

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WORKING PARKING LOT (Continued)

S108636200

ShuePh. (212) 675-3225 (O) (646) 584-2319 (C)email: bill@flemingleeshue.comduring site visit, Ms. Nesbitt mentioned that Ms. Loeb is no longer with company and Jon Vogel is the person-in-charge.Jon VogelAvalonBay Communities, Inc.275 7th Avenue, 25th FloorNew York, NY 10001Ph. (212) 309-1610email: jon\_vogel@avalonbay.com09/21/11-Hiralkumar Patel.2:01 PM:- received call from Jesse. he will submit any investigation reports done after March 2008. he mentioned that total of 17 tanks removed from the entire site (all lots). they are still waiting for approval from disposal facility. once they get approval, they will remove contaminated soil into trucks and transport it off-site, instead of stockpiling on the site. they will remove soil to water table. asked Jesse to collect endpoint soil samples and water sample from excavation. suggested him to leave tank excavation area open, if safe, until reviews the endpoint sample results.also asked him to delineate any soil contamination outside the piles installed at the tank areas. asked him to screen soil from surface to water table in all borings and collect soil sample from highest contaminated area (PID/staining/odors). informed him that if no indication of contamination in entire boring length, then soil sample must be collected from right above the water table.asked Jesse to provide update by 09/23/11.10/12/11-Hiralkumar Patel. received copy of email sent to DEC Austin from Jesse (on 09/28/11). Jesse requested a site visit prior to backfilling excavation in day or two.10/19/11-Hiralkumar Patel.1:55 PM:- sent email to Jesse inquiring updates.2:01 PM:- received email from Jesse. they finished UST removals and now waiting for endpoint sample results.11/02/11-Hiralkumar Patel.11:56 AM:- received email from Jesse including only result of endpoint soil samples and a site map showing tank location. no VOC contamination found in any samples except some minor contmaination found in sample C1-BS. some SVOC contamination found in samples. no other information included. no results of any water samples included.11/14/11-Hiralkumar Patel.4:09 PM:- sent email to Jese and asked him to submit complete report for review. also asked him to submit reports regarding investigation on additional lots.11/16/11-Hiarlkumar Patel.1:51 PM:- received call from Jese. asked him about results of water samples. he mentioned that excavations were done to a depth right above the water table and they collected bottom soil samples from excavation. as they did not extend the excavations into water, no water samples were collected. asked Jese to submit report for excavation work and any investigation reports after Mar. 2008.11/17/11-Hiralkumar Patel.10:30 AM:- received email from Jesse including sample result table and site map. he mentioned that samples were collected from test pits for soil disposal characterization done in 2009 and 2011. found very high VOC contamination in samples from testpits TP-19, TP-20, TP-21 and TP-26. as per site map, these soil samples were collected between 10 and 13 ft depth.soil analyticals:  
-----TP-19-----TP-20-----TP-21-----TP-26  
26 10 ft 11 ft 12 ft 13  
ftBenzene-----118-----513-----3  
,820Toluene-----2,110-----3,  
890-----5,110Ethylbenzene-----1,  
880-----8,150-----13,000-----43,  
300Xylene-----14,200-----52,300-----35,  
300-----285,000MTBE-----47211/25/

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKING PARKING LOT (Continued)**

**S108636200**

11-Hiralkumar Patel.3:47 PM:- sent email to Jesse and asked him to submit complete report regarding test pit sampling. asked him to submit report by 11/30/11. email copied to Arnold Fleming at Fleming Lee Shue.11/29/11-Hiralkumar Patel.5:03 PM:- received email from Jesse. he mentioned that test pit sampling was performed for waste disposal purposes only for use by contractors. one 8-point composite sample was collected for each 800 cu. yard in a grid across the site. the data was not collected for the purposes of site characterization, and no report was generated for this data.12/19/11-Hiralkumar Patel.1:58 PM:- received report from Jesse. abstract:- site is located on Block 700, Lots 1, 9 and 18- lot 1 is located along the majority of 11th Ave, forming rectangle with W 28th street- lots 9 and 18 are located farther east along W 28th St- removed total of sixteen (16) 550 gal gasoline USTs- all tanks were approx. 4 ft in diameter by 6 ft in length- tanks were found in four separate areas: Area A, Area B, Area C1 and C2 and Area D- Area A located on the northern portion of lot 1- eight (8) USTs were found encased in concrete in Area A- Area B located on the southern portion of lot 1- three (3) USTs were found in Area B- Area C1 and C2 located on the southwest portion of lot 18- three (3) USTs were found encased in concrete in Area C1 and C2- Area D located on the south portion of lot 9- two (2) USTs were found in Area D- prior to excavation, shoring and sheeting were installed to support the sidewalks along 11th Ave and 28th street- in Area A, excavation area is approx. 48 ft by 36 ft and approx. 12 ft deep- in Area B, excavation area is approx. 30 ft by 35 ft and approx. 12 ft deep- in Area C1, excavation area is approx. 45 ft by 45 ft and approx. 12 ft deep- in Area C2, excavation area is approx. 20 ft by 15 ft and approx. 12 ft deep- in Area D, excavation area is approx. 10 ft by 10 ft and approx. 11 ft deep- total of 1,237.79 tons of petroleum contaminated soil was removed- excavation extended down to a depth of approx. 1 ft below the water table- water table was encountered between 10 and 12 ft bg in excavations- endpoint samples were collected from excavation sidewalls and bottoms- all samples found clean, except bottom sample from Area C1 where 514 ppb Xylene found <----- recommends to sample existing monitoring wells along the 11th ave side of the site for four quarters groundwater samples were not collected from excavation.12/20/11-Hiralkumar Patel.3:45 PM:- spoke with Jesse about excavation of contaminated material found during test-pit investigation. he mentioned that there is a partial basement in the building and contaminated soil in the basement area will be removed. but there will be no excavation in other areas where contamination found.3:55 PM:- spoke with Mr. Baranello at Avalonbay. Mr. Baranello is the construction manager at Avalonbay. informed him that based on results of test-pit investigation, the department requires further investigation/remediation at the site. he asked to send letter.Andrew Baranello \*\*construction manager\*\*AvalonBay Communities, Inc.275 7th Avenue, 25th FloorNew York, NY 10001Ph. (212) 309-1611email: andrew\_baranello@avalonbay.com12/21/11-Hiralkumar Patel.1:27 PM:- left message for Jesse.2:15 PM:- sent email to Jesse and asked him to submit following information/document:- whether shoring removed- # of previously installed wells still at the site- scaled map including existing monitoring wells on property, excavation area with endpoint sample locations (as included in USTs closure report), test-pit sample locations, area of proposed basement excavation and its depth and location of soil borings installed in sep. 20072:42 PM:- received email from Jesse. he mentioned that shoring was removed shortly after

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKING PARKING LOT (Continued)**

**S108636200**

tanks were pulled. he believes that two monitoring wells remain in the sidewalk of 11th Ave and possibly one more on the northern end of the site along 29th street. he will send scaled site map soon.12/30/11-Hiralkumar Patel.1:24 PM:- received email from Jesse including a scaled site map.01/03/12-Hiralkumar Patel.2:03 PM:- sent letter to Mr. Bernstein and Mr. Baranello requiring soil/GW delineation at location where contamination found during test pit investigation and quarterly groundwater monitoring/sampling for minimum of one year. asked to submit investigation/first quarterly gw monitoring report by 02/29/12. letter emailed to Mr. Bernstein, Mr. Baranello and Jesse.3:30 PM:- received email from Jesse requesting meeting to discuss the requirements.3:35 PM:- spoke with Jesse. he mentioned that based on investigation done in 2007, soil delineation has been completed. informed him that in 2007, Fleming Lee Shue installed boring SB-11 to SB-24 and groundwater contamination was found in SB-24 which is in area between test pits TP-18 and TP-19, but there are no borings in area of TP-20 or TP-21. also, as composite soil samples were collected from a test pit, soil profile and exact location of contamination is not available. informed him that the Department is looking for vertical and horizontal profile of the contamination. informed him that an investigation will be required by upgradient properties, if contamination is coming from off-site.Jesse mentioned that a temporary well should be installed as the wells will be destroyed during construction. informed him that the department may require additional rounds of groundwater sampling, so if they can install temporary wells with proper screen depth which allows survey and resampling, the department may agree with that.Jesse will talk to their client and call back.while reviewing the scaled site map with all boring/well locations, that Jesse sent on 12/30/11, found that soil borings/well points SB-1 through SB-10 were installed on lot 9 and 18 during 2007 investigation.3:57 PM:- spoke with Jesse again and asked him to submit complete data for investigation done on lot 9 and 18.4:22 PM:- sent email to Jesse and asked him to submit results of all environmental investigations done at the site (including all lots). email copied to Mr. Bernstein and Mr. Baranello.4:24 PM:- received email from Jesse including copy of Remedial Investigation Report which includes details about borings SB-1 through SB-10. abstract:- the site will be developed with two connected buildings: building 1 will be a 27-story tower along 11th Ave and building 2 will be a 13-story building on the northern side of W 28th Street- it will be residential buildings with 678 apartment homes- rentable retail space will be available on the first floor- upto 400 below-grade parking spaces will be present in the cellar- total of twenty-four (24) soil borings (SB-1 through SB-24) were installed to depths ranging from 3 ft bg to 20 ft bg- with exception of boring SB-8, two soil samples were collected from each boring: one sample at the surface between grade and 2 ft bg and one sample based on field observations (at the hight PID or directly above groundwater interface or at refusal)- refusal was encountered before groundwater in borings SB-2 (at 7 ft bg), SB-4 (at 8 ft bg) and SB-8 (within 1 ft bg)- groundwater samples were collected via installing a one-inch temporary wells at borings SB-3, SB-6, SB-7, SB-9, SB-10, SB-11, SB-12, SB-14, SB-18, SB-19, SB-20 and SB-24- groundwater found between 6 and 14 ft bg- found strong petroleum odors and high PID readings found in borings SB-9 (155 ppm at 7 ft bg), SB-12 (250 ppm at 14 ft bg), SB-16 (from 5 to 8 ft bg) and SB-18 (from 4 to 8 ft bg) <----- observed petroleum-contaminated soil and groundwater

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WORKING PARKING LOT (Continued)

S108636200

(slight to strong petroleum odors at water table; slight sheen on groundwater sample) associated with three 550 gal USTs that are located in the southeastern section of the parking lot fronting 11th ave- found only Xylene (465 ppb at 14-16 ft in SB-12 and 10,000 ppb at 9-11 ft in SB-16) and Ethylbenzene (3,440 ppb at 9-11 ft in SB-16) in soil samples <----- found petroleum and chlorinated compounds in groundwatergroundwater analyticals:

-----SB-3-----SB-7-----SB-9-----SB  
-10-----SB-12Benzene-----  
-----110Toluene-----  
-----69Ethylbenzene-----346-----  
-----48Xylene-----134-----2  
71MTBE-----162-----14-----  
-----731,1-Dichloroethane-----331-----1,  
050-----58-----1161,  
1-Dichloroethene-----96trans-1,  
2-Dichloroethene-----16-----89Vinyl  
Chloride-----1,510-----1,  
030-----62-----133-----SB-14-----  
---SB-18-----SB-20-----SB-24Benzene-----  
-----497Xylene-----  
-----40MTBE-----  
-----118-----228-----1,  
040-----16PCE-----11,  
1-Dichloroethane-----91,  
1-Dichloroethene-----5Vinyl

Chloride-----10discussed with DEC Jane regarding chlorinated compounds found in groundwater samples. DEC Jane will send email to DEC Cozzy.discussed with DEC Austin. after reviewing data, Austin asked for resampling of groundwater in the area where petroleum and chlorinated solvent contamination found.3:51 PM:- spoke with Jesse and informed him that the department requires groundwater investigation in Lot 18 also due to chlorinated solvent contamination. Jesse mentioned that there will be an active SSDS and vapor barrier at the site. he will talk to his supervisor and will call back.4:13 PM:- received call from Arnie Fleming and Jesse. Mr. Fleming mentioned that chlorinated solvent contamination has been found on other sites in neighbourhood, as they worked on multiple projects in area. Mr. Fleming suspects Evan Auto Inc. (located at 319 10th Ave, Manhattan) as the source of chlorinated solvent contamination. Mr. Fleming mentioned that construction at the site will start in approximately two weeks so permanent wells are not possible. Mr. Fleming proposed groundwater investigation via geoprobes.discussed with DEC Austin. he agreed with the proposal of groundwater sampling via geoprobes.4:42 PM:- spoke with Jesse and Mr. Fleming and informed them that temporary well points are fine for required groundwater investigation along the northern and eastern property line (and also inside the property, if needed) where petroleum/chlorinated contamination was found. Jesse will send a site map with proposed geoprobe locations.01/05/12-Hiralkumar Patel.1:31 PM:- due to findings of chlorinated solvent contamination, sent email to DEC Jane with site history and a site map (including sampling results). email copied to DEC Austin and DEC Vought.3:30 PM:- visited sites on Block 700. also reviewed available tax map, NYC DOB records, DEC PBS and Spills databases and found following:- there are total of 26 lots (1, 9, 18, 27, 29, 30, 31, 32, 34, 36, 38, 40, 42, 44, 45,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKING PARKING LOT (Continued)**

**S108636200**

47, 48, 49, 53, 54, 55, 56, 57, 59, 60 and 61) on Block 700- Lots 1, 9 and 18 will be developed by Avalon Bay- total of 15 lots (27, 42, 44, 45, 47, 48, 49, 53, 54, 55, 56, 57, 59, 60 and 61) have common boundaries with the lots that will be developed by Avalon Bay- total of seven open/close spill numbers found on Block 700: 9811167 for Lot 27, 0700172 for Lots 32/34, 0701228/0702824 for Lot 36 and 9008960/0307633/0408382 for Lots 48/49- total of four PBS records found on Block 700: 2-350281 for Lots 1/9/18 (sixteen 550 gal USTs removed), 2-611326 for Lot 32 (three 275 gal waste oil ASTs in-service), 2-089559 for Lots 48/49 (one 4,000 gal gasoline UST removed in Oct. 2003, one 2,000 gal #2 oil UST closed-in-place in Feb. 2001, one 500 gal gasoline UST removed in Oct. 2003) and 2-611575 for Lot 60 (270 gal waste oil AST in-service)during subsurface investigation on Avalon Bay property in 2007, petroleum contamination was found in soil (at the groundwater interface in smear zone) and groundwater samples in the northeastern corner of Lot 1 and along northern line of western half of Lot 9. this contamination is southwest of the possible source at 524 W 29th Street (Lots 48/49) (spill #: 0307633, DEC Manager: Andre Obligado). Lots 48 and 49 are owned by same company. both lots are leased by Sean Kelly Gallary. spoke with Sean Kelly (212-239-1181) at Sean Kelly Gallary. he mentioned that after leasing both lots, they divided lot 49 in two sections and then sub-leased the eastern section of Lot 49 and entire lot 48 to Peter Blum Gallary. Mr. Kelly mentioned that the former gasoline tanks and associated excavation area was located under the eastern section of Lot 49. spoke with David Blum (212-244-6055) at Peter Blum Gallary. David mentioned that there are some monitoring wells installed on the property, but those wells are covered under the floor. there is an active remediation system on-site. during visit, found three monitoring wells on sidewalk, in front of Lots 48/49 (one to the west of entrance to Sean Kelly Gallary, one at the junction of two galleries and one at the eastern end of Peter Blum Gallary).Victor At West 29, LLC. \*\*owner of Lots 48/49\*\*c/o Victor Homes3349 Highway 138, Building CWall, NJ 07719during subsurface investigation on Avalon Bay property in 2007, chlorinated solvent contamination was found in groundwater samples collected from Lot 9 (eastern half) and Lot 18. while searching for possible source, found an open spill number (0700172, DEC Manager: Ryan Piper) for Lot 32 which is occupied by Evan Auto Inc. the spill #: 0700172 was reported on 04/05/2007 as contaminated soil and groundwater was found on four lots (27, 32, 34 and 38) during subsurface investigation as part of proposed redevelopment. during this investigation, heavy PCE contamination (40,100 ppb) was found in soil from 0-2 ft bg. also, chlorinated solvent contmaination found in groundwater samples. according to the site investigation report dated 12/27/2007:- Lot 27 (507-515 W 28th Street) is developed with a one-story (no basement) nightclub identified as Mystic- Lot 32 (319-321 10th Ave) is developed with a one-story (with basement) auto repair shop known as Evan Auto. basement used for storage- Lot 34 (323-325 10th Ave) is developed as a surface parking lot and is adjacent to the auto repair shop- Lot 38 (504-506 W 29th Street) is part of the auto repair shop and is located beneath the High Line (former elevated railroad tracks)Kadima Tenth Avenue SPE LLC. \*\*owner of Lot 27\*\*Maestro West Chelsea SPE LLC. \*\*owner of Lots 32, 34 & 38\*\*319 10th AvenueNew York, NY 10001Attn.: Abraham HebyPh. (212) 265-3088 (917) 597-537101/06/12-Hiralkumar Patel.2:20 PM:- received email from Jesse including a map with location of three proposed

**WORKING PARKING LOT (Continued)**

**S108636200**

temporary well points: one in the northeastern corner of Lot 18, one in southeastern corner of Lot 9 and one in northwestern corner of Lot 9. Jesse mentioned that they will screen soils from these locations and sample groundwater from six temporary well points and three permanent wells on-site. samples will be analysed for VOCs only. based on historical data, need another five temporary well points: one in the area of SB-12/TP-26, one in the area of SB-24, one closer to TP-21 along norther property line (right under the Lot 49), one in the area of TP-23 and one in the area of SB-7. also need to move one well point in the area of TP-20. 2:30 PM:- spoke with Jesse. informed him that based on findings of petroleum and chlorinated solvent contamination in 2007, the Department requires additional temporary wells. 2:36 PM:- sent email to Jesse including a map with changes in proposed temporary well point locations. 3:14 PM:- received call from Jesse. as the area around SB-12/TP-26 will be excavated down to 12-13 ft bg as part of basement, Jesse asked to eliminate well point in that area. informed Jesse that if the Department receives written confirmation (email) from developer that basement area will be excavated down to 13 ft bg, then no need for well point in the area of SB-12/TP-26. Jesse also asked to remove one well point along the norther property line. informed him that the five well points along northern line is necessary to confirm the previous petroleum/chlorinated solvent data. also asked him to sample soil with high PID/odors/staining. he will talk to developer and will call back. informed him that all samples must be analyzed via 8260 full list. 3:42 PM:- sent email to DEC Jane including a site map with results of soil and groundwater samples from Evan Auto Inc. site. email copied to DEC Austin, DEC Vought and DEC Piper. 01/10/12-Hiralkumar Patel. 3:12 PM:- received email from Jesse including a work plan with proposed well locations. he proposed to install seven temporary well points on lot 9 and 18. groundwater samples from temporary well points and permemanent wells on 11th ave sidewalk will be analyzed for target compound list. well points will be installed tomorrow. 01/11/12-Hiralkumar Patel. 10:41 AM:- sent email to Jesse. informed him that analysis must include chlorinated compounds. also informed him that soil must be analyzed if shows any PID/odors/stains etc. email copied to Mr. Baranello, Jon Vogel (jon\_vogel@AvalonBay.Com) and Marjorie Nesbitt (menesbitt@eightpointsam.com). 01/13/12-Hiralkumar Patel. 10:55 AM:- received email from Jesse. they installed temorary well points. they also sampled two wells MW-2 and MW-6. well MW-5 could not be located and may have been destroyed. contaminated soils were identified in two borings on north side of lot 9 at depth of 10-11 ft (most likely part of smear zone) and soil samples was collected from both borings. 01/26/12-Hiralkumar Patel. DEC Austin informed that DEC Mike MacCabe in Albany is handling a plume trackdown in area and will work on chlorinated solvent issue. 01/27/12-Hiralkumar Patel. 2:54 PM:- sent email to Jesse inquiring upates. 3:14 PM:- received email from Jesse. he received data this afternoon and will submit report soon. 02/13/12-Hiralkumar Patel. 2:08 PM:- spoke with Jesse. he will submit report in this week. 02/17/12-Hiralkumar Patel. received email from Jesse (at 12:00 PM on 02/16/12) including report. abstract:- installed seven 1-inch temporary monitoring wells on lots 9 an 18, with 10 ft of screen- soils were screened for evidence of impacts using visual or olfactory means and a PID- two borings/temporary well locations tMW-1 and tMW-3, exhibited evidence of petroleum impacts in soils from approx. 10 ft bg extending below the soil-water interface

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WORKING PARKING LOT (Continued)

S108636200

at approx. 12 ft bg- soil sample was collected from between 10 to 11 ft in both borings- groundwater samples were collected from all temporary wells and both existing permanent wells (MW-2 and MW-6)- samples were analyzed for VOCs onlysoil

analyticals:-----tMW-1-----tMW-3  
10-11 ft 10-11

ftBenzene-----2,  
260-----292Ethylbenzene-----38,  
200-----8,540Xylene-----163,  
000-----87,2001,2,4-Trimethylbenzene-----117,  
000-----55,1001,3,5-Trimethylbenzene-----34,  
800-----17,000Naphthalene-----29,  
300-----11,900groundwater

analyticals:

-----tMW-1----tMW-3----tMW-4----tMW-7----tMW-8----  
tMW-9---tMW-10Benzene-----490-----492Toluene-----  
-----26-----31Ethylbenzene-----524-----538Xylene--  
-----2,  
070-----986Naphthalene-----219-----167MTBE-----  
-----15-----161,1,  
1-Trichloroethane-----1  
21,  
1-Dichloroethane-----35-----19-----5-----  
217-----23cis-1,  
2-Dichloroethene-----449-----80-----1,  
220-----103Vinyl

Chloride-----13-----3-----5-----1750

2/22/12-Hiralkumar Patel.3:24 PM:- received email from Jesse. they found another 550 gal UST. tank was filled with liquid and was encased in concrete. will collect endpoint samples after removing tank.3:25 PM:- sent email to Jesse and asked to send site map with tank location.3:43 PM:- received email from Jesse with site map. tank was found along southern property line on lot 9.02/28/12-Hiralkumar Patel. discussed with DEC Austin. based on available information, he approved case transfer to remediation. informed him that DEC MacCabe is handling chlorinated solvent issue in area.11:33 AM:- spoke with DEC MacCabe and informed him about the current sampling data. he has added this site into plume trackdown (# 231078). he asked to send lab data.11:40 AM:- sent email to DEC MacCabe including site maps for the subject site and Evan Auto.12:41 PM:- sent email to DEC Austin requesting case transfer.03/13/12-Hiralkumar Patel.3:57 PM:- received email from DEC Austin approving case transfer.03/16/12-Hiralkumar Patel. case assigned to DEC Hussein.\*-.\* "e" designation at site\*\*4/2/12 - Obligado - Spill transferred to Obligado from Patel.4/3/12 - Obligado - I reviewed the ground water investigation report. According to the report, petroleum contamination on north portion of Block 9 and solventcontamination on Lot 18 is coming from off-site. However, no ground water contour map showing ground water flow direction was provided. I sent a letter disapproving of report and requiring a hydrogeologic investigation to confirm ground water flow direction and a geophysical investigaiton to investigate source of contamination on north side of lot 9. I also required a new RAWP to address new contamination found on Lot 9 and Lot 18. (previous RAWP only covered Lot 1) I sent a Stipulation Agreement and CAP to the following to be signed and returned by April 24, 2012:Property owner:East Side 11th and 8th LLC, c/o Marjorie E. Nesbitt445 Park Avenue10th FloorNew York, New York 10022 and developer:Mr. Marty

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKING PARKING LOT (Continued)**

**S108636200**

PiazzolaAvalon West Chelsea275 Seventh Avenue, 25th FloorNew York, NY 10001Stips sent via certified mail, certified receipt #s7010 0290 0000 9758 2612 and 7010 0290 0000 9758 25854/16/12 - Obligado - DEC met with Avalon Bay, FLS, and AKRF. 4/17/12 - Obligado - Sent a meeting summary email to all parties:"This email summarizes our discussions in yesterday's meeting:Participants:DEC: Andre Obligado, Hassan HusseinAvalon Bay - Steven Spiro, Jon VogelFleming Lee Shue - Arnie Fleming, Jesse Mausner AKRF - Mark Godick - Avalon Bay is holding a 99 year lease on the property. AKRF is the on-site consultant responsible for field oversight. Fleming Lee Shue provides general environmental consulting.- The Development plans were discussed. Development is progressing quite rapidly. Steel sheeting is being installed to depth of 15 to 20 ft to excavate for a basement on the south portion of the site. Depth of the basement floor will be about 12 feet. Contamination found in vicinity of test pit 26 will be removed during basement excavation. Excavation will require some dewatering and groundwater treatment. A water proofing barrier will be installed under basement. All other areas will have an SSDS system and vapor barrier. - DEC McCabe in Albany is the manager of the up-gradient chlorinated p-site. In my discussions with Mr. McCabe, the source has not been confirmed yet.- The Department is in receipt of the geophysical survey, so this item from the April 4th letter is no longer required by the Department.- Since there were multiple potential on-site sources (17 USTs removed), no off-site source has been positively identified, and ground water flow direction has not been confirmed, the Department at the present time considers Avalon to be responsible for the clean-up of north side of Lot 9.- A hydrogeologic investigation will be performed to confirm the groundwater flow direction. FLS/AKRF will gauge and survey one of the existing off-site monitoring wells along 29th ave and add it to the existing 2 wells to determine groundwater flow direction. FLS/AKRF may install one monitoring well on-site to aid in the hydrogeologic investigation. FLS/AKRF will proceed quickly due to the installation of the hydraulic sheeting which may influence the groundwater flow determination. FLS will inspect adjacent properties to north to try to identify evidence of potential sources such as vent pipes.- Potential remedies for contamination of the gasoline impacted soil and groundwater along the north side of Lot 9 were discussed. Due to structural concerns in this area, and short time frame before slab construction, chemical oxidation was the determined to be the most promising remedy. FLS suggested pulsed injection to aid in oxidant dispersion due to tight river sediments.- Avalon is considering proceeding remediation of north side of Lot 9 regardless of source determination. If it is determined the source is off-site, Avalon would seek reimbursement from the Spill Fund. If source is determined to be off-site and Avalon chooses not to remediate this area, than the Department will consider a state-funded cleanup in this portion of the site. - The Department will hold off on the requirement to sign the Stipulation Agreement while the hydrogeologic investigation proceeds. - DEC will schedule a site visit in near future."4/24/12 - obligado - I emailed Jesse Mausner to inquire about the gw investigation. Response from Jesse "Hi Andre - We have a letter report prepared that is being reviewed by theclient. We hope to send it over within the next day or two." 5/8/12 - Obligado - Emailed Jesse Mausner to inquire about gw flow investigation. Still has not been submitted.5/11/12 - Obligado - I received Hydrogeologic and forensic report. 5/14/12 - Obligado - The report includes a ground

MAP FINDINGS

**WORKING PARKING LOT (Continued)**

**S108636200**

water contour map showing flow to the west/northwest. The report claims 282 11th avenue is not the source of contamination on the north side of Lot 9. They provided a forensic analysis using BTEX ratios and comparing the BTEX compounds in the source areas to those found on Lot 9. The report points to auto repair operations on 29th street as possible sources as well as the former remediation site at 524 w. 29th st. The report claims the Site didn't have historic auto repair operations. 5/14/12 - Obligado - I emailed Steve Panter and requested historical sanborn maps of the block, which he provided. 5/15/12 - Obligado - I called Steve Panter of FLS and pointed out to him that the site did in fact have multiple auto repair operations. He revised the report and resubmitted it. Obligado - I emailed Steve requesting boring logs for TMW1, TMW3, TMW4, SB24 and SB9 in Lot 9 to see if there was any impact identified above the water table which could indicate an on-site source in the north side of Lot 9/18. I also asked for a revised contour map because the elevations in the table included in the map did not correspond with the elevations in the contour map. Jesse Mausner emailed me a new contour map. He explained the actual contour map was correct but the elevations in the table were not correct. The revised table had the correct elevations. I 5/18/12 - Obligado - I went to the site to look for potential off-site sources. I went to 548 W. 29th Street and asked the mechanic there if they had any oil tanks. He showed me an oil tank in the back of the station. The 275 gallon waste oil tank had no lable and had secondary containment had about an inch of oil stained sand. There was evindence of multiple spills on the concrete as well as a fresh spill from a transmission removal. I spoke to the menachic, who says the waste oil company comes once a month to empty the wate oil tank. During that process they lift up the tank and clean the oil soaked sand from the secondary containment. I pointed out the poor housekeeping issues to the manager, Zoar (718-869-4550, who showed up shortly after. They applied speedy dry sand to the spill areas. I also noticed manhole which may be an abandoned tank. This manhole coincides with the location of a 550 gallon gasoline UST from historical sanborn maps. The manhole also is in the vicinity of the vent pipe on the roof. The manager did not know anything about the manhole. Due to apparent PBS issues with waste oil tank and possible abandoned tank, I contacted Moses Ajuko to perform a PBS inspection of the facility. PBS #2-611575, owner: Raba H. Abramov (212) 596 3673. Moses issued PBS violations. It is not clear whether this site is a source for contamination on 282 11th ave. Due to poor housekeeping, stained concrete indicating historical spills, and abandoned gasoline tank it is a possible source. Additional investigation will be necessary. While waiting for Moses to arrive, I spoke to the owner of 542 west 29th Street, which is also listed as an auto repair facility on 1994 sanborn. The site is now a fish packing warehouse. According to the property owner, John McGuire (212)-268-9169, they purchased the site in 1995. They don't have any oil storage since 1995 and he states there are no tanks on the site. He said prior to the purchase a site assessemnt was performed. I asked if I could get a copy of that assessment and he said the bank probably has it. I will follow up. He provided his contact information (212)-268-9169. I then when to visit the 282 11th avenue construction site. At the site I met Jeff of AKRF who is the on-site environmental consultant. We performed a site walk through. Development is in progress. Steel sheeting has been installed around the basement area of the future building. Concrete pile caps have

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKING PARKING LOT (Continued)**

**S108636200**

been installed on east side of site. Jeff mentioned that a test pit was performed on 2/24/12 north of the sheeting and south of 542 West 29th street building. According to Jeff, contaminated soil with strong odors encountered at approximately 4 ft bgs. They continued excavating until 8 feet and very strong odors forced them to stop test pitting due to lack of air respirators and backfill. Jeff said odors were noticable from approximately 100 feet away. I asked him if they reached the water table during the test pit. He replied that they did not. I asked if they could open a shallow test pit in that area for me. He checked with site foreman. There was equipment in the vicinity of the test pit location that would need to be moved. We agreed to post pone until MOnday.5/21/12 - Obligado - I received a call from FLS. Due to thunderstorms, test pitting postponed.5/24/12 - Obligado - I went to the site for test pit. 2 test pits were dug behind the 548 west 29th street garage. In both test pits, no PID readings or visual evidence of petroleum contamination in the vadose zone. Strong gasoline odors were present in the saturated zone. This supports FLS assertion that contamination in the north portion of the site is from an off-site source and migrated to the site via ground water. I reviewed the ground water monitoring data for the 282 11th avenue site. No quarterly sampling was performed, only gauging. MW5 was installed but never sampled. I sent an email to Jesse Please perform another round of ground water sampling and collect a ground water sample from all existing monitoring wells including any newly installed wells for the hydrogeologic investigation and submit the results within 30 days. He responded back that they sampled MW6 and MW2 in January and they were ND for all compounds. He requested only to sample existing MW5 and newly installed MW7. I concurred. 6/26/12 - Obligado - I received an email from Jimit Shah at DEP OER : "As discussed earlier today, spill-like conditions were encountered at the above referenced site (staining, elevated PID hits, petroleum-like odor, etc) on March 2nd and March 13th 2012 within the south-central portion of the site (within the TP-21 and TP-36 regions: see the attached site map). These conditions are attributed by one of the project's two environmental consultant (Fleming-Lee Shue-"FLS") to a 550 gallon UST encountered within the vicinity on February 22, 2012, and removed from the site on February 28, 2012. When clarification was requested from FLS as to whether or not a spill number was called in after the UST and surrounding petroleum-impacted soils were discovered, OER was informed that DEC was made aware of the situation, and that a new number was not called in as this finding is linked to current spill number(s) on-site (06-03351 and 07-00587)." I responded that I was not aware of the spill like conditions associated with this tank. I requested the daily reports from OER. Jimit provided the daily reports. I sent an email to Jesse Mausner of FLS inquiring if they collected endpoint samples from the 2/28/12 tank removal and inquired as to the tank contents. Jesse responded they did collect endpoint samples and provided the analytical reports, which showed exeedences of CP51 soil clean-up levels in 3 of 5 soil samples. The UST bottom sample 7ft was the most contaminated with 7 exceednces of CP-51 in ug/kg: ethylbenzene: 19200isopropybenzene : 4680n-propylbenzene: 131001,2,4-trimethylbenzene: 87,100 1,3,5 trimethylbenzene: 21,300m,p - xylene: 50,100o-xylene: 6890He also provided a tank removal affidavit which said the tank was filled with water and gas. I requested a site map with UST and sample locations, the AKRF field notes, and photographs as soon as possible. Jesse provided the site

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WORKING PARKING LOT (Continued)**

**S108636200**

map and said they would provide additional information shortly.6/28/12 - I sent a letter to Avalon Chelsea West cc to Fleming Lee Shue which can be summarized as follows 1) The presence of contaminated soil under UST #17 on Lot 9 signified a discharge from that tank and should have been reported to the DEC within 2 hours as per NYCRR Part 613.8. 2) This data should have been included and considered in the forensic analysis submitted 5/15/12 which investigate potential sources of the contamination found on north side of that lot. The Department rejects the Forensic Report as it was based on incomplete data. 3) The leaking UST on Lot 9 is the probable source for the contamination on north side of Lot 9. A RAWP for the remediation of this area must be submitted prior to foundation slab construction. 4) A Stipulation Agreement is attached to the letter which must be signed by 7/6/12 or case would be referred for enforcement. 5) The Stip includes a CAP which requires submission of a RAWP within 30 days to remediate the entire site. Letter sent via email.7/12/12 - Obligado - DER Staff met with the developer and consultants. The developer agreed to do a soil boring investigation to confirm whether on-site tanks are source of the petroleum contamination on the north side of the property. Fleming Lee Shue plans to submit a RAWP for chemical oxidation injection system beneath building on the north side of the property. The developer submitted geotechnical reports which they say support their claim that excavation is not feasible. DER Staff forwarded the reports to technical support staff in Central Office. DER stated no objection to continued construction on condition that contaminated area north of the sheeting is accessible for additional investigation and remediation.7/17/12, - Obligado - DER Staff was involved in a conference call between OER, Fleming Lee Shue (FLS), and AKRF. FLS and AKRF will provide daily reports to the DEC and OER on site activities. DEC informed FLS that the Department is only to be notified of spill in case of discovery of new source such as a tank, leaking drum, etc. In the call, AKRF notified DEC that a crushed drum was discovered during excavation which contained about 5 gallons of oil. DEC requested identification of product. 7/27/12 - Obligado - Excavation for the building basement is on-going at the site. Slab construction on the east and north portions of the site is on-going. Central Office Technical staff reviewed a Geotechnical Report submitted by Muesler Rutledge regarding feasibility of excavation north of the sheeting adjacent to buildings. CO technical staff agreed with the conclusions in the report, that excavation north of the sheeting was not recommended. A letter report documenting soil sampling north of the basement sheeting was submitted by FLS to the Department. 8/22/12 - Obligado - DER Staff reviewed the results of soil and ground water investigation along the sheeting line outside the proposed area of excavation which revealed benzene concentrations in ground water in excess of 6000 ug/L down gradient of the former USTs. The investigation confirms the on-site USTs are a source of the petroleum contamination in ground water. DER sent another Stipulation Agreement to the RP for signature within 15 days with the requirement to submit a Remedial Action Plan to remediate the entire site.9/17/12 - Obligado - DER Staff received a fully executed Stipulation Agreement. According to the Corrective Action Plan, the due date for an amended RAP is 9/24/12.10/5/12 - Obligado - DER Staff completed its review of a Revised Remedial Action Work Plan. DER staff disapproved of the plan and sent a comment letter to Avalon Bay with the requirement to submit a revised plan within 15 days 10/15/12 -

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**WORKING PARKING LOT (Continued)**

**S108636200**

Obligado - DER Staff met with the RP and their consultants to discuss the Department concerns. Based on the discussions, Avalon will submit a revised RAWP.11/5/12 - Obligado - DER approved a RAP for chemical oxidation.1/30/13 - Obligado - DER Staff met contractors and consultants on-site to inspect the progress of remediation. The foundation slab on the south portion of the site is nearly complete. The midrise building is under construction and at the 4th story. We did a walk through of the remediation area. The consultants showed me the injection and monitoring wells that were installed. They are having difficulties due to congestion with all the construction. They need to reinstall wells that were destroyed and install one more well in a location that was not accessible. They anticipate injection in February.

Remarks: CONTAMINATION FOUND WHILE BORING; BELIEVE A TANK IS IN THE AREA; NOT YET CLEANED;

Material:

Site ID: 379949  
 Operable Unit ID: 1137443  
 Operable Unit: 01  
 Material ID: 2127396  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**H47  
 NW  
 < 1/8  
 0.079 mi.  
 419 ft.**

**ROADWAY  
 WEST 28TH ST AND 11TH AVE  
 MANHATTEN, NY  
 Site 8 of 21 in cluster H**

**NY Spills S102663543  
 N/A**

**Relative:  
 Lower**

SPILLS:

Facility ID: 9706409  
 DER Facility ID: 243268  
 Facility Type: ER  
 Site ID: 300758  
 DEC Region: 2  
 Spill Date: 8/27/1997  
 Spill Number/Closed Date: 9706409 / 5/1/1998  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 10 ft.**

SWIS:

Investigator: MCTIBBE  
 Referred To: Not reported  
 Reported to Dept: 8/27/1997  
 CID: 370  
 Water Affected: Not reported  
 Spill Source: Unknown

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROADWAY (Continued)**

**S102663543**

Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/27/1997  
Spill Record Last Update: 5/22/1998  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: MR ROMANO CON ED  
Contact Phone: (212) 683-8830  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"CLEANED BY SANITATION.  
Remarks: SPILL FROM UNKNOWN TYPE OF TRAILER INFO WAS VERY SKETCHY SANITATION IS ON THE WAY NOW

Material:  
Site ID: 300758  
Operable Unit ID: 1049777  
Operable Unit: 01  
Material ID: 331993  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

H48  
NW  
< 1/8  
0.079 mi.  
419 ft.

**PAVEMENT**  
**11TH AVE BETWEEN W 28TH AND W 29TH ST**  
**MANHATTAN, NY**  
**Site 9 of 21 in cluster H**

**NY Spills S111317875**  
**N/A**

**Relative:**  
**Lower**

SPILLS:  
Facility ID: 1108912  
DER Facility ID: 411191  
Facility Type: ER  
Site ID: 456659  
DEC Region: 2  
Spill Date: 10/15/2011  
Spill Number/Closed Date: 1108912 / 11/9/2011  
Spill Cause: Equipment Failure  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PAVEMENT (Continued)**

**S111317875**

Investigator: RWAUSTIN  
Referred To: Not reported  
Reported to Dept: 10/15/2011  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/15/2011  
Spill Record Last Update: 11/9/2011  
Spiller Name: Not reported  
Spiller Company: CONN ED  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: ERT  
Contact Phone: 212 580 8383  
DEC Memo: emis 227751. Small spill to roadway.11/9/11 - Austin - A vacuum tank track operated by Con Ed leaked 1.25 gals. of transmission fluid onto the street leading into the Manhattan Electricl Operations yard - Con Ed contained and cleaned up the spill on the street and facility - Spill closed - end

Remarks: Caller advised 1.25 gallons of fluid spilled onto asphalt from commercial vehicle. Clean up is in progress.

Material:  
Site ID: 456659  
Operable Unit ID: 1206795  
Operable Unit: 01  
Material ID: 2203918  
Material Code: 0021  
Material Name: Transmission Fluid  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1.25  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**H49  
 NW  
 < 1/8  
 0.079 mi.  
 419 ft.**

**WEST 28TH ST YARD  
 WEST 28TH/11TH AVE  
 MANHATTAN, NY  
 Site 10 of 21 in cluster H**

**NY Spills S103575143  
 N/A**

**Relative:  
 Lower**

**SPILLS:**

Facility ID: 9811200  
 DER Facility ID: 66044  
 Facility Type: ER  
 Site ID: 69463  
 DEC Region: 2  
 Spill Date: 12/6/1998  
 Spill Number/Closed Date: 9811200 / 11/4/2003  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 10 ft.**

**SWIS:**

Investigator: CAENGELH  
 Referred To: Not reported  
 Reported to Dept: 12/6/1998  
 CID: 382  
 Water Affected: Not reported  
 Spill Source: Commercial Vehicle  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 12/6/1998  
 Spill Record Last Update: 11/12/2003  
 Spiller Name: ERNIE ROWLAND  
 Spiller Company: CON ED  
 Spiller Address: 4 IRVING PLACE  
 Spiller City,St,Zip: MANHATTAN, NY  
 Spiller Company: 001  
 Contact Name: ERNIE ROWLAND  
 Contact Phone: (212) 580-6763  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"E2MIS 121751THIS INCIDENT IS VOIDED BECAUSE IT IS IN THE WRONG SITE. IT IS REPLACED BY INCIDENT #121761 IN THE W 28 ST SITE. MAKE ALL UPDATES TO INCIDENT 121761.12/06/98 08:00 HRSKENNETH SCHNORR #64555 REPORTS PALL UNIT ON THE BACK OF TRUCK#40751 LEAKED 2-GALLONS OF TRANSFORMER OIL ONTO FLOOR OF FLATBED OF TRUCK. NO WATERWAYS OR SEWER EFFECTED. SAMPLETAKEN AND CLEAN UP IS IN PROGRESS.12/06/98 12:30hrs - Update to spill - In accordance with I&A OS, K. Schnorr #64555, no sample was taken today. Oil spill is from PALL unit and therefore, from last unit (after recycling) that the PALL was used for.Paged ERT - no answer.12/06/98 13:05hrs - Contacted ERT (Wallace #84274)- need more information about spill - Did oil spill only on truck or also on pavement?12/06/98 13:10hrsI&A Splicer, M. Reiter #27277 reports spill was on truck 40751 (approx 1/2 gallon) and on pavement at tail gate of truck (approx 1 1/2 gallons). Only historical data available is hard copy displaying 182PPM from before last transformer was recycled - which is V5147 at 56 Hudson St. However, PCB count after recycling should be less. New sample was taken on 11/28/98 after V5147 was recycled. The PCB count on the Nov

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST 28TH ST YARD (Continued)

S103575143

28 sample should be the same as for today's spill as it is the same oil. The Nov 28, 1998 sample is waiting for results to be posted. 12/06/98 13:20hrs I&A OS K. Schnorr reports spill was cleaned up 12/06/98 @ 08:15hrs. I&A Cleanup crew was M. Reiter #27277 and J. Jones #48534. Area on truck and pavement was double washed with slix. Original hard copy of 182 PPM was used with 1 barrel of assumed >49PPM waste stream generated and stored in PCB temporary storage area at W. 28 St. Update to waste stream and this E2MIS report pending sample results of Nov 28, 1998 (from V5147 @ 56 Hudson) 12/06/98 13:25hrs ERT phone busy 12/06/98 13:35hrs ERT (Wallace #84274) updated. Cannot take additional sample from PALL unit as requested by ERT. 12/06/98 13:45hrs Chem lab contacted and requested to upgrade status of 11/28/98 sample of vault 5147 56 Hudson St to Emergency sample. Chem lab supervisor, J. Hendrick will look into matter 12/06/98 13:50hrs ERT (Wallace #84274) updated 12/06/98 14:20hrs Astoria Chem Lab supervisor, J. Hendricks reports 11/28/98 sample for V5147 @ 56 Hudson St cannot be found. 12/06/98 15:05CIG, E. Rowland #43784 updated.... A. Johnson #81226 12/10/98 18:00PM No sample results can be found by district I&A or Astoria Lab. Told information to ERT (W. Wallace #84274). PCB count of 182PPM as found on original hard copy (prior to recycling) is acceptable limits to close out job. Cleanup on 12/6/98 was in accordance with 182 PPM even though count is probably lower. Job can be closed out. E2MIS 121761 THIS INCIDENT REPLACES INCIDENT #121751 WHICH WAS ENTERED INTO THE WRONG SITE (MEDS) 12/06/98 08:00 HRS KENNETH SCHNORR #64555 REPORTS PALL UNIT ON BACK OF TRUCK #40751 LEAKED 2-GALLONS OF TRANSFORMER OIL ONTO FLOOR OF FLATBED. NO WATERWAYS OR SEWER EFFECTED. SAMPLE TAKEN AND CLEAN UP IS IN PROGRESS. JUAN MEJIAS JR. #44729 12/07/98 11:00 JUAN MEJIAS ENTERED INCIDENT AGAIN SEE INCIDENT #121571 FOR THE ORIGINAL REPORT. JUAN MEJIAS JR #44729 12/06/98 12:30hrs - Update to spill - In accordance with I&A OS, K. Schnorr #64555, no sample was taken today. Oil spill is from PALL unit and therefore, from last unit (after recycling) that the PALL was used for. Paged ERT - no answer. 12/06/98 13:05hrs - Contacted ERT (Wallace #84274) - need more information about spill - Did oil spill only on truck or also on pavement? 12/06/98 13:10hrs I&A Spicer, M. Reiter #27277 reports spill was on truck 40751 (approx 1/2 gallon) and on pavement at tail gate of truck (approx 1 1/2 gallons). Only historical data available is hard copy displaying 182PPM from before last transformer was recycled - which is V5147 at 56 Hudson St. However, PCB count after recycling should be less. New sample was taken on 11/28/98 after V5147 was recycled. The PCB count on the Nov 28 sample should be the same as for today's spill as it is the same oil. The Nov 28, 1998 sample is waiting for results to be posted. Environmental Detailed Incident Report 12/06/98 13:20hrs I&A OS K. Schnorr reports spill was cleaned up 12/06/98 @ 08:15hrs. I&A Cleanup crew was M. Reiter #27277 and J. Jones #48534. Area on truck and pavement was double washed with slix. Original hard copy of 182 PPM was used with 1 barrel of assumed >49PPM waste stream generated and stored in PCB temporary storage area at W. 28 St. Update to waste stream and this E2MIS report pending sample results of Nov 28, 1998 (from V5147 @ 56 Hudson) 12/06/98 13:25hrs ERT phone busy 12/06/98 13:35hrs ERT (Wallace #84274) updated. Cannot take additional sample from PALL unit as requested by ERT. 12/06/98 13:45hrs Chem lab contacted and requested to upgrade status of 11/28/98 sample of vault 5147 56 Hudson St to Emergency sample. Chem lab supervisor, J. Hendrick will look into matter 12/06/98 13:50hrs ERT (Wallace #84274) updated 12/06/98 14:20hrs Astoria Chem Lab

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST 28TH ST YARD (Continued)

S103575143

Remarks: supervisor, J. Hendricks reports 11/28/98 sample for V5147 @ 56 Hudson St cannot be found. 12/06/98 14:30hrsERT (Wallace #84274) updated. Logger: A. Johnson #81226, I&A South 12/06/98 15:05CIG, E. Rowland #43784 updated.... A. Johnson #812267/11/02 R. Colanero #26498: Added notification info. from voided incident #121751, MEDS  
A PALL UNIT ON THE FLAT BED OF TRUCK NUMBER 40751 FAILED CAUSING THE SPILL. CLEAN UP IS COMPLETE. CON ED 121-751

Material:

Site ID: 69463  
Operable Unit ID: 1072064  
Operable Unit: 01  
Material ID: 315048  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons  
Recovered: 2  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

H50  
NW  
< 1/8  
0.079 mi.  
419 ft.

-NYCT  
28TH ST/11TH AVE  
NEW YORK, NY  
Site 11 of 21 in cluster H

NY Spills S106017729  
N/A

Relative:  
Lower

SPILLS:

Facility ID: 0305824  
DER Facility ID: 173835  
Facility Type: ER  
Site ID: 209665  
DEC Region: 2  
Spill Date: 9/2/2003  
Spill Number/Closed Date: 0305824 / Not Closed  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
10 ft.

SWIS: 3101  
Investigator: RJFENG  
Referred To: Not reported  
Reported to Dept: 9/2/2003  
CID: 281  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 1  
Date Entered In Computer: 9/2/2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**-NYCT (Continued)**

**S106017729**

Spill Record Last Update: 6/5/2012  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: RICHARD WETHERBEE  
Contact Phone: (212) 363-4223 36  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"11/12/10 - spill re-assigned from Tibbe to Joe O'Connell2/7/2012 - changed Lead DEC from Joe O'Connell to JFeng. Toni Watts is the NYCT case manager. Her phone is (646) 252-5939. Her e-mail is Toni.Watts@nyct.com.  
Remarks: Soil contamination discovered during boaring at above location.

Material:  
Site ID: 209665  
Operable Unit ID: 872423  
Operable Unit: 01  
Material ID: 503061  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

H51  
WNW  
< 1/8  
0.080 mi.  
423 ft.

**WATERFRONT NY REALTOR  
271 11 AVE  
MANHATTAN, NY  
Site 12 of 21 in cluster H**

**NY Spills S104495235  
N/A**

**Relative:  
Lower**

SPILLS:  
Facility ID: 9611656  
DER Facility ID: 276592  
Facility Type: ER  
Site ID: 255437  
DEC Region: 2  
Spill Date: 12/24/1996  
Spill Number/Closed Date: 9611656 / 12/24/1996  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 12/24/1996  
CID: 312  
Water Affected: Not reported  
Spill Source: Tank Truck  
Spill Notifier: Responsible Party

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WATERFRONT NY REALTOR (Continued)**

**S104495235**

Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/24/1996  
Spill Record Last Update: 1/6/1997  
Spiller Name: CHARLIE  
Spiller Company: MYSTIC OIL  
Spiller Address: 19-01 STEINWAY ST  
Spiller City,St,Zip: ASTORIA, ZZ  
Spiller Company: 001  
Contact Name: CHARLIE  
Contact Phone: (718) 932-9075  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"  
Remarks: DEFECTIVE GAUGE ON THE TANK - CLEANUP IN PROCESS

Material:

Site ID: 255437  
Operable Unit ID: 1039594  
Operable Unit: 01  
Material ID: 340308  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 25  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 9002583  
DER Facility ID: 279986  
Facility Type: ER  
Site ID: 255436  
DEC Region: 2  
Spill Date: 1/1/1988  
Spill Number/Closed Date: 9002583 / 1/18/2006  
Spill Cause: Deliberate  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)  
SWIS: 3101  
Investigator: JCGRATHW  
Referred To: Not reported  
Reported to Dept: 6/6/1990  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Citizen  
Cleanup Ceased: Not reported  
Cleanup Meets Std: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WATERFRONT NY REALTOR (Continued)**

**S104495235**

Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/13/1990  
Spill Record Last Update: 2/1/2006  
Spiller Name: Not reported  
Spiller Company: SAME  
Spiller Address: Not reported  
Spiller City,St,Zip: NN  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo:

1/18/06 - Performed site inspection. Difficulty finding the building as it is currently 261 11th Avenue (inclusive 271). Building sup't Ali provided access to the basement. He was employed by this building management and recalled the spill. He knows the spill amount is a gross overestimation. Noted 2 large aboveground petroleum storage tanks. No oil on floor or adjacent drain/sump. Former spill area clean and took photos. Spill closed. 6/15/05 - No file. DEC Lead changed to Grathwol. Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "M TIBBE"

Remarks: EMPLOYEE TOLD TO REMOVE ASBESTOS FROM BOILER AND DISPOSE IN GARBAGE  
BACK SUMP LOADED WITH #6 FUEL OIL

Material:

Site ID: 255436  
Operable Unit ID: 940600  
Operable Unit: 01  
Material ID: 437324  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 73500  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 255436  
Operable Unit ID: 940600  
Operable Unit: 01  
Material ID: 437325  
Material Code: 0026A  
Material Name: ASBESTOS  
Case No.: 01332214  
Material FA: Hazardous Material  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WATERFRONT NY REALTOR (Continued)**

**S104495235**

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

**H52**  
**WNW**  
**< 1/8**  
**0.080 mi.**  
**423 ft.**

**271 11TH AVE**  
**271 11TH AVE**  
**MANHATTEN, NY**  
**Site 13 of 21 in cluster H**

**NY LTANKS** **S102671246**  
**N/A**

**Relative:**  
**Lower**

**LTANKS:**

**Actual:**  
**9 ft.**

Site ID: 255435  
Spill Number/Closed Date: 8710036 / 12/29/1988  
Spill Date: 2/29/1988  
Spill Cause: Tank Overfill  
Spill Source: Tank Truck  
Spill Class: Not reported  
Cleanup Ceased: 12/29/1988  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: TOMASELLO  
Referred To: Not reported  
Reported to Dept: 2/29/1988  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 3/2/1988  
Spill Record Last Update: 1/19/1989  
Spiller Name: Not reported  
Spiller Company: WATERFRONT REALTY  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 209227  
DEC Memo: Not reported  
Remarks: SPILL CONTAINED IN TANK VAULT ROOM OF BUILDING, OCCURRED DURING DELIVERY.

**Material:**

Site ID: 255435  
Operable Unit ID: 914958  
Operable Unit: 01  
Material ID: 461823  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1000  
Units: Gallons

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**271 11TH AVE (Continued)**

**S102671246**

Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**H53  
NW  
< 1/8  
0.080 mi.  
424 ft.**

**WESTSIDE OPERATIONS CENTER  
281 11TH AVENUE  
NEW YORK, NY 10001  
Site 14 of 21 in cluster H**

**NY TANKS S102239843  
NY Spills N/A**

**Relative:  
Lower**

TANKS:  
Facility Id: 2-452793  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Program Type: PBS  
Expiration Date: 2013/08/23  
UTM X: 584054.48082000006  
UTM Y: 4511724.5991000002

**Actual:  
10 ft.**

**SPILLS:**

Facility ID: 0506426  
DER Facility ID: 298914  
Facility Type: ER  
Site ID: 351642  
DEC Region: 2  
Spill Date: 8/24/2005  
Spill Number/Closed Date: 0506426 / 7/2/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: GDBREEN  
Referred To: Not reported  
Reported to Dept: 8/24/2005  
CID: 407  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/24/2005  
Spill Record Last Update: 7/2/2007  
Spiller Name: Not reported  
Spiller Company: NYU  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: ERT DESK'  
Contact Phone: (212) 580-8383

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WESTSIDE OPERATIONS CENTER (Continued)**

**S102239843**

DEC Memo: 160699. On 8/24/05 at 15:24 P. Matsis # 85647 of transportation called to report that at 14:39 J. Baptiste the guard from W. 28 St yard reported to him that a N.Y. University trolley bus license plate 33218BA had spilled 1 qt of antifreeze near the gas pumps at W. 28 St while gassing up. The fluid landed onto concrete. There were no sewers or waterways affected. No fire or smoke was involved. No private property was affected. No injuries were related to the spill. The cleanup was started at 14:42 and completed at 14:55. The crew was R. Cardio # 12238, E. Cross # 05574. They used pads and granules & will dispose of the waste in W. 28 St transportation. 8/24/05 16:12 CIG T. Enright # 48536 was notified. \* R. Bruns # 21106

Remarks: amount 1 quart, contained #160699

Material:  
Site ID: 351642  
Operable Unit ID: 1109142  
Operable Unit: 01  
Material ID: 2099129  
Material Code: 0043A  
Material Name: ANTIFREEZE  
Case No.: Not reported  
Material FA: Other  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 9601370  
DER Facility ID: 163007  
Facility Type: ER  
Site ID: 195653  
DEC Region: 2  
Spill Date: 4/26/1996  
Spill Number/Closed Date: 9601370 / 5/12/1996  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: CAENGELH  
Referred To: Not reported  
Reported to Dept: 4/26/1996  
CID: 349  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/26/1996  
Spill Record Last Update: 4/16/1998

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WESTSIDE OPERATIONS CENTER (Continued)**

**S102239843**

Spiller Name: MR CIAVARRA  
Spiller Company: CON ED  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: MR CIAVARRA  
Contact Phone: (212) 643-3059  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"  
Remarks: pail was knocked over in garage

Material:  
Site ID: 195653  
Operable Unit ID: 1029020  
Operable Unit: 01  
Material ID: 351177  
Material Code: 0043A  
Material Name: ANTIFREEZE  
Case No.: Not reported  
Material FA: Other  
Quantity: 2  
Units: Gallons  
Recovered: 2  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

H54  
NW  
< 1/8  
0.080 mi.  
424 ft.

**CON ED FACILITY  
11TH AVE WEST 28TH ST  
MANHATTAN, NY**

**NY Spills S105058233  
N/A**

**Site 15 of 21 in cluster H**

**Relative:  
Lower**

SPILLS:  
Facility ID: 0103001  
DER Facility ID: 163248  
Facility Type: ER  
Site ID: 195947  
DEC Region: 2  
Spill Date: 6/18/2001  
Spill Number/Closed Date: 0103001 / 6/18/2001  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 6/18/2001  
CID: 397  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported

**Actual:  
10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON ED FACILITY (Continued)**

**S105058233**

Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/18/2001  
Spill Record Last Update: 6/18/2001  
Spiller Name: SAME  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PL  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: CALLER  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"e2mis notes:approximately 1 pint of unknown oil adjacent to waste facility (pit) located in the West 28th St. Yard. He was walking by the pit area when he found a puddle of unknown oil by the waste pit. The oil had spilled on the concrete and part of soil. The source and the cause of the spill is unknown. Environmental Services support personnel will clean this spill up as an "over 50" clean up. Clean up started at 1157 hrs.Update @ 1245 hrs. - clean up completed at 1240 hrs.

Remarks: discovered oil next to a pit. unk cause con ed#137719

Material:

Site ID: 195947  
Operable Unit ID: 839601  
Operable Unit: 01  
Material ID: 535104  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

I55  
WNW  
< 1/8  
0.081 mi.  
428 ft.

WEST 27TH ST/11TH AVE  
MANHATTEN, NY

Site 1 of 10 in cluster I

NY Spills S104951212  
N/A

Relative:  
Lower

SPILLS:

Facility ID: 0011180  
DER Facility ID: 177807  
Facility Type: ER  
Site ID: 214610  
DEC Region: 2  
Spill Date: 1/13/2001  
Spill Number/Closed Date: 0011180 / 2/13/2001  
Spill Cause: Human Error

Actual:  
8 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S104951212

Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101

Investigator: JHOCONNE

Referred To: Not reported

Reported to Dept: 1/13/2001

CID: 281

Water Affected: Not reported

Spill Source: Commercial/Industrial

Spill Notifier: Affected Persons

Cleanup Ceased: Not reported

Cleanup Meets Std: False

Last Inspection: Not reported

Recommended Penalty: False

UST Trust: False

Remediation Phase: 0

Date Entered In Computer: 1/13/2001

Spill Record Last Update: 11/30/2007

Spiller Name: Not reported

Spiller Company: FELIX CONTRACTORS

Spiller Address: UNKNOWN

Spiller City,St,Zip: ZZ

Spiller Company: 001

Contact Name: JIM FOX

Contact Phone: (212) 580-6763

DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"1/13/01: Tim DeMeo responded off-hours and called O'Connell for guidance. I advised him to remain on-site until temporary clamp was installed. Total leak amount 6500 gallons. (JHO)DeMeo's notes:Felix Industries, while performing contract work for Con Ed, cut into housing of 5-inch feeder cable. The work being performed was a saw-cut across 11th Avenue. Upon arrival Con Ed, NYPD and FDNY were on-scene. Material contained using sand dikes with minor impacts to sewers. Clean Harbors and S&D were retained by Con Ed for clean up. Street and sidewalk were to be pressure washed after absorbents cleaned up. (TD)1/17/01: Chem lab on-site collecting post-ex samples, as follows: 4 sidewalls, 2 floor for benzene, TPH df. On site were John Tranchina (Con Ed TO) and Joe Floryshak (Con Ed Remediation). (JHO)2/13/01: lab results indicate no detectable levels of benzene. All TPH results all below 1000 ppm. Close out. (JHO)

Remarks: UNDERGROUND LINE STRUCK DURING CONSTRUCTION AT ABOVE LOCATION.LEAK IS STILL ACTIVE AT TIME OF CALL. CON ED ON SCENE AND MATERIALHAS BEEN CONTAINED. CON ED # NOT AVAILABLE, NO CALL BACK REQUESTED.UNKNOWN AMOUNT OIL WENT INTO THE SEWER UPDATED AT 17:58 01/13

Material:

Site ID: 214610

Operable Unit ID: 833253

Operable Unit: 01

Material ID: 541503

Material Code: 0541A

Material Name: DIELECTRIC FLUID

Case No.: Not reported

Material FA: Petroleum

Quantity: 0

Units: Gallons

Recovered: No

Resource Affected: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

(Continued)

S104951212

Oxygenate: False

Tank Test:

I56  
 WNW  
 < 1/8  
 0.082 mi.  
 432 ft.

**BORE HOLE**  
**WEST 27 STREET BTWN 10 & 11 AVE**  
**MANHATTAN, NY**

**Site 2 of 10 in cluster I**

**NY Spills S107488865**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

**Actual:**  
**9 ft.**

Facility ID: 0510434  
 DER Facility ID: 306468  
 Facility Type: ER  
 Site ID: 356410  
 DEC Region: 2  
 Spill Date: 11/21/2005  
 Spill Number/Closed Date: 0510434 / 12/30/2009  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:**  
 3101  
 Investigator: JMKRIMGO  
 Referred To: Not reported  
 Reported to Dept: 12/5/2005  
 CID: 407  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 12/5/2005  
 Spill Record Last Update: 12/30/2009  
 Spiller Name: Not reported  
 Spiller Company: NOT CON EDISON  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ  
 Spiller Company: 999  
 Contact Name: ERT DESK'  
 Contact Phone: (212) 580-8383  
 DEC Memo: 162129. Found @ 11:00 Nov 21,2005 Called E/V desk 14:48 Dec 05,2005. TEST BORE HOLE - SWK S/S W 27 ST BET 10 AVE & 11 AVE. Sherry R Login 96081,Senior Specialist reports that at this location on the above date Jacques Winford Inc was digging test bore holes, and one of the contractors Chad Pfeiffer reported to S.Login that the soil had an odor of oil or fuel to it. this is a 3rd party spill and is a Z: Abnormal Occurrence, for reporting reasons the amount found is one pound. And she also adds she was advised to call this desk by Thomas A Healy Environment, Health & Safety. There was no fire or smoke involved and no sewer or waterway was affected. There were no injuries related to the spill and no weather conditions contributed to the hazards of the spill. There was no private property affected.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORE HOLE (Continued)**

**S107488865**

The source and cause of the spill is unknown. Logger F.Curtis  
 38078Lab Sequence Number: 05-12590-001 MATRIX: SOIL GRABDESCRIPTION:  
 55 GAL DRUM - 00096LOCATION: W 28 ST YARDREGULATORYTEST DESCRIPTION  
 LIMIT mg/L RESULT UNIT  
 METHOD-----  
 -----(TCLP) RCRA Metals by EPA 200.7/200  
 Series/6010B/7000  
 Series-----  
 -----Arsenic as As 5.0 < 1.00 mg/L 1311/6010B,  
 SW-846Barium as Ba 100.0 < 10.0 mg/L 1311/6010B SW-846Cadmium as Cd  
 1.0 < 0.100 mg/L 1311/6010B SW-846Chromium as Cr 5.0 < 0.500 mg/L  
 1311/6010B SW-846Lead as Pb 5.0 < 0.500 mg/L 1311/6010B SW-846Mercury  
 as Hg 0.2 < 0.0200 mg/L SW-846 7470Selenium as Se 1.0 < 0.500 mg/L  
 1311/6010B, SW-846Silver as Ag 5.0 < 0.100 mg/L 1311/6010B  
 SW-846-----  
 -----Analyzed by: AmeriSci New YorkLogger  
 F.Curtis12/30/09. Indefinable address of the spill location. Unable  
 follow up. Case closed. JK.  
 Remarks: Test bore hole, found odor of petrol in soil. 3rd party spill.  
 1621129.

Material:  
 Site ID: 356410  
 Operable Unit ID: 1113715  
 Operable Unit: 01  
 Material ID: 2103780  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

157  
WNW  
< 1/8  
0.082 mi.  
432 ft.

11TH AVENUE & WEST 27TH S  
MANHATTEN, NY  
Site 3 of 10 in cluster I

NY Spills S104951624  
N/A

Relative:  
Lower

SPILLS:  
 Facility ID: 0013708  
 DER Facility ID: 108342  
 Facility Type: ER  
 Site ID: 125230  
 DEC Region: 2  
 Spill Date: 3/31/2001  
 Spill Number/Closed Date: 0013708 / 8/18/2009  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
 Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: JMKRIMGO

Actual:  
9 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S104951624

Referred To: Not reported  
Reported to Dept: 3/31/2001  
CID: 404  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/31/2001  
Spill Record Last Update: 8/18/2009  
Spiller Name: UNKNOWN  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*UPDATE\*\*\*, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: 08/18/09 - See eDocs for Con Ed report detailing cleanup and closure. Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"6/25/03 Requested additional information regarding old leaks from section of M54/M55 feeder which runs on 11th Ave between 23rd and 30th Sts. (KMF)9/8/04: Unrelated to App. B site 78 (located at W. 29th St.). Close out. (JHO)-----Con Ed e2mis #136202:@14:00 hrs. Felix construction digging on w/s 11 ave 80 's/o w.27 st. found unknown substance in soil excavation, while working for con edison, and reported to cib inspector. 8 cubic yards of stained soil in open excavation on side walk. Sample was taken @ 15:42 hrs. Lab Sequence #01-03171-001 Date Reported: 3/31/01 @ 21:25 hrs. Oil ID = OIL IDENTIFICATION: EXCAVATION: AN IDENTIFICATION OF THIS SAMPLE IS NOT POSSIBLE DUE TO THE INSUFFICIENT AMOUNT OF MATERIAL RECOVERED. 05/06/03 @ 8:40 - As per Joe Fleigner the non haz contaminated soil was removed by Clean Harbors.  
Remarks: DIGGING AT CONSTRUCTION SITE. A STAIN ON THE GROUND APPROX. 8 CUBIC YARDS WAS NOTICED. SAMPLES WERE TAKEN. CLEANUP PENDING INVESTIGATION.  
Material:  
Site ID: 125230  
Operable Unit ID: 835806  
Operable Unit: 01  
Material ID: 540406  
Material Code: 0064A  
Material Name: UNKNOWN MATERIAL  
Case No.: Not reported  
Material FA: Other  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

I58  
WNW  
< 1/8  
0.082 mi.  
432 ft.

**COMMERCIAL BUILDING**  
**260 11TH AVE**  
**NEW YORK CITY, NY**  
**Site 4 of 10 in cluster I**

**NY LTANKS** **S105994894**  
**N/A**

**Relative:**  
**Lower**

LTANKS:

**Actual:**  
**9 ft.**

Site ID: 275745  
Spill Number/Closed Date: 0109855 / 6/27/2005  
Spill Date: 1/9/2002  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: MJHAGGER  
Referred To: Not reported  
Reported to Dept: 1/11/2002  
CID: 282  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 1/11/2002  
Spill Record Last Update: 6/27/2005  
Spiller Name: ISAAC MUNGRA  
Spiller Company: COMMERCIAL BUILDING  
Spiller Address: 260 11TH AVE  
Spiller City,St,Zip: NEW YORK CITY, NY  
Spiller County: 001  
Spiller Contact: ISAAC MUNGRA  
Spiller Phone: (718) 624-4842  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 224181  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"6/27/05 - Haggerty - Recieved an invoice from Petroleum Tank Cleaners, Inc. detailing the clean-up and disposal of contaminats from the site. 18.89 tons of contaminated soil was removed and properly disposed of.  
Remarks: LEAKING TANK CAUSED THE SPILL SOME OF THE PRODUCT WENT INTO THE SUMP PIT.SPILL OCCURRED ON JAN 9TH.THEY SETUP A TEMPORARY TANK AND PUMPED OUT THE DAMAGED TANK.THE SPILL HAS NOT BEEN CLEANED UP AS OF YET.

Material:

Site ID: 275745  
Operable Unit ID: 848206  
Operable Unit: 01  
Material ID: 527499  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

COMMERCIAL BUILDING (Continued)

S105994894

Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

159  
WNW  
< 1/8  
0.082 mi.  
432 ft.

11TH AV BET 26TH & 27TH  
MANHATTAN, NY  
Site 5 of 10 in cluster I

NY Spills S106003393  
N/A

Relative:  
Lower

SPILLS:

Actual:  
9 ft.

Facility ID: 0201423  
DER Facility ID: 198433  
Facility Type: ER  
Site ID: 241335  
DEC Region: 2  
Spill Date: 5/8/2002  
Spill Number/Closed Date: 0201423 / 4/21/2003  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 5/8/2002  
CID: 211  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/8/2002  
Spill Record Last Update: 4/22/2003  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: BILL MURPHY  
Contact Phone: (212) 580-6763  
DEC Memo:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"E2mis no. 142-723:On 05/08/02 at 10:34 Kerry Watts #19705 reported that at 09:00 the con Edison subcontractor while digging a excavation for a 460 volt reach in two locations (45.5' s/s/c w 27 st and 92.5' s/s/c w27 st) they found app. Five gallons in each location of something that smelled like fuel oil mixed in the dirt. This is a third party spill of unknown origin. Chem. lab to take samples.Updated 8/7/2002 @ 15:50 - As per Joe Fleigner, Project Specialist Construction Management EHS the Lab sample results indicated no contamination ( Lab Seq. No. 02-04125 and 02-04126 date

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106003393

Remarks: May 9 and 12). The soil was handled was C&D and disposed of at an approved recycling facility. Incident Closed. Updated by Bharat Mukhi, Project Specialist CM EHS. caller had crew excvating and discovered unk oil in hole - sample will be taken - 2nd party spill - no clean up present time

Material:  
Site ID: 241335  
Operable Unit ID: 854691  
Operable Unit: 01  
Material ID: 522843  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

160  
WNW  
< 1/8  
0.082 mi.  
432 ft.

WEST 27TH STREET  
AND 11TH AVE  
MANHATTAN, NY  
Site 6 of 10 in cluster I

NY Spills S104952122  
N/A

Relative:  
Lower

SPILLS:  
Facility ID: 0011181  
DER Facility ID: 92901  
Facility Type: ER  
Site ID: 105271  
DEC Region: 2  
Spill Date: 1/13/2001  
Spill Number/Closed Date: 0011181 / 1/16/2001  
Spill Cause: Human Error  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 1/13/2001  
CID: 282  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Federal Government  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/13/2001  
Spill Record Last Update: 10/2/2002  
Spiller Name: Not reported

Actual:  
9 ft.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**WEST 27TH STREET (Continued)**

**S104952122**

Spiller Company: UNKNOWN FOR NOW  
 Spiller Address: SAME  
 Spiller City,St,Zip: ZZ  
 Spiller Company: 001  
 Contact Name: PO ORTEZ  
 Contact Phone: (718) 354-4136  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"Duplicate of spill # 0011180.  
 Remarks: A CONTRACTOR WAS WORKING IN THE AREA THERE AND STRUCK A UNDERGROUND FEEDER LINE NO FURTHER INFO ON THE CALL.

Material:  
 Site ID: 105271  
 Operable Unit ID: 833255  
 Operable Unit: 01  
 Material ID: 541504  
 Material Code: 0541A  
 Material Name: DIELECTRIC FLUID  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**G61**  
**East**  
**< 1/8**  
**0.086 mi.**  
**456 ft.**

**COMMERCIAL PROPERTY**  
**319-325 10TH AVE**  
**NEW YORK, NY 10001**  
**Site 6 of 9 in cluster G**

**NY Spills S108635852**  
**N/A**

**Relative:**  
**Higher**

SPILLS:  
 Facility ID: 0700172  
 DER Facility ID: 328945  
 Facility Type: ER  
 Site ID: 379465  
 DEC Region: 2  
 Spill Date: 4/5/2007  
 Spill Number/Closed Date: 0700172 / Not Closed  
 Spill Cause: Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**18 ft.**

SWIS: 3101  
 Investigator: rmpiper  
 Referred To: Not reported  
 Reported to Dept: 4/5/2007  
 CID: 444  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**COMMERCIAL PROPERTY (Continued)**

**S108635852**

UST Trust: False  
 Remediation Phase: 1  
 Date Entered In Computer: 4/5/2007  
 Spill Record Last Update: 1/9/2012  
 Spiller Name: VIC RICCHEZZA  
 Spiller Company: COMMERCIAL PROPERTY  
 Spiller Address: 319-325 10TH AVE  
 Spiller City,St,Zip: NEW YORK, NY 001  
 Spiller Company: VIC RICCHEZZA  
 Contact Name: (212) 768-0516  
 Contact Phone: DEC Memo: DECP iper spoke w. Vic, as per conversation plans are for a high rise. The property is three sep lots and all had some type of cont. Vic will forward Phase I and II and a work plan is going to be drawn up. This site is a E-des. site and will be monitored by DEP.High Line Development Group.Michael Shanbrook212-937-8861 As per GZA, funding was lost in 2008. 1/9/12- csl sent to High Line Development Group.Michael Shanbrook550 W 29th St.NY, NY 10001  
 Remarks: WHILE TESTING SOIL AT ABOVE LOCATIONS FOUND CONTAMINATED SOIL: ALL PROPERTIES WERE EFFECTED

Material:  
 Site ID: 379465  
 Operable Unit ID: 1136946  
 Operable Unit: 01  
 Material ID: 2126889  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**G62**  
**ENE**  
**< 1/8**  
**0.087 mi.**  
**460 ft.**

**FORMER GAS STATION**  
**327 10TH AVE**  
**NEW YORK, NY**  
**Site 7 of 9 in cluster G**

**NY Spills S108636696**  
**N/A**

**Relative:**  
**Higher**

SPILLS:  
 Facility ID: 0701228  
 DER Facility ID: 330126  
 Facility Type: ER  
 Site ID: 380698  
 DEC Region: 2  
 Spill Date: 4/30/2007  
 Spill Number/Closed Date: 0701228 / Not Closed  
 Spill Cause: Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: rmpiper

**Actual:**  
**18 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER GAS STATION (Continued)**

**S108636696**

Referred To: Not reported  
Reported to Dept: 4/30/2007  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 1  
Date Entered In Computer: 4/30/2007  
Spill Record Last Update: 10/22/2007  
Spiller Name: PETER FILIBERTO  
Spiller Company: FORMER GAS STATION  
Spiller Address: 327 10TH AVE  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: PETER FILIBERTO  
Contact Phone: (646) 957-6668  
DEC Memo: CSL sent to property owner: (copy faxed to Mr Ray Kahn 212-330-7505)Mr. Peter J. Filiberto327 10th Ave Corp.45-54 61st StreetWoodside, NY 11377tanks will be pulled.6/7/08- DEC Piper psoko w. Ray Kahn, They have found 6 ust's filled w. water. They are pumping them out today and will begin removal. endpoints will be collected.10/1/07- DECP iper reived call from Ray Espo. The excavation has been open for some time now and is not covered. There is gross soil contaminaiton that is being washed down. Investigaiton.work needed letter sent to Mr. Peter J. Filiberto327 10th Ave Corp.10/9/07- DEC Piper revied subsurface investigation of adjacent property, open spill 0700172. A high rise is going to be built on four lots which includes 321-325 10th Ave. Soil borings revealed no VOC's in soil though BTEX constituents and MtBE were found in GW. Some constituents were under TAGM and some were over, particularly MTBE at 471 ppb at 321 10th ave most downgradient well. The suspect source of the dissolved contaminants are the adjacent gasoline station at 327 10th ave.(This spill site)\*\*\*\*\*  
\*\*\*\*\*10/22/07- DEC Piper spoke with David Lent of IVI Env. They are putting together a work plan. The site will be redeveloped with a high rise. Excavation of the entire site will be part of the project. IVI will conduct a subsurface investigation to delineate the soils and gw.

Remarks: DURING A PHASE TWO, FOUND CONTAMIANTED SOIL

Material:  
Site ID: 380698  
Operable Unit ID: 1138177  
Operable Unit: 01  
Material ID: 2128155  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER GAS STATION (Continued)**

**S108636696**

Resource Affected: Not reported  
Oxygenate: False  
Site ID: 380698  
Operable Unit ID: 1138177  
Operable Unit: 01  
Material ID: 2128156  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**H63  
NW  
< 1/8  
0.087 mi.  
461 ft.**

**WEST 28TH ST YARD  
WEST 28TH ST YARD  
MANHATTEN, NY  
Site 16 of 21 in cluster H**

**NY Spills S102446675  
N/A**

**Relative:  
Lower  
  
Actual:  
10 ft.**

**SPILLS:**  
Facility ID: 9610781  
DER Facility ID: 78686  
Facility Type: ER  
Site ID: 85673  
DEC Region: 2  
Spill Date: 11/30/1996  
Spill Number/Closed Date: 9610781 / 12/2/1996  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
  
**SWIS:**  
Investigator: MMMULQUE  
Referred To: Not reported  
Reported to Dept: 11/30/1996  
CID: 199  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/30/1996  
Spill Record Last Update: 12/5/1996  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller Company: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 28TH ST YARD (Continued)**

**S102446675**

Contact Name: RICHARD ROACH  
Contact Phone: (212) 580-6764  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MULQUEEN"  
Remarks: LEAK IN CON ED TRUCK CAUSED APPROX 2 GAL TO LEAK UNTO GROUND MATERIAL CLEANED UP BY CON ED  
Material:  
Site ID: 85673  
Operable Unit ID: 1038695  
Operable Unit: 01  
Material ID: 342998  
Material Code: 0028A  
Material Name: ETHYLENE GLYCOL  
Case No.: 00107211  
Material FA: Hazardous Material  
Quantity: 2  
Units: Gallons  
Recovered: 2  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**H64  
NW  
< 1/8  
0.087 mi.  
461 ft.**

**WESTSIDE SERVICE CENTER  
WEST 28TH ST  
MANHATTAN, NY  
Site 17 of 21 in cluster H**

**NY Spills S103567609  
N/A**

**Relative:  
Lower**

**SPILLS:**

Facility ID: 9510282  
DER Facility ID: 256666  
Facility Type: ER  
Site ID: 318421  
DEC Region: 2  
Spill Date: 11/16/1995  
Spill Number/Closed Date: 9510282 / 11/21/1997  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 11/16/1995  
CID: 351  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/16/1995  
Spill Record Last Update: 3/2/1998

**Actual:  
10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WESTSIDE SERVICE CENTER (Continued)**

**S103567609**

Spiller Name: Not reported  
Spiller Company: CON EDISON  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: NEW YORK, NY 10003  
Spiller Company: 001  
Contact Name: JEFF GNALL  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"Six pails of solid waste (approx. 1.5 gallons) in drum on pallet in preparation for transit to Astoria fell in yard. 80 ppm PCB content. Cleanup completed.  
Remarks: MATERIAL WAS RECOVERED FROM MAN HOLES

Material:  
Site ID: 318421  
Operable Unit ID: 1024759  
Operable Unit: 01  
Material ID: 361209  
Material Code: 1711A  
Material Name: SOLID WASTE  
Case No.: Not reported  
Material FA: Other  
Quantity: 6  
Units: Gallons  
Recovered: 6  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**H65**  
**NW**  
**< 1/8**  
**0.087 mi.**  
**461 ft.**

**WEST 28TH STREET YARD**  
**WEST 28TH STREET YARD**  
**MANHATTAN, NY**  
**Site 18 of 21 in cluster H**

**NY Spills** **S102446792**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**  
Facility ID: 9611698  
DER Facility ID: 96567  
Facility Type: ER  
Site ID: 110143  
DEC Region: 2  
Spill Date: 12/26/1996  
Spill Number/Closed Date: 9611698 / 6/3/1998  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
**SWIS:**  
Investigator: CAENGELH  
Referred To: Not reported  
Reported to Dept: 12/26/1996  
CID: 205  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False

**Actual:**  
**10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 28TH STREET YARD (Continued)**

**S102446792**

Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/26/1996  
Spill Record Last Update: 6/3/1998  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: CALLER  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"  
Remarks: IQT SPILL ON GROUND FROM UNKNOWN VEHICLE.

Material:  
Site ID: 110143  
Operable Unit ID: 1039612  
Operable Unit: 01  
Material ID: 340349  
Material Code: 0043A  
Material Name: ANTIFREEZE  
Case No.: Not reported  
Material FA: Other  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**H66  
NW  
< 1/8  
0.087 mi.  
461 ft.**

**WEST 28TH ST YARD  
WEST 29TH ST  
MANHATTAN, NY  
Site 19 of 21 in cluster H**

**NY Spills S102961749  
N/A**

**Relative:  
Lower**

**SPILLS:**  
Facility ID: 9709006  
DER Facility ID: 105586  
Facility Type: ER  
Site ID: 121635  
DEC Region: 2  
Spill Date: 11/1/1997  
Spill Number/Closed Date: 9709006 / 11/4/1997  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
10 ft.**

**SWIS:**  
Investigator: CAENGELH  
Referred To: Not reported  
Reported to Dept: 11/1/1997  
CID: 369  
Water Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 28TH ST YARD (Continued)**

**S102961749**

Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/1/1997  
Spill Record Last Update: 7/3/2000  
Spiller Name: TIM SOILCH  
Spiller Company: CON EDISON  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY 10003  
Spiller Company: 001  
Contact Name: MR HCHUGH  
Contact Phone: (212) 338-3352  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"REFERRED TO SAM ARAKHAN OF HAZARDOUS MATERIALS UNIT.E-mail message from Lisa Lukshides, Con Ed ERT: The oil (approx 1 gal) came from an unknown source. Everything that was contaminated, flush truck and vault were all double washed. One of the ERTs visited the flush pit and it was determined that the oil remained in the pit and its holding tanks and no oil was discharged into the sewers. All material was disposed of as pcb contaminated. Clean up complete 2 Nov 97.CON ED E2MIS NOTES10-26-97 21:25hrs.Approx. 1 gal of unknown oil and 100 gals.of water in MH #33860The spill is contained, no waterways or sewers affected.Sample taken and tag installed #1007111-01-97 19:35Cleanup done as <1ppm.Astoria informed of possible contamination of foul oil truck. Astoria reported no liquid was picked up from this location but that cleanup was done by flush truck. This was confirmed and the flush truck reportedly quarantined in the W28th St Yard. Flush truck was dumped in Flush pit at approx. 09:00 on 10-3-97 Control Center was directed to notify CIG of possible PCB spill into sewer.11-02-97 19:48Flush Pit closed off11-02-97 20:25 ERT advises no need for chemist. All action should be based on lab results showing 75ppm 04:00ERT was at Flush pit and has ruled oil is contained to Flush Pit

Remarks: ORIG SPILL OCT 26TH-CON ED CALLED IN 1 GAL OIL TO 100 GAL WATER SPILL. GOT TEST RESULT OF LESS THAN 1 PPM PCB. CON ED THEN DUMPED MIXTURE IN A FLUSH PIT AT ABOVE ADRESS. GOT A SECOND TEST BACK SAYING IT HAD A 75 PPM PCB READING.

Material:

Site ID: 121635  
Operable Unit ID: 1055391  
Operable Unit: 01  
Material ID: 330941  
Material Code: 9999  
Material Name: Other -  
Case No.: Not reported  
Material FA: Other  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST 28TH ST YARD (Continued)

S102961749

Tank Test:

J67  
South  
< 1/8  
0.088 mi.  
464 ft.

AVENUES THE WORLD SCHOOL  
259 10TH AVE  
NEW YORK, NY 10001

NY Spills S110751780  
N/A

Site 1 of 7 in cluster J

Relative:  
Lower

SPILLS:

Facility ID: 1010868  
DER Facility ID: 399381  
Facility Type: ER  
Site ID: 444485  
DEC Region: 2  
Spill Date: 1/24/2011  
Spill Number/Closed Date: 1010868 / 4/16/2012  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
12 ft.

SWIS:

Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 1/24/2011  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/24/2011  
Spill Record Last Update: 4/16/2012  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: MICHAEL TUMULTY  
Contact Phone: (212) 614-3369  
DEC Memo:

Spoke with Michael at STV INC. The site is an abandoned, former wire house. There is a 10,000 gallon #6 oil UST on premises. Soil borings performed around the tank showed contamination. The site is "E" designated. A summary report will be sent to DEC after the investigation is completed. The site is proposed to be converted to a private school. Future School authority: Avenues Worlds School Attn: Raymond Bordwell 115 1st Avenue #2 Floor New York, NY 10003 (646) 225-6284 12/09/11 Email from Brian Connolly on 12/07/11 wrote: "As a part of the remediation process, STV directed the first in a series of product recovery from three (3) on-site wells today (12/7/2011). Brookside Environmental removed 1,500 gallons of groundwater via a vac-truck. The groundwater exhibited a slight sheen on the surface but no discernable and/or quantifiable product was observed during the event. A slight odor but no PID readings were

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AVENUES THE WORLD SCHOOL (Continued)**

**S110751780**

recorded. The next event is scheduled approximately two weeks from today's event. "04/16/12 Spill closure report in edocs. STV prepared the closure report. 10,000 gallon UST was removed along with associated piping. Excavation extended 2 ft below the ground water to remove petroleum contaminated material. Installed two recovery wells in the loading bay and one in the pump room of the cellar. Installed a vapor barrier system beneath the entire disturbed slab areas and foundation sidewalls. Installed two offsite monitoring wells to the south and west of the building foot print. Post remediation ground water samples result showed no VOC or SVOCs above DEC guidelines. Case closed.

Remarks: Abandoned tank on was found on the property, soil boring showed #6 fuel in the soil.

Material:

Site ID: 444485  
 Operable Unit ID: 1194932  
 Operable Unit: 01  
 Material ID: 2190854  
 Material Code: 0003A  
 Material Name: #6 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Not reported  
 Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**J68**  
**SSE**  
 < 1/8  
 0.088 mi.  
 466 ft.

**AUTO SHOP**  
**279 10TH AVE**  
**NEW YORK, NY**  
 Site 2 of 7 in cluster J

**NY Spills S107415821**  
**N/A**

**Relative:**  
**Higher**

SPILLS:  
 Facility ID: 0508142  
 DER Facility ID: 301029  
 Facility Type: ER  
 Site ID: 353681  
 DEC Region: 2  
 Spill Date: 10/7/2005  
 Spill Number/Closed Date: 0508142 / 5/5/2006  
 Spill Cause: Housekeeping  
 Spill Class: Not reported  
 SWIS: 3101  
 Investigator: JBVOUGHT  
 Referred To: Not reported  
 Reported to Dept: 10/7/2005  
 CID: 444  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Citizen  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False

**Actual:**  
**14 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO SHOP (Continued)**

**S107415821**

Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/7/2005  
Spill Record Last Update: 5/5/2006  
Spiller Name: MORRIS  
Spiller Company: AUTO SHOP  
Spiller Address: 279 10TH AVE  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: MORRIS  
Contact Phone: (212) 564-2626  
DEC Memo: 10/7/05-Vought-As per DEC Sangesland (Duty Desk Officer). Great Bear Auto Repair. PBS records show two waste oil USTs (300 gal and 275-gallon). Caller says one of the auto repair bays (near the restroom) has a metal cement plate over a vault area which the owner has dumped waste oil illegally. The caller is associated with someone who was recently fired from his job at Great Bear. Sangesland forwarded this site to DLE for inspection/enforcement. ECO Michael Jordan assigned to the case. 11/7/05-Vought-DEC Austin received anonymous call on 11/4/05 from callers acquaintance who "worked for New York State" but would not leave name or contact info but wanted an update on the spill. Vought called ECO Jordan and spoke to him and he will perform site visit today and contact Vought with results. 11/17/2005 Sangesland - anonymous caller called again asking for an update on the spill case. 12/1/05-Vought-Site visit performed including DEC Vought, DEC Piper as per DEC Austin. No metal cement plates or concrete patches in bay next to bathroom. Concrete is unbroken. As per onsite mechanic (David) as waste oil tank was located in bay 15 years ago and was abandoned in place. Vought spoke to tenant (Moe Givner 646-721-0642) and he has been tenant for only three years. As per Moe, owner's address is: 26-10 Corporation Park-It Management 250 West 26th Street New York, NY 10001 Vought spoke with DEC Austin and instructed to check on PBS registration of tank. PBS registration requirements effective as of 1/14/95 and since UST was abandoned 15 years ago it is not required to be registered. Further investigation not warranted as per DEC Austin due to anecdotal nature of information. Spill closed as per Austin.  
Remarks: BURIED 200 GALLONS PLUS UNDER A DYNO METER, RIGHT SIDE OF PROPERTY NEAR BATHROOM: IT IS FLAMMABLE COVER IT WITH METAL AND THEN CEMENT:

Material:  
Site ID: 353681  
Operable Unit ID: 1111130  
Operable Unit: 01  
Material ID: 2101172  
Material Code: 0015  
Material Name: Motor Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO SHOP (Continued)**

**S107415821**

Tank Test:

**J69**  
**SSE**  
**< 1/8**  
**0.090 mi.**  
**475 ft.**

**216786; W 26 ST AND W 10 AV**  
**W 26 ST AND W 10 AV**  
**NEW YORK, NY**

**NY Spills S110307151**  
**N/A**

**Site 3 of 7 in cluster J**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0914211  
DER Facility ID: 387212  
Facility Type: ER  
Site ID: 433204  
DEC Region: 2  
Spill Date: 5/12/2009  
Spill Number/Closed Date: 0914211 / 5/18/2009  
Spill Cause: Unknown  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**14 ft.**

**SWIS:** 3101  
Investigator: DMPOKRZY  
Referred To: Not reported  
Reported to Dept: 3/30/2009  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/16/2010  
Spill Record Last Update: 4/16/2010  
Spiller Name: ERT DESK  
Spiller Company: CON EDISON  
Spiller Address: 5030 BROADWAY  
Spiller City,St,Zip: New York, NY  
Spiller Company: 001  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383  
DEC Memo: Not reported  
Remarks: Not reported

**Material:**

Site ID: 433204  
Operable Unit ID: 1184115  
Operable Unit: 01  
Material ID: 2178325  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**216786; W 26 ST AND W 10 AV (Continued)**

**S110307151**

Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**J70**  
**SSE**  
**< 1/8**  
**0.091 mi.**  
**479 ft.**

**VAULT 4967**  
**279 10TH AVE**  
**MANHATTAN, NY**  
**Site 4 of 7 in cluster J**

**NY Spills S110309167**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**14 ft.**

**SPILLS:**  
Facility ID: 1002013  
DER Facility ID: 390012  
Facility Type: ER  
Site ID: 435110  
DEC Region: 2  
Spill Date: 5/21/2010  
Spill Number/Closed Date: 1002013 / 1/13/2011  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:**  
Investigator: RWAUSTIN  
Referred To: Not reported  
Reported to Dept: 5/21/2010  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/21/2010  
Spill Record Last Update: 1/13/2011  
Spiller Name: ERT  
Spiller Company: UNKNOWN  
Spiller Address: 279 10TH AVE  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: ERT  
Contact Phone: (212) 580-8383  
DEC Memo: 1/13/11 - Austin - Antifreeze in vault - Con Ed contained and cleaned up the spill - see eDocs for more information - Spill closed - end  
Remarks: Spill has been contained. Spill was discovered on 05/20/10 at 2100 hrs, and then became reportable on 05/21/10 17:12 hrs. Clean up is pending

**Material:**  
Site ID: 435110  
Operable Unit ID: 1185901  
Operable Unit: 01  
Material ID: 2180665

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**VAULT 4967 (Continued)**

**S110309167**

Material Code: 0043A  
 Material Name: ANTIFREEZE  
 Case No.: Not reported  
 Material FA: Other  
 Quantity: 1  
 Units: Gallons  
 Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**G71**  
**ENE**  
**< 1/8**  
**0.091 mi.**  
**479 ft.**

**VACANT LOT**  
**327 10TH AVE.**  
**MANHATTAN, NY**  
**Site 8 of 9 in cluster G**

**NY Spills S108637926**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0702824  
 DER Facility ID: 332068  
 Facility Type: ER  
 Site ID: 382628  
 DEC Region: 2  
 Spill Date: 6/7/2007  
 Spill Number/Closed Date: 0702824 / 6/8/2007  
 Spill Cause: Deliberate  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**18 ft.**

**SWIS:**  
 3101  
 Investigator: smsanges  
 Referred To: Not reported  
 Reported to Dept: 6/7/2007  
 CID: 406  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Citizen  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 6/7/2007  
 Spill Record Last Update: 6/8/2007  
 Spiller Name: Not reported  
 Spiller Company: UNKNOWN  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: GIL EL  
 Contact Phone: (212) 265-3088  
 DEC Memo:

This is a citizen's call about an existing ongoing spill case managed by Ryan Piper. Sangesland called the citizen and told him the case is already being managed by the DEC.

Remarks: Caller says people are pulling old oil tanks from the ground without

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**VACANT LOT (Continued)**

**S108637926**

permits at 327 10th Ave. Would like DEC to call. (Caller says that he cannot see any actual spillage)

Material:  
 Site ID: 382628  
 Operable Unit ID: 1140016  
 Operable Unit: 01  
 Material ID: 2130066  
 Material Code: 0064A  
 Material Name: UNKNOWN MATERIAL  
 Case No.: Not reported  
 Material FA: Other  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**G72**  
**ENE**  
 < 1/8  
 0.091 mi.  
 479 ft.

**MORGAN PARKING LOT**  
**W 29 ST / 10 AVE**  
**MANHATTAN, NY**  
**Site 9 of 9 in cluster G**

**NY Spills S102142029**  
**N/A**

**Relative:**  
**Higher**

SPILLS:  
 Facility ID: 8907464  
 DER Facility ID: 59048  
 Facility Type: ER  
 Site ID: 60493  
 DEC Region: 2  
 Spill Date: 10/27/1989  
 Spill Number/Closed Date: 8907464 / 6/20/1995  
 Spill Cause: Human Error  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS:  
 Investigator: 3101  
 Referred To: FINGER  
 Referred To: Not reported  
 Reported to Dept: 10/27/1989  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Affected Persons  
 Cleanup Ceased: 6/20/1995  
 Cleanup Meets Std: True  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 11/3/1989  
 Spill Record Last Update: 4/15/2003  
 Spiller Name: Not reported  
 Spiller Company: CROWN CONSTRUCTION CO  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ

**Actual:**  
**18 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN PARKING LOT (Continued)**

**S102142029**

Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: 275 GAL TANK STRUCK BY BACKHOE. THIS PREVIOUSLY WAS A TANK IN THE BASEMENT OF A BLDG RAZED IN 1962. TANK LEFT THERE BY TYREE BROS. WILL CALL MONDAY ABOUT CLEANING.

Material:  
Site ID: 60493  
Operable Unit ID: 935068  
Operable Unit: 01  
Material ID: 444254  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**E73**  
**SW**  
**< 1/8**  
**0.091 mi.**  
**483 ft.**

**543 - 545 WEST 25TH ST**  
**MANHATTAN, NY**

**NY LTANKS S105995914**  
**N/A**

**Site 4 of 5 in cluster E**

**Relative:**  
**Lower**

LTANKS:  
Site ID: 291496  
Spill Number/Closed Date: 0201897 / 4/11/2003  
Spill Date: 5/22/2002  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**10 ft.**

Cleanup Ceased: Not reported  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 5/22/2002  
CID: 207  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 5/22/2002  
Spill Record Last Update: 4/11/2003  
Spiller Name: MARK ROBBINS ENV.CONSLT  
Spiller Company: ALSO KNOWN AS:  
Spiller Address: 525 WEST 25TH ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S105995914

Spiller City,St,Zip: MANHATTAN, NY  
Spiller County: 001  
Spiller Contact: JACK FUCHS - OWNER  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 236035  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"Question on proper address of this building. Originally called in as 525 W 25th. Later called 543-545 West 25th St.5/22/02 - Sangesland spoke with Mark Robbins of Hydro Tech (631-462-5866) cell # 516-996-5559Property owner Jack Fuchs - Whitehall Business Archives, Inc.40 Worth Street, NY, NY 10013Hydro Tech was pulling a buried 3,000 gal #2 oil tank from a parking lot. 15 ft to nearest neighbor, south end of tank is at the sidewalk line.They discovered 10 large holes in the tank. The pit has product in it. Hydro will vac out the hole and will excavate out contaminated soil to clean endpoints.If all contamination can not be excavated a remediation plan will be prepared and submitted.7/2/2002 - Mark Robbins of Hydro Tech submitted a report which outlines the removal of a UST and the over excavation of the tank pit area. Sidewall endpoint samples were all below TAGM levels for VOC and SVOC's except for a handful of slight exceedences. No bottom soil samples were taken because of the presence of ground water.Hydro Tech recommends the installation of a monitoring well in the north side of the excavation area. The well should be monitored for the presence of separate-phase and dissolved phase product.DEC instructs Hydro Tech to install a monitoring well on the site, develop the well and sample for VOC's and SVOC's. The DEC will require 2 rounds of "Clean" samples taken at least 3 months apart in order to close out. 10/29/2002 - Sangesland reviewed submittal from Hydro Tech Environmental. Water sample taken from monitoring well on site showed no product and sample was clean for everything except a minor hit 1.1 ug/l of Benzene. SVOC all below detect. 4/11/2003 - Sangesland reviewed a submittal from Hydro Tech dated Feb 28, 2003. This report shows the second round of GW sampling. All results were ND, therefore the spill can be closed out.Spill Closed.  
Remarks: case when assigned call the notifier 516 996 5559

Material:  
Site ID: 291496  
Operable Unit ID: 852853  
Operable Unit: 01  
Material ID: 523311  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**I74**  
**WSW**  
**< 1/8**  
**0.096 mi.**  
**507 ft.**

**WEST 26TH STREET AND**  
**W. 26TH ST & 11TH AVE**  
**MANHATTAN, NY**

**NY Spills**    **S103575539**  
**N/A**

**Site 7 of 10 in cluster I**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 9811687  
 DER Facility ID: 114815  
 Facility Type: ER  
 Site ID: 133618  
 DEC Region: 2  
 Spill Date: 12/16/1998  
 Spill Number/Closed Date: 9811687 / 12/17/1998  
 Spill Cause: Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**7 ft.**

**SWIS:**

Investigator: MCTIBBE  
 Referred To: Not reported  
 Reported to Dept: 12/16/1998  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial Vehicle  
 Spill Notifier: Fire Department  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 12/16/1998  
 Spill Record Last Update: 6/24/2004  
 Spiller Name: SAME  
 Spiller Company: MAR-CAN TRANS COMPANY  
 Spiller Address: 318 EAST 3RD STREET  
 Spiller City,St,Zip: MT VERNON, NY 10555-0  
 Spiller Company: 001  
 Contact Name: LT SMITH  
 Contact Phone: (212) 570-4261  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"CLEANED BY SANITATION. FAXED TO DEP.

**Remarks:**

school had a flat tire which turn a piece of the tire hit the gas tank and ruptured it.10 gallons went on to the road and 1 gallon went down the sewer.police is on the scene also.

**Material:**

Site ID: 133618  
 Operable Unit ID: 1072508  
 Operable Unit: 01  
 Material ID: 311973  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 11  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST 26TH STREET AND (Continued)

S103575539

Tank Test:

175  
WSW  
< 1/8  
0.096 mi.  
507 ft.

213997; 11 AVE AND AND 26TH ST  
11 AVE AND AND 26TH ST  
NEW YORK, NY

NY Spills S110306623  
N/A

Site 8 of 10 in cluster I

Relative:  
Lower

SPILLS:

Facility ID: 0814517  
DER Facility ID: 386296  
Facility Type: ER  
Site ID: 432663  
DEC Region: 2  
Spill Date: 10/7/2008  
Spill Number/Closed Date: 0814517 / 11/19/2008  
Spill Cause: Unknown  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
7 ft.

SWIS: 3101  
Investigator: DMPOKRZY  
Referred To: Not reported  
Reported to Dept: 12/31/2008  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/16/2010  
Spill Record Last Update: 4/16/2010  
Spiller Name: ERT DESK  
Spiller Company: CON EDISON  
Spiller Address: 5030 BROADWAY  
Spiller City,St,Zip: New York, NY  
Spiller Company: 001  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383  
DEC Memo: Not reported  
Remarks: Not reported

Material:

Site ID: 432663  
Operable Unit ID: 1183724  
Operable Unit: 01  
Material ID: 2177912  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 3  
Units: Gallons

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**213997; 11 AVE AND AND 26TH ST (Continued)**

**S110306623**

Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**I76  
 WSW  
 < 1/8  
 0.096 mi.  
 507 ft.**

**ON WALK WAY 200 FT EAST  
 OF 11 AVE-SO SIDE OF 26TH  
 MANHATTAN, NY  
 Site 9 of 10 in cluster I**

**NY Spills S106014490  
 N/A**

**Relative:  
 Lower**

**SPILLS:**

Facility ID: 0302140  
 DER Facility ID: 75417  
 Facility Type: ER  
 Site ID: 81521  
 DEC Region: 2  
 Spill Date: 5/30/2003  
 Spill Number/Closed Date: 0302140 / 11/4/2010  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
 Willing Responsible Party. Corrective action taken.

**Actual:  
 7 ft.**

**SWIS:**

Investigator: MCTIBBE  
 Referred To: 98-01954  
 Reported to Dept: 5/30/2003  
 CID: 199  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 5/30/2003  
 Spill Record Last Update: 11/4/2010  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller Company: 001  
 Contact Name: REBECCA TUMMON  
 Contact Phone: (212) 363-4223  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO" Soil borings show contamination up to 3' depth 11/04/2010: This boring was performed right in front of the former Penske site which is being remediated under spill #9801954.

Remarks:

caller's company doing boring samples at location - during handaugering for phase 2 geotech investigation - actual address maybe 560 west 26 th street - in front of truck rental business - black stains were found for first 36 ins with strong petro odor

Material:

Site ID: 81521

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ON WALK WAY 200 FT EAST (Continued)**

**S106014490**

Operable Unit ID: 868702  
Operable Unit: 01  
Material ID: 506624  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**K77**  
**WSW**  
**< 1/8**  
**0.100 mi.**  
**528 ft.**

**CONSTRUCTION SITE MTA # 7 LINE EXT**  
**220 11TH AVE**  
**MANHATTAN, NY**

**NY Spills S110751595**  
**N/A**

**Site 1 of 4 in cluster K**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 1201147  
DER Facility ID: 418213  
Facility Type: ER  
Site ID: 463820  
DEC Region: 2  
Spill Date: 5/4/2012  
Spill Number/Closed Date: 1201147 / Not Closed  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**8 ft.**

**SWIS:** 3101  
Investigator: HRPATEL  
Referred To: Not reported  
Reported to Dept: 5/4/2012  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 1  
Date Entered In Computer: 5/4/2012  
Spill Record Last Update: 1/9/2013  
Spiller Name: Not reported  
Spiller Company: HISTORIC  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: LEW WUNDERLICH  
Contact Phone: (347) 237-6249  
DEC Memo: Site is a 40ft x 100ft x very deep shaft used in the construction of

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE MTA # 7 LINE EXT (Continued)**

**S110751595**

the #7 subway extension on the corner of 11th Ave and West 26th St. Site had a building on it which was leveled several months ago. Now, a different contractor is dealing with buried utilities and structures and discovered a buried vault which housed an oil storage tank. Tank had been damaged and contractor has pumped it out, cleaned the tank, removed the tank and is now dealing with some contamination in the former vault area. They also had a problem with a minor mercury spill (1 oz) that came out of a pipe in the vault area. The whole thing is being excavated and will have end point samples taken. Mercury area was very small and that area will also be over excavated to ensure the mercury is fully removed. 05/09/12-Hiralkumar Patel. 2:28 PM:- received call from Nick from Skanska Railworks. they are working next to a 40 ft wide shaft. as part of the work, they have to install metal box piling to bedrock, next to the shaft on south side. during work, they discovered a diesel tank at 4 ft bg. they pumped out about 150 gal oil from the tank. the tank was sitting on a concrete pad. found sand underneath the concrete pad and then groundwater at 7 ft depth (right under the sand). they removed tank, concrete pad and sand. no PID readings were recorded in sand, but found layer of product on water table. the southern sidewall of the tank excavation is the concrete shaft wall and the northern sidewall was the former building's brick foundation wall. they removed the brick wall and remove some soil also towards north. excavation was extended to clean soil on the east side, but could not remove all contamination from the western sidewall due to a dewatering system in that area. asked Nick to collect endpoint sidewall samples from north, east and west sides. also asked to collect product sample for fingerprint analysis. Nick mentioned that as part of the project, they have to dewater the excavation and remove soil to bedrock. so all soil contamination at the former tank location area will be removed. the current tank excavation is about 5 ft wide, 10-12 ft long and 7 ft deep (to groundwater). he mentioned that the subject site was a former penske truck rental. during conversation, Nick mentioned about open spill number (9801954) at nearby building and suspects that could be the source for contamination in groundwater. informed Nick that owner of the subject site has to conduct investigation to prove any off-site impact. asked him to provide site owner's information (MTA or private party?). Nick Bishop Skanska USA Civil Northeast Environmental Health & Safety Ph. (718) 340-0735 (O) (917) 560-2869 (C) Fax (718) 340-0701 email: nicholas.bishop@skanska.com 3:24 PM:- sent email to Nick. asked him to collect endpoint sidewall soil samples, product sample for fingerprint analysis and removal of product from the excavation. also asked him to submit site address and property owner's contact info. email copied to Lew Wunderlich at MTA. 05/14/12-Hiralkumar Patel. 3:46 PM:- received email from Nick. they pump out impacted water from the excavation. he mentioned that analytical identified the free phase product to be diesel. they over-excavated the area and took endpoint samples from north, west and east sidewalls. 05/15/12-Hiralkumar Patel. 1:42 PM:- received email from Mary Coletti, project administrator for Coastal Environmental Group. she asked for analytical parameters needed for endpoint samples. Mary E. Coletti Project Administrator Coastal Environmental Group, Inc. Ph. (631) 234-4100 Ext. 3562 Fax (631) 234-4160 email: mcoletti@coastalgrp.net 05/18/12-Hiralkumar Patel. 10:07 AM:- received call from Nick. he asked about analytical methods. asked him to analyze endpoint samples for 8260/8270 parameters. he mentioned that

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE MTA # 7 LINE EXT (Continued)**

**S110751595**

they haven't installed any piling yet and the excavation is still open. asked him to check excavation hole as water might have recharged in it. asked him to check for thickness of product, if any.05/21/12-Hiralkumar Patel.2:57 PM:- received call from Nick. he mentioned that very little amount of oil seeped into excavation. they are waiting for endpoint sample results. he mentioned that there was some monitoring wells on the property. he does not know the purpose of those wells. he also mentioned that he received email last week about couple of wells needs to be installed in area where they work. he does not remember all the details. asked him to submit information about owner of the subject property. Nick mentioned that as per tank closing affidavit, address for the subject site is 220 11th Ave.alternate addresses: 220-240 11th Ave, 557-559 W 25th Street, 562-564 W 26th Stno PBS record for the site.other spills: 1010587. spill reported due to release of 250 gal Meyco Accelerator, chemical used for subway construction. case closed.05/23/12-Hiralkumar Patel.2:16 PM:- received email from Nick including property owner's contact info.220 Eleventh LLC/o The Moinian Group530 Fifth Avenue, Suite 1800New York, NY 10036Attn.: Oskar BrecherPh. (212) 808-4000 Ext. 237Fax (212) 808-4114email: oskar@moiniangroup.com05/24/12-Hiralkumar Patel.9:36 AM:- received call from Nick. he asked permission to backfill the excavation so they can install piling for their project. as contaminated soil from the work area has been removed, approved his request. informed him that the department may require additional investigation/cleanup, by the RP, based upon review of the sample results, once available.9:38 AM:- sent email to Nick approving his request to backfill the excavation.06/08/12-Hiralkumar Patel. DEC Sarah came to discuss the spill. she mentioned that the subject spill area is the part of former Penske operation and contamination found in the corner of the property could be the result of old spill on-site.1:15 PM:- received call from Rose-May from MTA. she will send results of soil and groundwater samples and a PBS application for registration of diesel tank found during work. Rose-May Toussaint-PortesMTACC/NYCT Sustainability and Environmental ManagementPh. (646) 252-3291email: rose-may.toussaint-portes@nyct.com06/11/12-Hiralkumar Patel.2:06 PM:- received email from Rose-May including a PBS application. it was unsigned application.2:21 PM:- received email from Rose-May including a tank update. abstract:- spill in northwest corner of Site A, adjacent to shaft- found a 550 gal diesel UST- about 160 gal diesel was in the tank- Coastal Environmental removed tank from the ground- found petroleum product in the excavation after removing tank- concrete pad underneath the contaminated soil- Coastal removed concrete pad and sand under the pad- continued to follow the contamination both in an eastward and westward direction- the north side of the excavation was brick and the south side of the excavation was the concrete collar from the shaft- product found to be #2 fuel oil- excavation is about 8 ft wide by 20 ft long and about 7 ft deep- collected total four samples on 05/08/12: two samples from waste pile, 1 sample from drum #1 and 1 sample from drum #2- collected total four samples on 05/10/12: two water samples and two soil samples- collected total four samples on 05/11/12: 1 sample from west sidewall, 1 sample from east sidewall, 1 sample from north sidewall and 1 sample from bottom- some SVOCs and minor VOCs found in sidewall and bottom samples collected on 05/11/1206/12/12-Hiralkumar Patel.1:56 PM:- spoke with Rose-May. asked her about results of

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE MTA # 7 LINE EXT (Continued)**

**S110751595**

groundwater samples for VOC and SVOC analyses, if done. she will check with the contractor.3:18 PM:- left message for Nick.discussed with DEC Austin. he asked to check with DEC Sarah. if contamination found is the part of larger plume, which is under remediation, then case can be closed and referred to old spill # 9801954. otherwise, case needs to be investigated separately.06/13/12-Hiralkumar Patel.12:11 AM:- received call from Nick. he mentioned that the area where tank was found has been backfilled to facilitate equipments needed for other work. he mentioned that if the required work was not completed then the tank area will be re-opened in future.12:36 PM:- sent email to Rose-May and asked her to submit signed PBS application to PBS unit.06/15/12-Hiralkumar Patel. discussed with DEC Austin and DEC Sarah. Sarah mentioned that several monitoring wells, installed by Penseke, have been destroyed during MTA's work on-site. she will check historical records to see if the diesel plume extended towards the intersection of 11th Ave and 26th Street. Austin mentioned that as a new tank was discovered during work, it is property owner's responsibility to investigate further. Austin asked to find out about dewatering in the area, as part of MTA work.Austin asked to investigate the subject spill separate from the former remediation project (spill #: 9801954). he mentioned that once the monitoring well installed at the site and based on findings in the well (free product/dissolved contamination) and with site-specific groundwater flow direction (which has been defined by Penseke as part of on-going remediation), case can be transferred to remediation group.10:59 AM:- left message for Nick.11:06 AM:- left message for Oskar Brecher, property owner/manager.11:08 AM:- left message for Rose-May inquiring about person-in-charge for MTA's work at the site.06/18/12-Hiralkumar Patel.10:25 AM:- received message from Rose-May. she asked to contact Jimmy Ho, construction manager from MTA.Jimmy HoConstruction ManagerMTAPh. (646) 252-8345 (O) (646) 201-1847 (C)email: jho@mtacc.info10:55 AM:- left message for Mr. Brecher.11:53 AM:- received call from Mr. Brecher. informed him about the spill report. informed him that the department requires further investigation in the area. he mentioned that MTA has a lease till end of Aug. 2014.06/19/12-Hiralkumar Patel.12:39 PM:- received message from Rose-May.12:44 PM:- left message for Rose-May.12:46 PM:- spoke with Mr. Ho. he mentioned that they are pumping groundwater from the bottom of the shaft, into city sewer system. asked Mr. Ho to schedule a site visit.3:15 PM:- visited site. met Rose-May, Nick and Jorge Guerrero. Nick showed location of the shaft and former diesel tank. Nick mentioned that tank was found during excavation for installation of caisson (concrete/metal pile on which the future building will be supported) at C-4 location which is on north side of the shaft. Nick mentioned that the tank was found on west of the caisson location. caisson has been installed which is from 3 ft bg to 50 ft bg and is 48 inch in diameter. bedrock is found at 30 ft bg. currently, there is a frac tank along the south side of W 26th street, north of caisson at C-4. frac tank is being used as part of dewatering system at the bottom of the shaft, which is at 150 ft bg. pumps at the bottom of the shaft pumps water from the tunnel that runs towards 34th street. Nick mentioned that they had sampled water before and no contamination was found.informed them that the department requires groundwater delineation, beginning with a well installation at the former tank location. Nick will check plans for any excavation work in the tank area which may destroy the well. Rose-May will check lease agreement for responsibility and site access. Rose-May

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CONSTRUCTION SITE MTA # 7 LINE EXT (Continued)

S110751595

mentioned that the work on site will continue for another 15 months. Jorge Guerrero \*\*on-site person\*\* HDRPh. (212) 542-6000 (917) 577-0510 (C) Fax (212) 542-6100 email: jorge.guerrero@hdrinc.com based on all available information, changed following information in the spill report: address: from "11th Ave and West 26th St" to "220 11th Avenue - northwest corner". original spill report on e-doc. 06/25/12-Hiralkumar Patel. 1:09 PM:- sent letter to Mr. Brecher requiring soil/groundwater delineation via installation of monitoring wells, beginning with well installation at the former tank location. asked him to submit report by the end of 08/31/12. letter emailed to Mr. Brecher, Rose-May, Nick and Jorge. 1:36 PM:- received email from Mr. Brecher confirming receipt of the letter. 07/17/12-Hiralkumar Patel. 4:35 PM:- received call from Lew Wunderlich from MTA inquiring about work required. informed him that the department requires groundwater investigation beginning with well installation at the former tank location. if groundwater contamination found, then further delineation is needed. Mr. Wunderlich mentioned that MTA is currently discussing with property owner about who will perform the investigation. 08/09/12-Hiralkumar Patel. 11:20 AM:- spoke with Nick. they got change order and MTA's contractor will install the well. Nick will send work schedule. 08/17/12-Hiralkumar Patel. 12:45 PM:- spoke with Nick. he mentioned that change order has not been approved yet. he will talk to contractor and will call back. 08/20/12-Hiralkumar Patel. received email from Nick (at 4:52 AM today) including copy of message from David Mariani of Skanska. David mentioned that Preferred will schedule a driller once underpinning is done in northwest corner. 11:27 AM:- received email from David. he mentioned that driller is scheduled for 08/23/12 to install well. David Mariani Skanska USA Civil Northeast 7-Line Finishes Skanska-Railworks Ph. (646) 808-1412 (O) (917) 295-6390 (C) Fax (646) 430-5235 email: David.Mariani@skanska.com 08/27/12-Hiralkumar Patel. 1:21 PM:- received email from David. he mentioned that well was drilled on 08/23/12 and Preferred will return to the site to develop the well on 08/29/12. David mentioned that Preferred has collected a soil sample during well installation. he mentioned that the former tank area was excavated to water table and was backfilled with clean RCA. David inquired if they need to analyze soil sample collected during well installation. 1:26 PM:- sent email to David. informed him that soil must be tested, if evidence of contamination noted during well installation. 08/31/12-Hiralkumar Patel. received message from Bill (at 7:33 PM on 08/30/12) from Preferred. they installed well and collected groundwater sample. Bill mentioned that as area was backfilled with RCA after tank removal, no soil sample was collected. 09/20/12-Hiralkumar Patel. 10:40 AM:- received email from Rose-May including result of groundwater from the well installed at former diesel UST. no contamination found in groundwater sample. 09/26/12-Hiralkumar Patel. 1:54 PM:- received message from Nick. 09/28/12-Hiralkumar Patel. 2:53 PM:- spoke with Nick. he will submit report, for well installation/sampling, next week. 10/01/12-Hiralkumar Patel. 2:43 PM:- received email from Nick including investigation report. abstract:- on 08/23/12, installed one soil boring (SB-1) to a depth of 25 bg within the former footprint of the UST- as well installed in previously backfilled area, groundwater at 8 ft bg and poor soil recovery below 8 ft depth, no soil samples were collected for analysis- installed 2 inch monitoring well within SB-1- well installed to 25 ft depth, with 20 ft screen- no evidence of #2 oil impacts were noted in purged water from the

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CONSTRUCTION SITE MTA # 7 LINE EXT (Continued)

S110751595

well- no contamination found in groundwater sample 10/30/12-Hiralkumar Patel. 1:45 PM:- sent email to Nick. asked him for one more round of groundwater sampling/analysis from the existing well MW-1. asked him to submit schedule for well sampling. email copied to Mr. Brecher and Rose-May. 12/10/12-Hiralkumar Patel. 11:47 AM:- left message for Rose-May inquiring updates. 11:50 AM:- sent email to Nick inquiring updates. email copied to Mr. Brecher and Rose-May. 12:08 PM:- received email from Nick. he is checking with project. 12/11/12-Hiralkumar Patel. 3:19 PM:- received email from Rose-May. she mentioned that contractor is working on the schedule. 01/07/13-Hiralkumar Patel. 12:26 PM:- sent email to Rose-May inquiring update. 2:12 PM:- received email from Rose-May. she mentioned that well was sampled last thursday. will send results once available. DEC requires: 1) groundwater re-sampling from well MW-1  
Remarks: geoprobe 6' down - tank to be remediated (18" of material) - cleanup pending

Material:

Site ID: 463820  
Operable Unit ID: 1213910  
Operable Unit: 01  
Material ID: 2211926  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 463820  
Operable Unit ID: 1213910  
Operable Unit: 01  
Material ID: 2211924  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 1010587  
DER Facility ID: 399105  
Facility Type: ER  
Site ID: 444199  
DEC Region: 2  
Spill Date: 1/9/2011  
Spill Number/Closed Date: 1010587 / 7/12/2011  
Spill Cause: Equipment Failure  
Spill Class: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CONSTRUCTION SITE MTA # 7 LINE EXT (Continued)

S110751595

SWIS: 3101  
Investigator: HRPATEL  
Referred To: Not reported  
Reported to Dept: 1/12/2011  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/12/2011  
Spill Record Last Update: 7/12/2011  
Spiller Name: WUNDERLICH,LOUIS  
Spiller Company: S3-II TUNNEL CONSTRUCTORS  
Spiller Address: 360 WEST 31ST ST SUITE 702  
Spiller City,St,Zip: MANHATTAN, NY 10001  
Spiller Company: 999  
Contact Name: WUNDERLICH,LOUIS  
Contact Phone: (642) 523-152  
DEC Memo: 01/12/11-Hiralkumar Patel.6:15 PM:- spoke with Lew. he mentioned that chemical leaked into a secondary containment and concrete surface only and was cleaned up. he asked to talk to Rose-May, field supervisor.01/13/11-Hiralkumar Patel.11:26 AM:- spoke with Rose-May (646-452-3291). she mentioned that chemical is a concrete accelerator and comes in tote of 270 gal in size. these tote stored in metal CONEX box which has door. she mentioned that a hose on a tote broke and spilled chemical inside box and the door was left open so about 200 gal chemical was spilled onto concrete surface out of this box. spill was noticed on monday and all spilled chemical was pumped out. no one got hurt due to this spill. no soil/sewer/drain were affected. scheduled a site visit at 9:30 AM tomorrow (220 11th ave between 25th and 26th street - Terry Bryan).12:59 PM:- received email from Rose-May including pics taken during spill cleanup.Rose-May Toussaint-PortesMTACC/NYCTSustainability and Environmental ManagementPh. (646) 252-3291 email: rose-may.toussaint-portes@nyct.com01/14/11-Hiralkumar Patel.9:45 AM:- visited site. met Lew and Rose-May. inspected area where spill happened. chemical spilled into metal container and onto concrete surface. no soil/sewer impacted. they will sample the waste for proper disposal.01/21/11-Hiralkumar Patel. discussed with DEC Austin. he asked to get spill cleanup report.1:58 PM:- left message for Rose-May.2:01 PM:- sent email to Rose-May requiring to submit spill cleanup report by the end of 01/27/11.01/26/11-Hiralkumar Patel.11:38 AM:- spoke with Rose-May. she will submit report today.11:42 AM:- sent email to Rose-May. informed her that the report must be submitted by the end of 02/07/11.02/03/11-Hiralkumar Patel.11:40 AM:- left message for Rose-May.02/04/11-Hiralkumar Patel.2:47 PM:- received email from Rose-May including report from contractor. she mentioned that spill was first noticed by a pump maintenance operator at about 3 PM on 01/09/11. the spill was released from one of three 1,000 gal storage tanks. total of 45 gal was released.07/05/11-Hiralkumar Patel.3:35 PM:- received email from Rose-May. she mentioned that contractor has removed conex that housed

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONSTRUCTION SITE MTA # 7 LINE EXT (Continued)**

**S110751595**

Remarks: three 1,000 gal tanks for the concrete accelerator (Meyco SA160). the contractor is currently in the process of closing out the bulk storage permit. based on submitted information, case closed. Solution in plastic containment container and over weekend hose broke leaking solution. No resources affected.

Material:  
 Site ID: 444199  
 Operable Unit ID: 1194639  
 Operable Unit: 01  
 Material ID: 2190505  
 Material Code: 9999  
 Material Name: Other - Meyco Accelerator  
 Case No.: Not reported  
 Material FA: Other  
 Quantity: 250  
 Units: Gallons  
 Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

**E78  
 SW  
 < 1/8  
 0.102 mi.  
 536 ft.**

**CONSTRUCTION SITE - MISC  
 545 WEST 25TH STREET  
 NEW YORK, NY  
 Site 5 of 5 in cluster E**

**NY Spills S106868504  
 N/A**

**Relative:  
 Lower**

SPILLS:  
 Facility ID: 0501127  
 DER Facility ID: 290944  
 Facility Type: ER  
 Site ID: 344278  
 DEC Region: 2  
 Spill Date: 4/27/2005  
 Spill Number/Closed Date: 0501127 / 8/21/2007  
 Spill Cause: Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: rjfeng  
 Referred To: MONITORING  
 Reported to Dept: 4/27/2005  
 CID: 444  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0

**Actual:  
 11 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE - MISC (Continued)**

**S106868504**

Date Entered In Computer: 4/27/2005  
Spill Record Last Update: 8/21/2007  
Spiller Name: MOHAMMED AHMED  
Spiller Company: CONSTRUCTION SITE  
Spiller Address: 545 WEST 25TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: MOHAMMED AHMED  
Contact Phone: (212) 675-3225  
DEC Memo: According to Mohammed Ahmed, the property owner is: Jack Guttman Bass Associates 141 Fifth Ave, Penthouse NY NY 10010 Fax copy to Fleming - Fax #212-675-322410. 17.05-Sharif// I sent a stipulation with corrective action plan. The Corrective Action Plan requires delineation of groundwater contamination offsite and dewatering discharge contamination. 11.18.05 Sharif// Property Owner's lawyer Larry Schnapt, (212) 756-2205 called me to say his client is not going to sign the stipulation since it waives his right to claim cost of remediation to Spill Fund, instead he will send a statement about their agreement to remediate the groundwater contamination if it exists. 12/20/05-Sharif// Case was transferred to Koon Tang for reassignment with files. 12/20/05-Sun// The Case was reassigned to June Feng. 12/28/2005 - Feng - File reviewed by Feng and summarized site history : 1) The site will be constructed as multistory commercial structure w/ basement. 2) Groundwater encountered at 8' below grade, so basement will be below water table. 3) Removed a crushed 550-gallon UST during excavation beginning construction, no sign of contamination was seen. 4) Dewatering system was installed, soil removal was found to have petroleum odor and sheen. 5) Soil was sampled. Soil contamination was found beginning at 8' bg to 16' bg. Soil samples taken from the four quadrants at depth of 12-16 feet below grade. 6) Soil was excavated to 11.5' bg after dewatering. Total of 1,218.71 tons of soil was excavated (reached the excavation limit). Endpoint samples were taken. 7) ORC applied in southwestern corner covered with gravel and poured with concrete. 8) Foundation was poured and basement was built. 9) A 47.24 mil high density polyethylene vapor barrier (Preprufe 300R waterproof system) was installed between the mud-slab and the basement slab. Items need to be addressed: 1) Groundwater sampling. WT @ 8' and soil was found to be contaminated from 8' to 16'. Soil excavation only to 11.5'. If contamination was found in groundwater, treatment will be required. 2) Indoor air sampling. Vapor barrier was not extended to the walls below grade, so indoor air samples will be needed upon completion of the structure. 12/30/2005 - Feng - Contacted the consultant, Chris De Carlo (Fleming Lee Shue), and will submit all the requested information, including groundwater samples result, construction detail and vapor mitigation effort design. (RJF) 2/16/2006 - Feng - Reviewed the supporting documents and construction drawings. Vapor barrier design was provided. Extension to install groundwater monitoring wells in June 2006 is approved. Letter to Bass Associates and CC to Fleming Lee Shue and Schulte Roth & Zabel (lawyer). 10/4/2006 - Feng - Called Chris De Carlo. Fleming Lee Shue has submitted a proposal to the owner and never got approved. The consultant for this site may have been changed and Fleming Lee Shue might be the consultant next round. Called Jack Guttman at the number Chris De Carlo provided and the number has been changed. Email to Lawrence Schnapf and asked him to contact Jack Guttman for the status of the groundwater samples. (RJF) 10/10/2006 - Feng - Site visit and met with Mohamed Ahmed

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONSTRUCTION SITE - MISC (Continued)**

**S106868504**

(Fleming Lee Shue). Groundwater flows in a direction to Hudson River. No upgradient well will be installed due to the underground utilities. One downgradient well will be installed. Sidewalk permit letter sent to Fleming Lee Shue. (RJF)5/29/2007 - Feng - Subsurface Investigation Report, dated 12/20/2006, submitted by Fleming Lee Shue. On 11/22/2006, soil boring was advanced to 20 feet bg. No PID reading and soil sample was not taken. DTW 9 feet. On 11/29/2006, groundwater sample taken. Analyticals show low contamination, 13.7 ppb MTBE. 2nd Quarterly Groundwater Sampling report, 3/19/2007. Groundwater sampled on 2/16/2007. No product. Analyticals show 14.9 ppb MTBE and some trace of SVOCs. Fleming Lee Shue will keep monitoring. (RJF)7/24/2007 - Feng - Spoke with M. Ahmed (Fleming Lee Shue), quarterly report will be sent out within this week. (RJF)8/21/2007 - Feng - Quarterly Groundwater Sampling Report #3, 7/25/2007, by Fleming Lee Shue. Groundwater sampled collected 6/13/2007. No product. No exceedance found. (RJF)Discussed with DEC J. Sun. Spill closed for: 1) Impacted soil was excavated down to 8 feet and endpoint samples show some minor SVOCs exceedance. 2) Application of 1,500 lbs of ORC at the basement excavation to remediate the groundwater. 3) Installation of a 47.24 mil of vapor barrier to prevent the vapor intrusion into the building. 4) Low/ND downgradient groundwater sample indicates no offsite impact. NFA issued. (RJF)

Remarks: during soil searching found contaminated soil;

Material:

Site ID: 344278  
 Operable Unit ID: 1102925  
 Operable Unit: 01  
 Material ID: 583146  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**L79  
 NNW  
 < 1/8  
 0.102 mi.  
 538 ft.**

**304 11TH AVE  
 NEW YORK, NY 10001  
 Site 1 of 6 in cluster L**

**EDR US Hist Cleaners 1015038608  
 N/A**

**Relative:  
 Higher**

EDR Historical Cleaners:  
 Name: J & V CHINESE LAUNDRY INC  
 Year: 2002

**Actual:  
 13 ft.**

Address: 304 11TH AVE

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>M80</b> <b>NE</b> <b>&lt; 1/8</b> <b>0.103 mi.</b> <b>544 ft.</b>	<b>VACANT WAREHOUSE</b> <b>518 WEST 30TH ST</b> <b>MANHATTAN, NY</b>  <b>Site 1 of 2 in cluster M</b>	<b>NY Spills</b>	<b>S104501903</b> <b>N/A</b>
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<b>Relative:</b> <b>Higher</b>  <b>Actual:</b> <b>16 ft.</b>	<p><b>SPILLS:</b></p> <p>Facility ID: 9604278          DER Facility ID: 253056          Facility Type: ER          Site ID: 313828          DEC Region: 2          Spill Date: 6/27/1996          Spill Number/Closed Date: 9604278 / 7/16/1996          Spill Cause: Unknown          Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.</p> <p><b>SWIS:</b>          3101          Investigator: O'DOWD          Referred To: Not reported          Reported to Dept: 6/28/1996          CID: 312          Water Affected: Not reported          Spill Source: Commercial/Industrial          Spill Notifier: Other          Cleanup Ceased: Not reported          Cleanup Meets Std: False          Last Inspection: Not reported          Recommended Penalty: False          UST Trust: False          Remediation Phase: 0          Date Entered In Computer: 6/28/1996          Spill Record Last Update: 8/28/1996          Spiller Name: Not reported          Spiller Company: BANK OF AMERICA          Spiller Address: 560 DAVIS ST          Spiller City,St,Zip: SAN FRANCISCO, CA          Spiller Company: 001          Contact Name: Not reported          Contact Phone: Not reported          DEC Memo: Not reported          Remarks: UNK HOW IT HAPPENED - CALLER IS A CONSULTANT FOR THE MANAGEMENT COMPANY</p>	
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**Material:**

Site ID:	313828
Operable Unit ID:	1031934
Operable Unit:	01
Material ID:	350567
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

VACANT WAREHOUSE (Continued)

S104501903

Tank Test:

N81  
SSW  
< 1/8  
0.103 mi.  
544 ft.

534-548 W 25TH ST  
MANHATTAN, NY  
Site 1 of 2 in cluster N

NY Spills S104788276  
N/A

Relative:  
Lower

SPILLS:

Facility ID: 0005645  
DER Facility ID: 111467  
Facility Type: ER  
Site ID: 129301  
DEC Region: 2  
Spill Date: 8/3/2000  
Spill Number/Closed Date: 0005645 / 11/10/2000  
Spill Cause: Housekeeping  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
11 ft.

SWIS:

Investigator: TJDME0  
Referred To: Not reported  
Reported to Dept: 8/10/2000  
CID: 365  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/10/2000  
Spill Record Last Update: 11/10/2000  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEME0"11/10/2000 Ref Spill #0005886spill closed 11/10/2000

Remarks:

SOMEONE IS REMOVING TANKS FROM THE GROUND - THEY ARE PUTTING THEM IN TRUCKSL, DRIVING AWAY & THE OIL SLUDGE IS RUNNING OUT ONTO THE STREET - RUMOR HAD IT THAT THEY WERE PUTTING THE TANKS OR THE SLUDGE INTO THE WATER (HUDSON RIVER) - IT APPEARS TO CALLER THAT REMOVAL IS BEING DONE ON THE SLY BY THE PROPERTY OWNER

Material:

Site ID: 129301  
Operable Unit ID: 828208  
Operable Unit: 01  
Material ID: 546792  
Material Code: 0058A  
Material Name: SLUDGE

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**S104788276**

Case No.: Not reported  
 Material FA: Other  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**N82**  
**SSW**  
**< 1/8**  
**0.103 mi.**  
**544 ft.**

**534 W 25TH ST**  
**MANHATTAN, NY**  
**Site 2 of 2 in cluster N**

**NY Spills S104788495**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

**Actual:**  
**11 ft.**

Facility ID: 0005886  
 DER Facility ID: 241547  
 Facility Type: ER  
 Site ID: 298575  
 DEC Region: 2  
 Spill Date: 8/16/2000  
 Spill Number/Closed Date: 0005886 / 11/10/2000  
 Spill Cause: Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: SMSANGES  
 Referred To: Not reported  
 Reported to Dept: 8/16/2000  
 CID: 312  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Local Agency  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: True  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 8/16/2000  
 Spill Record Last Update: 1/3/2001  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller Company: 001  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"8/16/2000 Sangesland went to the site. Building was closed, but the contractor was in his truck out front. Several 550's were pulled from the floor (interior) of what was a garage space in the building. There was long term contamination from the piping and fill lines. Contractor said quite a bit of soil was going to be

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S104788495

removed. Sangesland repeated the requirement for endpoint samples. Contractor was given the Spill number and the address to send the tank closure report to.9/13/2000 Long Island Analytical Laboratories Inc. (631-472-3400) submitted a 4 page report dated Sept 7, 2000 which says:"...LIAL was retained to conduct a limited subsurface investigation with respect to the removal of five-550 gallon fuel oil tanks that were recently registered and removed by Arlen Contracting...." "... following scope of work is submitted to your dept. for review and comment ...""...Aug 25,2000 LIAL conducted subsurface investigation to delineate the contamination. the area in question is contained in the western portion of the building .....""... 8 Geoprobe soil borings to the groundwater / soil interface (approx 10 feet) were done.....""... analytical date indicates that an area approx 45 ft long (running north to south) and 25 feet wide (east-west) is contaminated with virgin fuel oil. The contamination layer appears to be limited to a band approx. 4 feet thick starting at four feet below grade and continuing to the groundwater....""...Since the tanks that have been removed were along a load bearing wall, excavation must be done in small segments in order to protect the building....""...Upon completion of the removal of the contaminated soil endpoint samples will be collected and analyzed for 8021/8270.Letter is signed: Michael Veraldi Laboratory Director 9/13/2000 Sangesland called LIAL and said the digout to clean endpoints with a follow up confirmation report would be acceptable..... NYSDEC will require 2 wells in the event future treatment is necessary.10/10/2000 LIAL sent in a report which shows 6 end point samples were taken at the site (2 bottom - 4 sidewall) all samples were non detect for EPA 8021/8270. 10/17/2000 Since 5 - 550 tanks were pulled and there was contamination of the soil, Sangesland requested a water sample be taken from the site. Mr. Veraldi (LIAL) said he would pull a sample and run it for 8021/8270.11/10/2000 LIAL installed a well in September and took a water sample. Sample taken Sept 27 - Analyzed Sept 27 Tested for 8021/8270: Results show the water sample was clean.All results <5ppmSpill Closed 11/10/2000  
Remarks: CONTRACTOR WORKING ON AN ABADNONED WATER LINE THERE BROKE THE WATER LINE - HEAVY ODOR OF OIL NOW

Material:

Site ID: 298575  
Operable Unit ID: 828690  
Operable Unit: 01  
Material ID: 547023  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**J83**  
**SSW**  
**< 1/8**  
**0.105 mi.**  
**552 ft.**

**520 W 25TH ST**  
**MANHATTAN, NY**  
**Site 5 of 7 in cluster J**

**NY Spills S106005633**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 0203959  
 DER Facility ID: 152462  
 Facility Type: ER  
 Site ID: 181830  
 DEC Region: 2  
 Spill Date: 7/16/2002  
 Spill Number/Closed Date: 0203959 / 2/13/2003  
 Spill Cause: Unknown  
 Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:** 3101  
 Investigator: MXTIPPLE  
 Referred To: Not reported  
 Reported to Dept: 7/16/2002  
 CID: 207  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Citizen  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 7/16/2002  
 Spill Record Last Update: 2/13/2003  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller Company: 001  
 Contact Name: DOUG HAMILTON  
 Contact Phone: (212) 627-4900  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"NON PETROLUM GARBAGE OOZE ON ROAD, SANITATION CALLED

Remarks: foul smelling sludge in the curb area ifo location

**Material:**

Site ID: 181830  
 Operable Unit ID: 856751  
 Operable Unit: 01  
 Material ID: 521769  
 Material Code: 0063A  
 Material Name: UNKNOWN HAZARDOUS MATERIAL  
 Case No.: Not reported  
 Material FA: Hazardous Material  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106005633

Tank Test:

K84  
SW  
< 1/8  
0.105 mi.  
552 ft.

**GRAPHIC PROPERTIES**  
**555 WEST 25TH STREET**  
**MANHATTAN, NY**

**NY Spills S104504084**  
**N/A**

Site 2 of 4 in cluster K

Relative:  
Lower

SPILLS:

Facility ID: 9711263  
DER Facility ID: 58814  
Facility Type: ER  
Site ID: 60223  
DEC Region: 2  
Spill Date: 1/5/1998  
Spill Number/Closed Date: 9711263 / 9/1/1998  
Spill Cause: Human Error  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
10 ft.

SWIS:

Investigator: MMMULQUE  
Referred To: Not reported  
Reported to Dept: 1/7/1998  
CID: 266  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/7/1998  
Spill Record Last Update: 9/1/1998  
Spiller Name: DONALD HEALY  
Spiller Company: NEW YORK SIGN SYSTEMS INC  
Spiller Address: 555 WEST 25TH STREET  
Spiller City,St,Zip: NEW YORK, NY 10001-001  
Spiller Company: 001  
Contact Name: PETER LORENZO  
Contact Phone: (212) 924-3400  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was

"MULQUEEN"SPOKE TO CALLER. PAGE MIKE. FAX TO DEP-HAZNAT CALL TO CONFIRM.1/9/97:13:17HRmmm:CALLED BACK PETER LORENZO IN COMPLINCE, DILUTE. FERRIC CHLORIDE STAINING STAIRWELLS AND CELINGS. RP STATES THAT THEY USE 1 & 1/2 DRUM OF FERRIC CHLORIDE BUT CALLER BELIEVES THAT THEY ARE UNDER REPORTING. RP CLEANED UP BTWN LAST NIGHT AND THIS MORNING, REMOVED VENTILATING SYSTEMS AND ELECTRICAL CONDUIT. ALL EVIDENCE IS GONE EXCEPT FOR PHOTOGRAPHS AND SAMPLES, WASTE APPREARED TO BE ON SIDEWALK AND RUNNING INTO THE STREET, BUILDING IS TURNING YELLOW AND THEY ARE HOSING DOWN THE OUTSIDE THIS AM.REFERRED TO ECO'S AND DEP HAZMAT FOR RESPONSE.

Remarks:

CALLER IS PROPERTY MANAGER. SPILLER IS IN PROCESS OF MOVING OUT OF BUILDING. FERRIC CHLORIDE SPILLED WHILE DISMANTLING EQUIPMENT. SPILLED ON THIRD FLOOR OF BUILDING AND INTO ELEVATOR SHAFT. CLEANED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GRAPHIC PROPERTIES (Continued)

S104504084

UP AS BEST AS POSSIBLE. UNKNOWN IF SPILL IN SHAFT EFFECTED ANY OTHER RESOURCES. ENVIRO-TECH CONTACTED FOR FURTHER CLEAN UP. CALLER ALSO SUSPECTS THAT SPILLER MAY HAVE BEEN DELIBERATING DUMPING NUMEROUS OTHER MATERIALS DURING THEIR OCCUPANCY OF THE BUILDING. NO SPECIFICS AVAILABLE AT THIS TIME.

Material:

Site ID: 60223  
Operable Unit ID: 1057770  
Operable Unit: 01  
Material ID: 325956  
Material Code: 0063A  
Material Name: UNKNOWN HAZARDOUS MATERIAL  
Case No.: Not reported  
Material FA: Hazardous Material  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 60223  
Operable Unit ID: 1057770  
Operable Unit: 01  
Material ID: 325957  
Material Code: 0076A  
Material Name: FERRIC CHLORIDE  
Case No.: 07705080  
Material FA: Hazardous Material  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

M85  
NNE  
< 1/8  
0.106 mi.  
558 ft.

550 WEST 30TH STREET  
MANHATTAN, NY

Site 2 of 2 in cluster M

NY LTANKS S104619635  
N/A

Relative:  
Higher

LTANKS:

Site ID: 178934  
Spill Number/Closed Date: 0303799 / 9/2/2003  
Spill Date: 7/10/2003  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 7/10/2003  
CID: 405

Actual:  
15 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S104619635

Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 7/10/2003  
Spill Record Last Update: 9/2/2003  
Spiller Name: FRAN GOLDNED  
Spiller Company: MIDTOWN NEON SIGN  
Spiller Address: 550 WEST 30TH ST  
Spiller City,St,Zip: MANHATTAN, NY 10001-  
Spiller County: 001  
Spiller Contact: FRAN GOLDNED  
Spiller Phone: (212) 699-8908  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 150199  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was

"SANGESLAND"Sangesland DDOTTF letter sent to:Ms Fran GoldnedMatthew  
Adam Properties127 East 59th StNew York, NY 10022 8/28/2003PTC  
submitted soil boring results and a short writeup. DEC sent back a  
letter requesting test results compared to TAGM and justification for  
exceeding limits.9/2/2003PTC resubmitted their letter with the TAGM  
comparison information added. Results are just slightly above the  
standard and are consistent with old coal ash fill material.Spill  
Closed  
Remarks: uncover repair and retest

Material:

Site ID: 178934  
Operable Unit ID: 872058  
Operable Unit: 01  
Material ID: 504656  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 81855  
Spill Number/Closed Date: 9805607 / 10/26/2005  
Spill Date: 8/5/1998  
Spill Cause: Tank Test Failure  
Spill Source: Private Dwelling  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S104619635

SWIS: 3101  
Investigator: JBMCCULL  
Referred To: Not reported  
Reported to Dept: 8/5/1998  
CID: 266  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 8/5/1998  
Spill Record Last Update: 10/27/2005  
Spiller Name: BARBARA  
Spiller Company: TARANTO & ASSOCIATES  
Spiller Address: 267 5TH AVENUE  
Spiller City,St,Zip: NEW YORK, NY 10016-  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 75604  
DEC Memo: According to the NYSDEC records, on August 5, 1998, the on-site 2,000gallon UST failed a tank tightness test and was issued Spill #98-05607. After review of information received from the client, it has been determined that after the UST failed tank tightness testing, the UST was cleaned, sandblasted, and relined with an epoxy lining, and the associated piping was replaced in September 1998. On July 10, 2003, the 2,000 gallon UST failed a tank tightness test and was issued Spill #03-03799. It appears that soil borings were performed to determine the extent of the UST leak/spill. Upon reviewing data received from the NYSDEC Spills Database, the NYSDEC notes section determined the soils were "slightly above" TAGM guidelines due to levels consistent with "old coal ash fill materials" and was granted "closure" status on September 2, 2003. The UST was emptied and taken out of service, and an 1,080 gallon steel registered AST was installed in a small cellar area near the north bay door area. On September 28, 2005, EnviroTrac contacted the NYSDEC regarding Spill #98-05607 to determine what is needed to "close" the Spill. It was determined that since Spill #98-05607 was prior to Spill #03-03799 which is "closed", and was the same tank and area, it should be "closed" as well.  
Remarks: TANK TO BE EVACUATED, CLEANED, AND LINES TO BE TESTED.

Material:  
Site ID: 81855  
Operable Unit ID: 1063374  
Operable Unit: 01  
Material ID: 320350  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**S104619635**

Resource Affected: Not reported  
 Oxygenate: False

**Tank Test:**

Site ID: 81855  
 Spill Tank Test: 1546129  
 Tank Number: 1  
 Tank Size: 2000  
 Test Method: 03  
 Leak Rate: 0  
 Gross Fail: F  
 Modified By: Spills  
 Last Modified: 10/1/2004  
 Test Method: Horner EZ Check I or II

**J86**  
**SSW**  
 < 1/8  
 0.106 mi.  
 560 ft.

**TRUCKING FACILITY**  
**510 WEST 25TH STREET**  
**MANHATTAN, NY**

**NY Spills S106719241**  
**N/A**

**Site 6 of 7 in cluster J**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 0310627  
 DER Facility ID: 62807  
 Facility Type: ER  
 Site ID: 65378  
 DEC Region: 2  
 Spill Date: 2/22/2000  
 Spill Number/Closed Date: 0310627 / 12/17/2003  
 Spill Cause: Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**12 ft.**

**SWIS:** 3101  
 Investigator: SMSANGES  
 Referred To: Not reported  
 Reported to Dept: 12/15/2003  
 CID: 444  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 12/15/2003  
 Spill Record Last Update: 12/17/2003  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller Company: 001  
 Contact Name: KEVIN TAYLOR  
 Contact Phone: (631) 673-0612  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRUCKING FACILITY (Continued)**

**S106719241**

Remarks: "SANGESLAND" PBS 2-317888 - shows several tanks abandoned in place. a/k/a 507 West 24th St 2 - 2,000 gal diesel tanks abandoned several years ago. Soil borings done around these tanks show trace levels of contamination. All below TAGM. Sangesland asked Mr Taylor of Laurel Envir. to send in a report and if the numbers are below TAGM, the case will be closed out. 12/17/2003 Laurel Envir. sent in a report with soil sample results showing all contaminants below TAGM. Spill Closed  
In February of 2000 did a tank test, and found no levels of anything reportable. Spoke to DEC recently and they stated he needed to call spill hotline, to obtain a spill #. to close out.

Material:  
Site ID: 65378  
Operable Unit ID: 875705  
Operable Unit: 01  
Material ID: 499477  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**K87**  
**SW**  
**< 1/8**  
**0.107 mi.**  
**563 ft.**

**560 WEST 25TH ST/MANHATTA**  
**560 WEST 25TH STREET**  
**NEW YORK CITY, NY**  
**Site 3 of 4 in cluster K**

**NY Spills S104495147**  
**N/A**

**Relative:**  
**Lower**

SPILLS:  
Facility ID: 8803971  
DER Facility ID: 67236  
Facility Type: ER  
Site ID: 70941  
DEC Region: 2  
Spill Date: 6/15/1988  
Spill Number/Closed Date: 8803971 / 9/30/1988  
Spill Cause: Unknown  
Spill Class: Not reported  
SWIS: 3101  
Investigator: SULLIVAN  
Referred To: Not reported  
Reported to Dept: 8/2/1988  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Local Agency  
Cleanup Ceased: 9/30/1988  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False

**Actual:**  
**10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**560 WEST 25TH ST/MANHATTA (Continued)**

**S104495147**

UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/22/1988  
Spill Record Last Update: 1/6/1989  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: DIESEL FUMES IN WATER MAIN EXCAVATION OUTSIDE ADDRESS, PROPERTY IS CURRENTLY VACANT WITH PLANS PENDING TO RENOVATE SITE, SITE CONTAINS DISPENSER PUMPS.

Material:

Site ID: 70941  
Operable Unit ID: 919121  
Operable Unit: 01  
Material ID: 459491  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**L88  
NNW  
< 1/8  
0.115 mi.  
608 ft.**

**MOBIL STATION 17510  
309 11TH AVE  
MANHATTAN, NY  
Site 2 of 6 in cluster L**

**NY Spills S107408798  
N/A**

**Relative:  
Higher**

SPILLS:

Facility ID: 0506979  
DER Facility ID: 299588  
Facility Type: ER  
Site ID: 352291  
DEC Region: 2  
Spill Date: 9/8/2005  
Spill Number/Closed Date: 0506979 / 12/14/2006  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
13 ft.**

SWIS:

Investigator: DKHARRIN  
Referred To: Not reported  
Reported to Dept: 9/8/2005  
CID: 409  
Water Affected: Not reported  
Spill Source: Gasoline Station

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL STATION 17510 (Continued)**

**S107408798**

Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/8/2005  
Spill Record Last Update: 12/14/2006  
Spiller Name: FRANK MUSSENA  
Spiller Company: MOBILE#17-510  
Spiller Address: 309 11TH AVE  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: FRANK MUSSENA  
Contact Phone: (908) 730-2055  
DEC Memo: tracking under spill 93-05598  
Remarks: CLEAN UP IS IN PROCESS. INVESTIGATION GOING ON UNDER AN OLD CASE # 93-05598. SPOKE WITH DAVE HERRINGTON THAT WORKS IN REGION 2. FOUND IT IN GROUND WATER SAMPLING.

Material:

Site ID: 352291  
Operable Unit ID: 1109797  
Operable Unit: 01  
Material ID: 2099816  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0807364  
DER Facility ID: 299588  
Facility Type: ER  
Site ID: 404708  
DEC Region: 2  
Spill Date: 9/30/2008  
Spill Number/Closed Date: 0807364 / 11/20/2008  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: MJHAGGER  
Referred To: Not reported  
Reported to Dept: 9/30/2008  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL STATION 17510 (Continued)**

**S107408798**

Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/30/2008  
Spill Record Last Update: 11/20/2008  
Spiller Name: MIKE MEYERHOEFER  
Spiller Company: MOBIL STATION 17510  
Spiller Address: 309 11TH AVE  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: MIKE MEYERHOEFER  
Contact Phone: (631) 218-0612  
DEC Memo: 11/20/08 - Haggerty: Spill called in due to an Ethanol detection in 1 well of 700ppb. Crompco tested tank system. System tight. Spill closedmanaging the remediation of the property under Spill # 93-05598  
Remarks: CALLER STATES THAT THEY GOT TEST RESULTS BACK TODAY SHOWING ETHANOL IN GROUND WATER. CLEAN UP IS PENDING FURTHER INVESTIGATION.

Material:  
Site ID: 404708  
Operable Unit ID: 1161352  
Operable Unit: 01  
Material ID: 2152553  
Material Code: 0303A  
Material Name: ETHANOL  
Case No.: 00064175  
Material FA: Other  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: True

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

L89  
NNW  
< 1/8  
0.116 mi.  
610 ft.

**MOBIL OIL-#17-510 ALBRO OPERA**  
**309 11TH STREET**  
**NEW YORK, NY 10001**  
**Site 3 of 6 in cluster L**

**RCRA NonGen / NLR 1000553497**  
**NY UST NYD986959187**  
**NY Spills**  
**US AIRS**

**Relative:  
Higher**

RCRA NonGen / NLR:  
Date form received by agency: 01/01/2007  
Facility name: MOBIL OIL CORP SS #510  
Facility address: 309 11TH AVE  
NEW YORK, NY 100011213  
EPA ID: NYD986959187  
Mailing address: GALLOWS RD - MKTG ENVIRON  
FAIRFAX, NY 220370001  
Contact: Not reported  
Contact address: GALLOWS RD - MKTG ENVIRON

**Actual:  
13 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Contact country: FAIRFAX, NY 220370001  
Contact telephone: US  
Contact email: Not reported  
EPA Region: Not reported  
Classification: 02  
Description: Non-Generator  
Handler: Non-Generators do not presently generate hazardous waste

**Owner/Operator Summary:**

Owner/operator name: MOBIL OIL CORP  
Owner/operator address: 3225 GALLOWS RD  
FAIRFAX, VA 22037  
Owner/operator country: US  
Owner/operator telephone: (703) 849-3330  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: MOBIL OIL CORP  
Owner/operator address: 3225 GALLOWS RD  
FAIRFAX, VA 22037  
Owner/operator country: US  
Owner/operator telephone: (703) 849-3330  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

**Handler Activities Summary:**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

**Historical Generators:**

Date form received by agency: 01/01/2006  
Facility name: MOBIL OIL CORP SS #510  
Classification: Not a generator, verified

Date form received by agency: 07/08/1999  
Facility name: MOBIL OIL CORP SS #510  
Classification: Not a generator, verified

Date form received by agency: 07/25/1994

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Facility name: MOBIL OIL CORP SS #510  
Site name: MOBIL OIL CORPORATION - 17-510  
Classification: Large Quantity Generator

Date form received by agency: 04/10/1991  
Facility name: MOBIL OIL CORP SS #510  
Classification: Small Quantity Generator

Violation Status: No violations found

UST:

Id/Status: 2-157953 / Active  
Region: STATE  
DEC Region: 2  
Program Type: PBS  
Expiration Date: 2015/11/18  
UTM X: 584098.66171000001  
UTM Y: 4511804.3687300002

Affiliation Records:

Site Id: 5259  
Affiliation Type: Mail Contact  
Company Name: LIBERTY PETROLEUM REALTY LLC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 6820 B COMMERCIAL DRIVE  
Address2: Not reported  
City: SPRINGFIELD  
State: VA  
Zip Code: 22151  
Country Code: 001  
Phone: (703) 750-6810  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 6/28/2012

Site Id: 5259  
Affiliation Type: Emergency Contact  
Company Name: LIBERTY PETROLEUM REALTY, LLC  
Contact Type: Not reported  
Contact Name: FMS SPILL RESPONSE HOTLINE  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (800) 997-7725  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 9/13/2012

Site Id: 5259  
Affiliation Type: On-Site Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Company Name: MOBIL # 10357  
Contact Type: Not reported  
Contact Name: STATION MANAGER  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 594-1515  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 6/28/2012

Site Id: 5259  
Affiliation Type: Owner  
Company Name: LIBERTY PETROLEUM REALTY, LLC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 6820 B COMMERCIAL DRIVE  
Address2: Not reported  
City: SPRINGFIELD  
State: VA  
Zip Code: 22151  
Country Code: 001  
Phone: (703) 750-6810  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 6/28/2012

**Tank Info:**

Site ID: 5259  
  
Tank Number: 001  
Tank ID: 27717  
Tank Status: Closed - Removed  
Tank Type: Equivalent technology  
Pipe Model: Not reported

**Equipment Records:**

F00 - Pipe External Protection - None  
I00 - Overfill - None  
B04 - Tank External Protection - Fiberglass  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
J01 - Dispenser - Submersible  
D02 - Pipe Type - Galvanized Steel  
A00 - Tank Internal Protection - None  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
C02 - Pipe Location - Underground/On-ground  
  
Install Date: 06/01/1973  
Capacity Gallons: 4000  
Tightness Test Method: 09  
Next Test Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Date Tank Closed: 09/01/1993  
Tank Location: 5  
Tank Type: Equivalent technology  
Date Test: 11/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 5259

Tank Number: 002  
Tank ID: 27718  
Tank Status: Closed - Removed  
Tank Type: Equivalent technology  
Pipe Model: Not reported

Equipment Records:

F00 - Pipe External Protection - None  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
J01 - Dispenser - Submersible  
D02 - Pipe Type - Galvanized Steel  
A00 - Tank Internal Protection - None  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
C02 - Pipe Location - Underground/On-ground  
I00 - Overfill - None  
B04 - Tank External Protection - Fiberglass

Install Date: 06/01/1973  
Capacity Gallons: 4000  
Tightness Test Method: 09  
Next Test Date: Not reported  
Date Tank Closed: 09/01/1993  
Tank Location: 5  
Tank Type: Equivalent technology  
Date Test: 11/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 5259

Tank Number: 003  
Tank ID: 27719  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

F00 - Pipe External Protection - None  
C00 - Pipe Location - No Piping  
I00 - Overfill - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction  
D02 - Pipe Type - Galvanized Steel  
A00 - Tank Internal Protection - None

Install Date: 12/01/1973  
Capacity Gallons: 1000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 12/01/1973  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 5259

Tank Number: 004  
Tank ID: 27720  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

F00 - Pipe External Protection - None  
C00 - Pipe Location - No Piping  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction  
D02 - Pipe Type - Galvanized Steel  
A00 - Tank Internal Protection - None  
I00 - Overfill - None

Install Date: 12/01/1973  
Capacity Gallons: 4000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 12/01/1973  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 5259

Tank Number: 005  
Tank ID: 27721  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

F00 - Pipe External Protection - None  
C00 - Pipe Location - No Piping  
I00 - Overfill - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction  
D02 - Pipe Type - Galvanized Steel  
A00 - Tank Internal Protection - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Install Date: 12/01/1973  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 12/01/1973  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 5259

Tank Number: 006  
Tank ID: 27722  
Tank Status: Tank Converted to Non-Regulated Use  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
H00 - Tank Leak Detection - None  
G00 - Tank Secondary Containment - None  
J02 - Dispenser - Suction  
D02 - Pipe Type - Galvanized Steel  
A00 - Tank Internal Protection - None  
C02 - Pipe Location - Underground/On-ground  
I00 - Overfill - None

Install Date: 12/01/1973  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 5259

Tank Number: 007  
Tank ID: 42028  
Tank Status: Closed - Removed  
Tank Type: Equivalent technology  
Pipe Model: Not reported

Equipment Records:

F00 - Pipe External Protection - None  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
J01 - Dispenser - Submersible  
D02 - Pipe Type - Galvanized Steel  
A00 - Tank Internal Protection - None  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
C02 - Pipe Location - Underground/On-ground

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

I00 - Overfill - None  
B04 - Tank External Protection - Fiberglass  
Install Date: 06/01/1973  
Capacity Gallons: 6000  
Tightness Test Method: 09  
Next Test Date: Not reported  
Date Tank Closed: 09/01/1993  
Tank Location: 5  
Tank Type: Equivalent technology  
Date Test: 11/01/1993  
Registered: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Site ID: 5259

Tank Number: 008  
Tank ID: 47907  
Tank Status: In Service  
Tank Type: Fiberglass coated steel  
Pipe Model: Not reported

Equipment Records:

K01 - Spill Prevention - Catch Basin  
F04 - Pipe External Protection - Fiberglass  
L07 - Piping Leak Detection - Pressurized Piping Leak Detector  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
I01 - Overfill - Float Vent Valve  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
J01 - Dispenser - Submersible  
A00 - Tank Internal Protection - None  
I02 - Overfill - High Level Alarm  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
C02 - Pipe Location - Underground/On-ground  
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring  
B04 - Tank External Protection - Fiberglass

Install Date: 09/01/1993  
Capacity Gallons: 4000  
Tightness Test Method: 09  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Fiberglass coated steel  
Date Test: 11/01/1993  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 06/28/2012

Site ID: 5259

Tank Number: 009  
Tank ID: 47908  
Tank Status: In Service  
Tank Type: Fiberglass coated steel  
Pipe Model: Not reported

Equipment Records:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

K01 - Spill Prevention - Catch Basin  
F04 - Pipe External Protection - Fiberglass  
L07 - Piping Leak Detection - Pressurized Piping Leak Detector  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
I01 - Overfill - Float Vent Valve  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
J01 - Dispenser - Submersible  
A00 - Tank Internal Protection - None  
I02 - Overfill - High Level Alarm  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
C02 - Pipe Location - Underground/On-ground  
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring  
B04 - Tank External Protection - Fiberglass

Install Date: 09/01/1993  
Capacity Gallons: 4000  
Tightness Test Method: 09  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Fiberglass coated steel  
Date Test: 11/01/1993  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 06/28/2012

Site ID: 5259

Tank Number: 010  
Tank ID: 47909  
Tank Status: In Service  
Tank Type: Fiberglass coated steel  
Pipe Model: Not reported

Equipment Records:

K01 - Spill Prevention - Catch Basin  
F04 - Pipe External Protection - Fiberglass  
L07 - Piping Leak Detection - Pressurized Piping Leak Detector  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
I01 - Overfill - Float Vent Valve  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
J01 - Dispenser - Submersible  
A00 - Tank Internal Protection - None  
I02 - Overfill - High Level Alarm  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
C02 - Pipe Location - Underground/On-ground  
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring  
B04 - Tank External Protection - Fiberglass

Install Date: 09/01/1993  
Capacity Gallons: 4000  
Tightness Test Method: 09  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Fiberglass coated steel  
Date Test: 11/01/1993  
Registered: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Modified By: NRLOMBAR  
Last Modified: 06/28/2012

Site ID: 5259

Tank Number: 011  
Tank ID: 47910  
Tank Status: In Service  
Tank Type: Fiberglass coated steel  
Pipe Model: Not reported

Equipment Records:

K01 - Spill Prevention - Catch Basin  
F04 - Pipe External Protection - Fiberglass  
B04 - Tank External Protection - Fiberglass  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
I01 - Overfill - Float Vent Valve  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
J01 - Dispenser - Submersible  
L09 - Piping Leak Detection - Exempt Suction Piping  
A00 - Tank Internal Protection - None  
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring  
I02 - Overfill - High Level Alarm  
C02 - Pipe Location - Underground/On-ground

Install Date: 09/01/1993  
Capacity Gallons: 4000  
Tightness Test Method: 09  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Fiberglass coated steel  
Date Test: 11/01/1993  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 06/28/2012

Site ID: 5259

Tank Number: 012  
Tank ID: 47911  
Tank Status: In Service  
Tank Type: Fiberglass coated steel  
Pipe Model: Not reported

Equipment Records:

K01 - Spill Prevention - Catch Basin  
F04 - Pipe External Protection - Fiberglass  
L07 - Piping Leak Detection - Pressurized Piping Leak Detector  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)  
I01 - Overfill - Float Vent Valve  
H04 - Tank Leak Detection - Groundwater Well  
E04 - Piping Secondary Containment - Double-Walled (Underground)  
J01 - Dispenser - Submersible  
A00 - Tank Internal Protection - None  
I02 - Overfill - High Level Alarm  
C02 - Pipe Location - Underground/On-ground

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

L01 - Piping Leak Detection - Interstitial - Electronic Monitoring  
B04 - Tank External Protection - Fiberglass  
Install Date: 09/01/1993  
Capacity Gallons: 4000  
Tightness Test Method: 09  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Fiberglass coated steel  
Date Test: 11/01/1993  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 06/28/2012

Site ID: 5259

Tank Number: 013  
Tank ID: 50648  
Tank Status: In Service  
Tank Type: Fiberglass coated steel  
Pipe Model: Not reported

Equipment Records:

K01 - Spill Prevention - Catch Basin  
F00 - Pipe External Protection - None  
C00 - Pipe Location - No Piping  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
E00 - Piping Secondary Containment - None  
J00 - Dispenser - None  
D00 - Pipe Type - No Piping  
L00 - Piping Leak Detection - None  
H04 - Tank Leak Detection - Groundwater Well  
A00 - Tank Internal Protection - None  
I00 - Overfill - None  
B04 - Tank External Protection - Fiberglass

Install Date: 09/01/1993  
Capacity Gallons: 1000  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Tank Location: 5  
Tank Type: Fiberglass coated steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 06/28/2012

Site ID: 5259

Tank Number: 100  
Tank ID: 228389  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

A00 - Tank Internal Protection - None  
Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 101  
Tank ID: 228390  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 102  
Tank ID: 228391  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 103  
Tank ID: 228392  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 104  
Tank ID: 228393  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 105  
Tank ID: 228394  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None  
Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 106  
Tank ID: 228395  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None  
Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 107  
Tank ID: 228396  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None  
Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 108  
Tank ID: 228397  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 109  
Tank ID: 228398  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 110  
Tank ID: 228399

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 111  
Tank ID: 228400  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 112  
Tank ID: 228401  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 113  
Tank ID: 228402  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 114  
Tank ID: 228403  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Tank Number: 115  
Tank ID: 228404  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

Site ID: 5259

Tank Number: 116  
Tank ID: 228405  
Tank Status: Closed - Removed  
Tank Type: Steel/carbon steel  
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None  
G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None

Install Date: Not reported  
Capacity Gallons: 550  
Tightness Test Method: NN  
Next Test Date: Not reported  
Date Tank Closed: 08/18/1993  
Tank Location: 5  
Tank Type: Steel/carbon steel  
Date Test: Not reported  
Registered: True  
Modified By: NRLOMBAR  
Last Modified: 05/12/2009

SPILLS:

Facility ID: 9305598  
DER Facility ID: 158726  
Facility Type: ER  
Site ID: 190224  
DEC Region: 2  
Spill Date: 8/5/1993  
Spill Number/Closed Date: 9305598 / Not Closed  
Spill Cause: Equipment Failure  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Investigator: MJHAGGER  
Referred To: Not reported  
Reported to Dept: 8/5/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: True  
Remediation Phase: 4  
Date Entered In Computer: 8/9/1993  
Spill Record Last Update: 12/26/2012  
Spiller Name: FRANK MESSINA  
Spiller Company: EXXONMOBIL CORPORATION  
Spiller Address: 1545 ROUTE 22 EAST  
Spiller City,St,Zip: ANNANDALE, NJ 08801  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: 2/10/2004: This spill case was reassigned from Sigona to Rommel for management. (Sigona)10/7/2004: Project management transferred to D. Harrington in Central Office. (Rommel)10/7/2004: Sent letter to Exxon Mobil approving the site characterization work plan. (Harrington)6/6/2005: Sent Exxon Mobil a letter approving the SI report and the supplemental SI work plan. Additional monitoring wells will be installed along West 30th Street. Quarterly sampling will be conducted for 1 year, then a remedial plan will be developed if necessary. (Harrington)9/8/2005: Spill no. 05-06979 was assigned due free product being observed in MW-1. Nature of the product was unknown at the time spill was called in. (Harrington)10/4/2005: Sent e-mail to Exxon Mobil approving the revised supplemental SI work plan, which changed the location of the proposed monitoring wells along the south side of West 30th Street due to utility clearance issues. (Harrington)2/1/2006: Approved the supplemental SI report. Station is currently scheduled for divestment in the first half of 2006. Exxon Mobil to submit documentation regarding decommissioning activities when they occur. RAP will be developed after receipt and review of decommission report and the analytical results of 4 additional rounds of quarterly groundwater sampling. (Harrington)3/8/07 - DEC lead changed from Dave Harrington to Mike Haggerty7/3/07 - Haggerty - approved Groundwater Characterization Work Plan dated 6/28/07. MW-1 along West 30th Street has had intermittent product over the past year. Kleinfelder didn't believe product to be petroleum based. Running parallel to the sidewalk are Oil-o-Static Electric lines. These underground lines are insulated by a di-electric. Kleinfelder believed PCB's could be the unknown product in the well. I was on-site July 26, 2007 when they sampled to see for myself. No free product. Analyticals proved no PCB's are present, only petroleum compounds detected.7/26/07 - I was on-site while they sampled to see for myself. No free product. Analyticals eventually proved no PCB's are present, only petroleum compounds detected.1/3/08 - Haggerty - spoke with Shan Zuidema from Kleinfelder concerning future remediation plans. EFR events were conducted monthly starting in September. Effectiveness will be determined after

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

the January EFR event. Additional remedial strategies will be proposed. Also, groundwater isn't fully delineated. The placement of additional downgradient MWs is difficult due to the presence of underground utilities in the adjacent sidewalks. 6/2/08 - Haggerty - approved Remedial Investigation Work Plan dated May 20, 2008. Additional wells will be installed in the northern portion of the site to track down free product and get a sample for analysis. Kleinfelder proposed eliminating EFR events. Approved discontinuation of EFR events because BTEX dissolved concentrations low. EFRs originally intended to collect LPH but had limited success. Instead, LPH absorbent socks will be installed. 10/1/08 - Haggerty: Ethanol detected at 717ppb on groundwater. spill 08-07364 called in 11/20/08 - Haggerty: spill 08-07364 closed. Ethanol ND in groundwater. Not a new release. Due to the presence of sensitive utilities in the sidewalk of West 30th Street and the transit yard/depot across West 30th Street, the Department will not require further delineation at this time. The Department reserves the right to require further delineation on West 30th Street. 12/9/08 - Haggerty: Product found in 1 of the newly installed wells. PM re-initiated quarterly EFR events 4/1/09 - Haggerty: PM reduced reporting schedule to Bi-annual, still sampling quarterly 9/09 - Haggerty: 4 additional wells installed. 0.4ft of product encountered in 1 of the newly installed wells. PM re-instated quarterly EFR events. April '10 Absorbent LPH Socks will be installed in MW-1 and MW-5. PM approved RegenOx injection pilot test in April May '10 Installation of injection points scheduled for the 2nd week of June June 2010 - Pilot test completed 6/6 and 6/10. Results will be reported in subsequent QMR's November 2010 - EM has handed the project over to Liberty Petroleum Realty LLC. See 11/18/10 letter from Liberty. February 2011 - Feasibility Report under review March 2011 - Waiting for new data to determine effectiveness of ChemOx injection April 2011: reviewed Quarterly Report. Gw conditions have returned to pre-injection conditions. RegenOx appears to have had little to no effect after 3 rounds of quarterly sampling. Spoke with Jerome Oertling from Arcadis (new consultant), they are developing a new remedial plan, possibly a stronger oxidant or excavation or both. I sent email requiring a RAP/CAP be submitted July July 2011: RAP/CAP submitted August 2011: Revised RAP/CAP under review per my comments on the original RAP/CAP Sept 2011 - approved Revised RAP/CAP November 2011 - Bolla has yet to sign the CO January 2012 - RAP/ CAP approved. Need CO to implement February 2012 - CO executed, injections can now proceed May 2012 - waiting on preliminary results August 2012 - Additional VTE events have been conducted to remove the product in MW-8 December 2012 - Arcadis still removing residual product using dual-phase extraction events. Injections will begin after the product has been removed

Remarks: CONTAMINATED SOIL IN U/G TANK EXCAVATION -

Material:  
Site ID: 190224  
Operable Unit ID: 987112  
Operable Unit: 01  
Material ID: 395511  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AIRS (AFS):

Airs Minor Details:

EPA plant ID: 110004470279  
Plant name: MOBIL OIL-#17-510 ALBRO OPERA  
Plant address: 309 11TH STREET  
NEW YORK, NY 10001  
County: NEW YORK  
Region code: 02  
Dunn & Bradst #: Not reported  
Air quality cntrl region: 043  
Sic code: 5541  
Sic code desc: GASOLINE SERVICE STATIONS  
North Am. industrial classf: Not reported  
NAIC code description: Not reported  
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT  
Current HPV: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 0904  
Air prog code hist file: 0  
  
State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1001  
Air prog code hist file: 0  
  
State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1002  
Air prog code hist file: 0  
  
State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1003  
Air prog code hist file: 0  
  
State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1004  
Air prog code hist file: 0  
  
State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1101  
Air prog code hist file: 0  
  
State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MOBIL OIL-#17-510 ALBRO OPERA (Continued)**

**1000553497**

Hist compliance date: 1102  
 Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
 Hist compliance date: 1103  
 Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
 Hist compliance date: 1104  
 Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
 Hist compliance date: 1201  
 Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
 Hist compliance date: 1202  
 Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
 Hist compliance date: 1203  
 Air prog code hist file: 0

Compliance & Violation Data by Minor Sources:

Air program code: SIP SOURCE  
 Plant air program pollutant: Not reported  
 Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
 Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
 Def. attainment/non attainment: ATTAINMENT AREA FOR GIVEN POLLUTANT  
 Repeat violator date: Not reported  
 Turnover compliance: Not reported

Air program code: SIP SOURCE  
 Plant air program pollutant: VOLATILE ORGANIC COMPOUNDS  
 Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
 Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
 Def. attainment/non attainment: Not reported  
 Repeat violator date: Not reported  
 Turnover compliance: Not reported

**H90  
 NW  
 < 1/8  
 0.118 mi.  
 621 ft.**

**WEST 28TH STREET YARD  
 281 11TH AVE  
 MAHATTAN, NY**

**Site 20 of 21 in cluster H**

**NY Spills S110540908  
 N/A**

**Relative:  
 Lower**

**SPILLS:**

Facility ID: 1006545  
 DER Facility ID: 394905  
 Facility Type: ER  
 Site ID: 439904  
 DEC Region: 2  
 Spill Date: 9/16/2010  
 Spill Number/Closed Date: 1006545 / 9/16/2010  
 Spill Cause: Equipment Failure  
 Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. No DEC Response. No corrective action

**Actual:  
 12 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST 28TH STREET YARD (Continued)

S110540908

required.  
SWIS: 3101  
Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 9/16/2010  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/16/2010  
Spill Record Last Update: 10/19/2010  
Spiller Name: ERT  
Spiller Company: CONEDISON  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 999  
Contact Name: ERT  
Contact Phone: (212) 580-8383  
DEC Memo: 10/19/10 - Austin - 1-pint anti-freeze spill from Con Ed vehicle -  
Con Ed contained and cleaned up the release - see eDocs documents for  
more information - closed - end  
Remarks: Company Vehicle 60876 spilled on to blacktop, asphalt, clean up is  
complete as of 1136 hours. Approx.16 oz.  
Material:  
Site ID: 439904  
Operable Unit ID: 1190534  
Operable Unit: 01  
Material ID: 2185557  
Material Code: 0043A  
Material Name: ANTIFREEZE  
Case No.: Not reported  
Material FA: Other  
Quantity: 5.00000000000000  
Units: Not reported  
Recovered: 5.0000000000000003E-  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**O91**            **CONSTRUCTION SITE**  
**ENE**            **500 WEST 30TH ST**  
**< 1/8**           **NEW YORK (MANHATTAN), NY**  
**0.121 mi.**  
**637 ft.**           **Site 1 of 4 in cluster O**

**NY Spills**    **S111835178**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 1114471  
 DER Facility ID: 416953  
 Facility Type: ER  
 Site ID: 462530  
 DEC Region: 2  
 Spill Date: 3/29/2012  
 Spill Number/Closed Date: 1114471 / 9/6/2012  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**19 ft.**

**SWIS:**

Investigator: RMPIPER  
 Referred To: Not reported  
 Reported to Dept: 3/29/2012  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 3/29/2012  
 Spill Record Last Update: 9/6/2012  
 Spiller Name: KEVIN MCGUNISS  
 Spiller Company: UNK SPILLER  
 Spiller Address: 500 WEST 30TH ST  
 Spiller City,St,Zip: NEW YORK (MANHATTAN), NY  
 Spiller Company: 999  
 Contact Name: KEVIN MCGUNISS  
 Contact Phone: 212675-3225  
 DEC Memo:

DEC Piper reviewed the tank closure report. 11 550 tanks were removed in total along with all cont soil. Endpoints showed low level VOCs and SVOCs. Site is being redeveloped and will have a vapro barrier as the basement will be set in GW. Historically gw showed low level CVOCs from adjacent site though none in sopil and soil vapor. Based on work to date, no further action is warranted. A CVOC plume trackdown investigation is being conducted at the adjacent site and surrounding area. See edoc for report.

**Remarks:**

during excavation tank w/ water found, c/u pending

**Material:**

Site ID: 462530  
 Operable Unit ID: 1212614  
 Operable Unit: 01  
 Material ID: 2210491  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE (Continued)**

**S111835178**

Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**P92**  
**West**  
**< 1/8**  
**0.121 mi.**  
**639 ft.**

**26 TH & 11TH AVE**  
**601 WEST 26TH STREET**  
**MANHATTAN, NY**  
**Site 1 of 7 in cluster P**

**NY LTANKS** **S104275653**  
**NY Spills** **N/A**

**Relative:**  
**Lower**

**LTANKS:**

**Actual:**  
**6 ft.**

Site ID: 154650  
Spill Number/Closed Date: 9100519 / 10/16/1997  
Spill Date: 4/12/1991  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: TJDMEEO  
Referred To: Not reported  
Reported to Dept: 4/12/1991  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 4/17/1991  
Spill Record Last Update: 8/2/2005  
Spiller Name: Not reported  
Spiller Company: OWNER  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 131104  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEEO"05/18/2001Reassigned from Finger to Demeo  
Remarks: 20K TANK, TANK DORMANT FOR 4YRS,WATER GETTING INTO TANK VIA FILL LINE,OIL FLOATED OUT ONTO CONCRETEBASEMENT FLOOR IN TANKROOM,VAC TRUCK & SPEEDY DRY WAS USED.

**Material:**

Site ID: 154650  
Operable Unit ID: 951519  
Operable Unit: 01

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**26 TH & 11TH AVE (Continued)**

**S104275653**

Material ID: 426710  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 150  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**SPILLS:**

Facility ID: 0407003  
DER Facility ID: 131104  
Facility Type: ER  
Site ID: 127577  
DEC Region: 2  
Spill Date: 9/24/2004  
Spill Number/Closed Date: 0407003 / 10/6/2005  
Spill Cause: Other  
Spill Class: Not reported  
SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 9/24/2004  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/24/2004  
Spill Record Last Update: 10/6/2005  
Spiller Name: REBECCA TUMMON  
Spiller Company: SIDEWALK OF 11TH AVE  
Spiller Address: 601 WEST 26TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: REBECCA TUMMON  
Contact Phone: (212) 612-7941  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"Boring on 11th Avenue.10-06-05: Contamination discovered in borings performed for #7 line extension. Contamination found in another boring in the area (0406966). Spill already exists for site 0311818. Closed and referred. Boring log and notes in eDocs.  
Remarks: FOUND CONTAMINATED SOIL WHILE DRILLING: MONITORING GROUND NOW; PID ARE BETWEEN 50-300PPM

Material:  
Site ID: 127577

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**26 TH & 11TH AVE (Continued)**

**S104275653**

Operable Unit ID: 890313  
Operable Unit: 01  
Material ID: 484846  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0406966  
DER Facility ID: 131104  
Facility Type: ER  
Site ID: 198670  
DEC Region: 2  
Spill Date: 9/23/2004  
Spill Number/Closed Date: 0406966 / 10/6/2005  
Spill Cause: Other  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 9/23/2004  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/23/2004  
Spill Record Last Update: 10/6/2005  
Spiller Name: REBECCA TUMMON  
Spiller Company: IN FRONT 601 21ST STREET  
Spiller Address: 26 TH & 11TH AVE  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: REBECCA TUMMON  
Contact Phone: (212) 612-7941  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"10-06-05: Contamination discovered in boring for #7 line extension in front of 601 West 26th Street. A second boring in the area (0407003) was also contaminated. Existing spill # 0311818. Closed and referred. Boring log and notes in eDocs.  
Remarks: DURING DRILLING FOUND A STRONG ODOR AND CONTAMINATED SOIL: 20-50 PPM: INVESTIGATION WAS FOR NYC TRANSIT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**26 TH & 11TH AVE (Continued)**

**S104275653**

Material:

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

**P93**  
**West**  
**< 1/8**  
**0.121 mi.**  
**639 ft.**

**VAULT V7236**  
**601 WEST 26TH ST**  
**NEW YORK, NY, NY**  
**Site 2 of 7 in cluster P**

**NY Spills** **S110139537**  
**N/A**

**Relative:**  
**Lower**

**Actual:**  
**6 ft.**

**SPILLS:**

Facility ID: 0911011  
DER Facility ID: 372722  
Facility Type: ER  
Site ID: 423787  
DEC Region: 2  
Spill Date: 1/12/2010  
Spill Number/Closed Date: 0911011 / 5/26/2010  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:**

Investigator: ConEd Unassigned  
Referred To: Not reported  
Reported to Dept: 1/12/2010  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/12/2010  
Spill Record Last Update: 5/26/2010  
Spiller Name: ERT  
Spiller Company: CON ED  
Spiller Address: 601 WEST 26TH ST  
Spiller City,St,Zip: NEW YORK, NY, NY  
Spiller Company: 999  
Contact Name: ERT  
Contact Phone: (212) 580-8383  
DEC Memo: 05/26/10 - See eDocs for Con Ed report detailing cleanup and closure.  
Remarks: to concrete vault - temporary repair made - actual total 1 oz. of fluid - cleanup done

**Material:**

Site ID: 423787  
Operable Unit ID: 1179594  
Operable Unit: 01  
Material ID: 2173342

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VAULT V7236 (Continued)**

**S110139537**

Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.1000000000000  
Units: Gallons  
Recovered: 0.10000000000000001  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**P94**  
**West**  
**< 1/8**  
**0.121 mi.**  
**639 ft.**

**601 W. 26TH ST**  
**601 W. 26TH ST**  
**MANHATTAN, NY**  
**Site 3 of 7 in cluster P**

**NY LTANKS** **S101341240**  
**N/A**

**Relative:**  
**Lower**

LTANKS:

**Actual:**  
**6 ft.**

Site ID: 120666  
Spill Number/Closed Date: 9412158 / 12/12/1994  
Spill Date: 12/12/1994  
Spill Cause: Tank Failure  
Spill Source: Passenger Vehicle  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 12/12/1994  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 12/12/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Fire Department  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 1/27/1995  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: UNKNOWN VEHICLE  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller County: 999  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 104757  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"  
Remarks: SPILL CONTAINED ON ROAD PAVEMENT. F.D. RESPONDED & SANITATION APPEAR SAND & P/UP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**601 W. 26TH ST (Continued)**

**S101341240**

Material:

Site ID: 120666  
Operable Unit ID: 1005924  
Operable Unit: 01  
Material ID: 374490  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 15  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**P95**  
**West**  
**< 1/8**  
**0.121 mi.**  
**639 ft.**

**601 W 26TH ST**  
**601 W 26TH ST**  
**NYC, NY**  
**Site 4 of 7 in cluster P**

**NY Spills S102141323**  
**N/A**

**Relative:**  
**Lower**

SPILLS:

Facility ID: 9106840  
DER Facility ID: 144375  
Facility Type: ER  
Site ID: 171556  
DEC Region: 2  
Spill Date: 9/25/1991  
Spill Number/Closed Date: 9106840 / 3/30/1995  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**6 ft.**

SWIS: 3101  
Investigator: KSTANG  
Referred To: Not reported  
Reported to Dept: 9/25/1991  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Railroad Car  
Spill Notifier: Responsible Party  
Cleanup Ceased: 3/30/1995  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/30/1991  
Spill Record Last Update: 3/30/1995  
Spiller Name: Not reported  
Spiller Company: HELMSLEY-SPEAR, INC  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**601 W 26TH ST (Continued)**

**S102141323**

Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"  
Remarks: SPILL IN WAREHOUSE TANK ROOM. CREW EN ROUTE.  
Material:  
Site ID: 171556  
Operable Unit ID: 961079  
Operable Unit: 01  
Material ID: 422516  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**H96  
NW  
< 1/8  
0.123 mi.  
648 ft.**

**628 W 28TH ST  
MANHATTEN, NY  
Site 21 of 21 in cluster H**

**NY Spills S104649493  
N/A**

**Relative:  
Lower**

SPILLS:  
Facility ID: 9905638  
DER Facility ID: 149096  
Facility Type: ER  
Site ID: 177436  
DEC Region: 2  
Spill Date: 8/10/1999  
Spill Number/Closed Date: 9905638 / 2/3/2004  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: CAENGELH  
Referred To: Not reported  
Reported to Dept: 8/10/1999  
CID: 322  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/10/1999  
Spill Record Last Update: 2/3/2004  
Spiller Name: CALLER  
Spiller Company: CON ED

**Actual:  
11 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S104649493

Spiller Address: 4 IRVING PL  
Spiller City,St,Zip: MANHATTAN, NY 10003  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"e2mis no. 127140:FOUND 16 OZ TRANSFORMER OIL ON FLOOR IN V0853 ON FEEDER 13M5 FROM A LEAKING GROUND HANDEL. PIGS,PADS AND OIL ABSORBMENT ON FLOOR AND BLOCK DRAIN. NO WATERWAYS OR SEWER AFFECTED. NO SUMP.Transformers repaired. Ground Handle Packing Nut was tightened and leak subsequently stopped. Final cleanup completed as 50-499 ppm PCB by removing all debris and double washing side of transformer and vault floor with degreaser. Unit was pressure tested and held pressure. Repair held.LAB SEQ#99-08373Aroclor 1260 PCB 13 ppm.  
Remarks: vault #0853 - spill contained in vault spill being cleaned up spill from a feeder - con ed #127140

Material:  
Site ID: 177436  
Operable Unit ID: 1084171  
Operable Unit: 01  
Material ID: 301928  
Material Code: 0020A  
Material Name: TRANSFORMER OIL  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: Yes  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

O97  
ENE  
1/8-1/4  
0.126 mi.  
666 ft.

SHAFT 26B  
10TH AVE & 30 TH STREET  
MANHATTAN, NY

NY Spills S108465517  
N/A

Site 2 of 4 in cluster O

Relative:  
Higher

SPILLS:  
Facility ID: 0611740  
DER Facility ID: 326030  
Facility Type: ER  
Site ID: 376440  
DEC Region: 2  
Spill Date: 1/23/2007  
Spill Number/Closed Date: 0611740 / 1/23/2007  
Spill Cause: Human Error  
Spill Class: Not reported  
SWIS: 3101  
Investigator: rvketani  
Referred To: Not reported  
Reported to Dept: 1/23/2007  
CID: 410  
Water Affected: Not reported  
Spill Source: Commercial/Industrial

Actual:  
19 ft.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SHAFT 26B (Continued)**

**S108465517**

Spill Notifier: Local Agency  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 1/23/2007  
 Spill Record Last Update: 1/23/2007  
 Spiller Name: ROBIN WILSON  
 Spiller Company: SHAFT 26B  
 Spiller Address: 10TH AVE & 30 TH STREET  
 Spiller City,St,Zip: MANHATTAN, NY  
 Spiller Company: 001  
 Contact Name: ROBIN WILSON  
 Contact Phone: (212) 967-2212  
 DEC Memo: 1/23/07 - Raphael Ketani. I spoke to Robin Wilson at (212) 967-2212. She said that the spill happened when one of the workers disconnected a hose from a machine. She said that it was all cleaned up. Based upon my conversation with Ms. Wilson and the successful cleanup of the small amount of oil spilled, I am closing the spill case.  
 Remarks: SPILL WAS ON SOIL AND ASPHALT, SPILL AMOUNT ROUGHLY 1 QUART:

Material:  
 Site ID: 376440  
 Operable Unit ID: 1134016  
 Operable Unit: 01  
 Material ID: 2123850  
 Material Code: 0008  
 Material Name: Diesel  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**O98  
 ENE  
 1/8-1/4  
 0.126 mi.  
 666 ft.**

**STREET  
 30TH ST AND 10TH AVE  
 MANHATTAN, NY  
 Site 3 of 4 in cluster O**

**NY Spills S102240208  
 N/A**

**Relative:  
 Higher**

SPILLS:  
 Facility ID: 9603350  
 DER Facility ID: 223876  
 Facility Type: ER  
 Site ID: 275335  
 DEC Region: 2  
 Spill Date: 6/10/1996  
 Spill Number/Closed Date: 9603350 / 12/3/2004  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 19 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STREET (Continued)**

**S102240208**

SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 6/10/1996  
CID: 252  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/10/1996  
Spill Record Last Update: 12/3/2004  
Spiller Name: RICHARD ROACH  
Spiller Company: CON EDISON  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY 10003  
Spiller Company: 001  
Contact Name: LISA PRIMEGGIA  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"12/3/04: Information submitted by Con Ed dated 6/10/96 states: "COMPANY VEHICLE LEAKED MOTOR OIL ONTO THE STREET. THE OIL FILTER (LUBERFINER) LEAKED. ESTIMATED AMOUNT OF SPILL: 10 GALLONS. CONTAINMENT (DESCRIPTION): ABSORBENT PADS. EXPECTED TIME OF CLEANUP: 6/10/96 @ 1930 HRS." Close out. (JHO)  
Remarks: oil from con eds veh leaked on to road way-will be cleaned upin the next hour

Material:

Site ID: 275335  
Operable Unit ID: 1034637  
Operable Unit: 01  
Material ID: 349609  
Material Code: 0015  
Material Name: Motor Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**J99**  
**South**  
**1/8-1/4**  
**0.126 mi.**  
**667 ft.**

**CHELSEA HOUSES -NYCHA**  
**425 WEST 25TH ST**  
**MANHATTAN, NY**  
**Site 7 of 7 in cluster J**

**NY Spills**    **S104504739**  
                          **N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 9802923  
 DER Facility ID: 178515  
 Facility Type: ER  
 Site ID: 215543  
 DEC Region: 2  
 Spill Date: 6/4/1998  
 Spill Number/Closed Date: 9802923 / 7/21/1998  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**13 ft.**

**SWIS:** 3101  
 Investigator: MCTIBBE  
 Referred To: Not reported  
 Reported to Dept: 6/5/1998  
 CID: 297  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Local Agency  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 6/5/1998  
 Spill Record Last Update: 1/6/2005  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller Company: 001  
 Contact Name: FDNY #58  
 Contact Phone: (212) 570-4300  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"HANDLED BY NYCDEP AND FDNY.SPILL NAME WAS FORMERLY "APARTMENT BLDG." CHANGED TO "CHELSEA HOUSES" ON 1/6/05 BY JK.

Remarks: NYC DEP RECEIVED A CALL FROM FDNY DISPATCH FOR A SPILL REPORTED AT THE ABOVE LOCATION - FDNY ON SCENE AND THEY ARE REQUESTING A RESPONSE FROM NYC DEP

**Material:**

Site ID: 215543  
 Operable Unit ID: 1063584  
 Operable Unit: 01  
 Material ID: 321249  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 20  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHELSEA HOUSES -NYCHA (Continued)**

**S104504739**

Oxygenate: False

Tank Test:

**P100**  
**West**  
**1/8-1/4**  
**0.127 mi.**  
**668 ft.**

**TWO GALLONS OIL IN VAULT #1535**  
**601 WEST 26 STREET**  
**MANHATTAN, NY**  
**Site 5 of 7 in cluster P**

**NY Spills S108296495**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

**Actual:**  
**6 ft.**

Facility ID: 0610036  
DER Facility ID: 324084  
Facility Type: ER  
Site ID: 374401  
DEC Region: 2  
Spill Date: 12/4/2006  
Spill Number/Closed Date: 0610036 / 2/16/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**SWIS:**

3101  
Investigator: GDBREEN  
Referred To: Not reported  
Reported to Dept: 12/4/2006  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/4/2006  
Spill Record Last Update: 2/16/2007  
Spiller Name: ERTS  
Spiller Company: CON EDISON VAULT #1535  
Spiller Address: 601 WEST 26TH STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 001  
Contact Name: ERTS  
Contact Phone: (212) 580-8383  
DEC Memo: 02/16/07 - See e-docs for Con Ed report detailing cleanup and closure.203551. see eDocs

**Remarks:**

ON WATER : NO TO ALL QUESTIONS: CONED # 203551

**Material:**

Site ID: 374401  
Operable Unit ID: 1132081  
Operable Unit: 01  
Material ID: 2121799  
Material Code: 0020A  
Material Name: TRANSFORMER OIL  
Case No.: Not reported  
Material FA: Petroleum

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TWO GALLONS OIL IN VAULT #1535 (Continued)**

**S108296495**

Quantity: 2  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

1101  
WNW  
1/8-1/4  
0.127 mi.  
671 ft.

**WEST 27TH AND 11TH  
I/F/O 625 WEST 27TH ST  
MANHATTAN, NY**

**NY Spills S104880088  
N/A**

**Site 10 of 10 in cluster I**

**Relative:  
Lower**

**SPILLS:**

Facility ID: 0008792  
DER Facility ID: 213592  
Facility Type: ER  
Site ID: 261551  
DEC Region: 2  
Spill Date: 10/28/2000  
Spill Number/Closed Date: 0008792 / 2/13/2003  
Spill Cause: Unknown  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
10 ft.**

**SWIS:** 3101  
Investigator: SACCACIO  
Referred To: Not reported  
Reported to Dept: 10/28/2000  
CID: 255  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Fire Department  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/28/2000  
Spill Record Last Update: 2/13/2003  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: JOHN CERIELLO  
Contact Phone: (212) 570-4218  
DEC Memo: Not reported  
Remarks: Police dept notified DEP of discovery of a container of paint thinner that is leaking - 5 gallons has leaked and FD is overpacking the container now

**Material:**

Site ID: 261551  
Operable Unit ID: 829389

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 27TH AND 11TH (Continued)**

**S104880088**

Operable Unit: 01  
Material ID: 546290  
Material Code: 0056A  
Material Name: PAINT THINNERS  
Case No.: Not reported  
Material FA: Other  
Quantity: 25  
Units: Gallons  
Recovered: 25  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**O102**  
**ENE**  
**1/8-1/4**  
**0.129 mi.**  
**683 ft.**

**SHAFT 26B**  
**30 & 10 STREET**  
**MANHATTEN, NY**

**NY Spills S108956458**  
**N/A**

**Site 4 of 4 in cluster O**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0708586  
DER Facility ID: 339086  
Facility Type: ER  
Site ID: 389507  
DEC Region: 2  
Spill Date: 11/6/2007  
Spill Number/Closed Date: 0708586 / 11/7/2007  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**19 ft.**

**SWIS:** 3101  
Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 11/7/2007  
CID: 444  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/7/2007  
Spill Record Last Update: 11/7/2007  
Spiller Name: ROBIN WILSON  
Spiller Company: SHAFT 26B  
Spiller Address: 30 & 10 STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 001  
Contact Name: ROBIN WILSON  
Contact Phone: (212) 967-2212  
DEC Memo: spill is all cleaned up.  
Remarks: CASno: LOADING 4 - 55 GALLON DRUMS AND THE PALLET BROKE AND SPILLED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SHAFT 26B (Continued)**

**S108956458**

ALL OVER AND IS ALL CLEANED UP: THE MATERIAL WAS NOXCRETE:

Material:

Site ID: 389507  
Operable Unit ID: 1146648  
Operable Unit: 01  
Material ID: 2137024  
Material Code: 0063A  
Material Name: UNKNOWN HAZARDOUS MATERIAL  
Case No.: Not reported  
Material FA: Hazardous Material  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**K103**  
**SW**  
**1/8-1/4**  
**0.132 mi.**  
**697 ft.**

**COMMERCIAL PROPERTY**  
**210 11TH AVENUE**  
**NEW YORK, NY 10001**  
**Site 4 of 4 in cluster K**

**NY Spills** **U003740128**  
**N/A**

**Relative:**  
**Lower**

SPILLS:

Facility ID: 0314108  
DER Facility ID: 5017  
Facility Type: ER  
Site ID: 257492  
DEC Region: 2  
Spill Date: 3/26/2004  
Spill Number/Closed Date: 0314108 / 11/13/2009  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 3/26/2004  
CID: 404  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/26/2004  
Spill Record Last Update: 11/13/2009  
Spiller Name: JOHN  
Spiller Company: AMARADO HESS OIL CO.  
Spiller Address: 238 WEST FORT LEE RD  
Spiller City,St,Zip: BOGOTA, NJ  
001

**Actual:**  
**8 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**COMMERCIAL PROPERTY (Continued)**

**U003740128**

Contact Name: TOMMY BETHEA  
 Contact Phone: (212) 989-6990  
 DEC Memo: 7/18/05referred to Ray Sojaka from Hess. Scott Reichinger7/22/05Received fax from Ray Sojaka. Called back and asked for receipt of disposal of soil, copy of work order. Scott ReichingerPrior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"Actual spill was much larger.Total failure of a 7500 gal tank in the building basementDeMeo respondedTransferred to CO ("screichi") - no notes11/16/06 - Austin - Reassigned to Rahman for followup/review - end10/07/09 CSL was sent to (via facsimile also)ONBAR LLCC/O ABS Partners Real Estate, LLC200 Park Avenue South, 10th FloorNew York, NY 10003Attn: Viorica R Lazaroaie(sr)10/26/09 Rec'd letter response from ACE-ATLAS that indicates an inspection was performed and oil staining observed in the previous tank room, which will be cleaned.Soil borings will be performed and a report will follow with investigation findings.(sr)11/13/09 Rec'd closure request. Rite Way Tank Maintenance cleaned up the oil stain from the old tank room. No borings were performed in the tank room as the floor concrete was about 10" thick. Soil sample was taken from boiler room, outside of the tank room. No subsurface contamination found above TAGM.Case closed.(sr)  
 Remarks: cleanup pending. a contractor will do the cleanup. customer service has been notified to contact someone.

Material:  
 Site ID: 257492  
 Operable Unit ID: 879395  
 Operable Unit: 01  
 Material ID: 495691  
 Material Code: 0003A  
 Material Name: #6 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 4  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**L104  
 NNW  
 1/8-1/4  
 0.134 mi.  
 706 ft.**

**RED BALL INTERIOR DEMOLITION  
 625 WEST 29 STREET  
 NEW YORK, NY 10001**

**NY SWF/LF S108146083  
 NY Financial Assurance N/A**

**Site 4 of 6 in cluster L**

**Relative:  
 Higher**

SWF/LF:  
 Flag: INACTIVE  
 Region Code: 2  
 Phone Number: 2125942931  
 Owner Name: Not reported  
 Owner Type: Not reported  
 Owner Address: Not reported  
 Owner Addr2: Not reported  
 Owner City,St,Zip: Not reported  
 Owner Email: Not reported

**Actual:  
 13 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RED BALL INTERIOR DEMOLITION (Continued)**

**S108146083**

Owner Phone: Not reported  
Contact Name: DANIEL PALMADESSA; PRESIDENT  
Contact Address: Not reported  
Contact Addr2: Not reported  
Contact City,St,Zip: Not reported  
Contact Email: Not reported  
Contact Phone: Not reported  
Activity Desc: Transfer station - permit  
Activity Number: [31T08]  
Active: No  
East Coordinate: 584200  
North Coordinate: 4512900  
Accuracy Code: Not reported  
Regulatory Status: Permit  
Waste Type: Not reported  
Authorization #: 2-6205-00003  
Authorization Date: Not reported  
Expiration Date: 12/31/1999

NY Financial Assurance 1:

Owner Name: Not reported  
Region: 2  
Planning Unit: Not reported  
Estimate Type: Not reported  
Estimate Amount: Not reported  
Estimate Date: Not reported  
Mechanism: Other State approved mechanism  
Mechanism Amount: 0  
Activity Number: 31T08  
Activity Description: Transfer station - permit

**L105**  
**North**  
**1/8-1/4**  
**0.135 mi.**  
**715 ft.**

**605 WEST 30TH ST**  
**MANHATTAN, NY**  
**Site 5 of 6 in cluster L**

**NY Spills S106016123**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0303971  
DER Facility ID: 113770  
Facility Type: ER  
Site ID: 132083  
DEC Region: 2  
Spill Date: 7/15/2003  
Spill Number/Closed Date: 0303971 / 7/16/2003  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**Actual:**  
**14 ft.**

**SWIS:**  
Investigator: CESAUYER  
Referred To: Not reported  
Reported to Dept: 7/15/2003  
CID: 418  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Federal Government  
Cleanup Ceased: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106016123

Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/15/2003  
Spill Record Last Update: 7/16/2003  
Spiller Name: ANTHONY VELVESCOVO  
Spiller Company: SHABONE,FRONTEIR,TEMPER  
Spiller Address: 605 WEST 30TH ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: CALLER  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SAWYER" Sawyer confirmed that the clean up was complete

Remarks: caller states the forlift operator punctured the barrels while trying to move them, clean up is complete

Material:

Site ID: 132083  
Operable Unit ID: 870991  
Operable Unit: 01  
Material ID: 504831  
Material Code: 0015  
Material Name: Motor Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: 50  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 132083  
Operable Unit ID: 870991  
Operable Unit: 01  
Material ID: 504832  
Material Code: 0021  
Material Name: Transmission Fluid  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: 50  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**L106**  
**North**  
**1/8-1/4**  
**0.138 mi.**  
**726 ft.**

**NYC DEPT OF SANITATION**  
**606 WEST 30TH STREET**  
**MANHATTAN, NY**  
**Site 6 of 6 in cluster L**

**NY Spills**    **S107788423**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0602047  
 DER Facility ID: 314657  
 Facility Type: ER  
 Site ID: 364436  
 DEC Region: 2  
 Spill Date: 5/24/2006  
 Spill Number/Closed Date: 0602047 / 4/12/2010  
 Spill Cause: Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**14 ft.**

**SWIS:** 3101  
 Investigator: HRPATEL  
 Referred To: Not reported  
 Reported to Dept: 5/24/2006  
 CID: 444  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 5/24/2006  
 Spill Record Last Update: 4/12/2010  
 Spiller Name: JAY SHAW  
 Spiller Company: NYC DEPT OF SANITATION  
 Spiller Address: 606 WEST 30TH STREET  
 Spiller City,St,Zip: MANAHTTEN, NY  
 Spiller Company: 001  
 Contact Name: JAY SHAW  
 Contact Phone: (718) 334-9138  
 DEC Memo:

05/25/06-Hiralkumar Patel. Spoke to Mr. Shah. he gave me PBS # 2-601983 and tank is registered with following address:319 11th AveNew York, NY 10001he asked me to send TTF at following address:Neil GallagherDirectorBureau Building Maintenance52-35 58th StreetRoom 410Woodside, NY 11377Ph. (718) 334-9100/9117 (646) 235-3182 (C)FAX (718) 334-9334email: ngallagh@dny.nyc.govTTF sent out to Mr. Gallagher. faxed to Mr. Gallagher.06/28/06-Hiralkumar Patel. Received letter from Mr. Gallagher. they did isolation test and found wet leak. product was contained in the annular space. tank is empty currently and they are working to solve this.08/10/06-Hiralkumar Patel. spoke with Mr. Shah. he will check with Mr. Gallagher and will call back.08/11/06-Hiralkumar Patel. received call from Mr. Gallagher. he handed this project in his engineering department and they are working on it. as tank was double walled, spill was contained. will call with updates.09/25/06-Hiralkumar Patel. left message for Mr. Gallagher. 09/27/06-Hiralkumar Patel. received message from Mr. Gallagher (718-334-9117). spoke with Mr. Gallagher. he will be meeting other personals wokring on this matter, next week. if their engineering

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NYC DEPT OF SANITATION (Continued)

S107788423

department allow them to remove this tank, they will remove within 3-4 months. if they don't get permission for tank removal then tank will be removed after winter, probably in next april.12/05/06-Hiralkumar Patel. left message for Mr. Gallagher.06/04/07-Hiralkumar Patel. left message for Jay Shah at Mr. Gallagher's office.06/05/07-Hiralkumar Patel. received message from Mr. Shah. left message for Mr. Shah. spoke with Mr. Shah. as per him, their engineering department will replace leaking tank. Mr. Shah will call back with more information.10/31/07-Hiralkumar Patel. spoke with Mr. Shah. he asked to contact Mr. Gallagher. left message for Mr. Gallagher.11/01/07-Hiralkumar Patel. received message from Mr. Gallagher. left message for Mr. Gallagher.received call from Mr. Gallagher. as per him, tank has been replaced. he will call his consultant and ask him to call me.11/26/07-Hiralkumar Patel. spoke with Mr. Gallagher. asked to submit report.03/21/08-Hiralkumar Patel. left message for Mr. Gallagher. received call from Mr. Shah. he will look for report and will call back.03/19/09-Hiralkumar Patel. left message for Mr. Gallagher.03/20/09-Hiralkumar Patel. received message from Mr. Gallagher. spoke with Mr. Gallagher. sanitation dept. changed tanks at the site. asked Mr. Gallagher to submit report.12/17/09-Hiralkumar Patel.10:19 AM:- spoke with Mr. Gallagher and asked to submit report. he will talk to DDC and their contractor, who did work.12/21/09-Hiralkumar Patel. received message from Mr. Gallagher (at 1 PM on 12/19/09). he mentioned that person who handled this project is on vacation and will call back after 01/01/10.04/02/10-Hiralkumar Patel.11:09 AM:- spoke with Mr. Gallagher and asked him to submit report by end of 04/09/10.04/09/10-Hiralkumar Patel. received tanks removal affidavit from Mr. Gallagher. as per tanks removal affidavit from Empire environmental, two 2,500 gal diesel USTs and associated lines were removed on 10/17/07 and no visual or odor contmination was found.04/12/10-Hiralkumar Patel. 9:14 AM:- left message for Michael at Empire Environmental.Michael GiustinianiEmpire EnvironmentalPh. (718) 714-68989:28 AM:- received call from Carol from Empire environmental.9:36 AM:- spoke with Carol. she confirmed that no contamination found after tanks removed and new tanks installed in same location.as old tanks were double wall and product was contained inside annular space and as no contamination found during tank systems removal, case closed.

Remarks:

FURTHER INVESTIGATION

Material:

Site ID: 364436  
Operable Unit ID: 1122460  
Operable Unit: 01  
Material ID: 2111928  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**NYC DEPT OF SANITATION (Continued)**

**S107788423**

Site ID: 364436  
 Spill Tank Test: 1550012  
 Tank Number: 1  
 Tank Size: 2500  
 Test Method: 03  
 Leak Rate: 0  
 Gross Fail: Not reported  
 Modified By: Watchdog  
 Last Modified: 5/24/2006  
 Test Method: Horner EZ Check I or II

**Q107**  
**WSW**  
**1/8-1/4**  
**0.151 mi.**  
**799 ft.**

**210 11TH AVE**  
**MANHATTAN, NY**

**Site 1 of 10 in cluster Q**

**NY Spills S104648828**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 9900339  
 DER Facility ID: 210845  
 Facility Type: ER  
 Site ID: 257493  
 DEC Region: 2  
 Spill Date: 4/9/1999  
 Spill Number/Closed Date: 9900339 / 4/9/1999  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**7 ft.**

**SWIS:** 3101  
 Investigator: JXZHAO  
 Referred To: Not reported  
 Reported to Dept: 4/9/1999  
 CID: 205  
 Water Affected: Not reported  
 Spill Source: Commercial Vehicle  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 4/9/1999  
 Spill Record Last Update: 4/9/1999  
 Spiller Name: OWNER  
 Spiller Company: HEMSLEY SPEAR  
 Spiller Address: 210 11TH AVE  
 Spiller City,St,Zip: MANHATTAN, NY  
 Spiller Company: 001  
 Contact Name: CALLER  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ZHAO"10:45AM OUTSIDE ON THE SIDEWALK, NO DRAINS. JIM CAREY CASTLE OIL CO. IS RESPONSIBLE FOR CLEANUP. CREW HAS ALREADY BEEN THERE. CLEANUP SHOULD BE DONE BY 12:00PM.  
 Remarks: CALLER REPORTED OVERFILL DUE TO EQUIPT FALIURE ON BLDG.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S104648828

Material:  
Site ID: 257493  
Operable Unit ID: 1079108  
Operable Unit: 01  
Material ID: 307477  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 15  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

R108  
SSW  
1/8-1/4  
0.152 mi.  
802 ft.

VACANT LOT  
511 WEST 24TH STREET  
MANHATTAN, NY

NY LTANKS S106868700  
N/A

Site 1 of 9 in cluster R

Relative:  
Lower

LTANKS:  
Site ID: 337632  
Spill Number/Closed Date: 0412228 / 3/16/2005  
Spill Date: 2/16/2005  
Spill Cause: Tank Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 2/16/2005  
CID: 444  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 2/16/2005  
Spill Record Last Update: 3/16/2005  
Spiller Name: TIM SIMMONS  
Spiller Company: VACANT LOT  
Spiller Address: 511 WEST 24TH STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller County: 001  
Spiller Contact: TIM SIMMONS  
Spiller Phone: (917) 353-7604  
Spiller Extention: CELL  
DEC Region: 2  
DER Facility ID: 272958

Actual:  
11 ft.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**VACANT LOT (Continued)**

**S106868700**

**DEC Memo:** Sangesland spoke with Roux Assoc. Tank excavation with some spillage around tanks. (Tanks had been previously abandoned in place). Now tanks are being pulled. Sangesland asked for several end point soil samples taken from tank grave after removal. Test for VOC & SVOC.3/16/2005 Sangesland reviewed a report from Roux Assoc. dated 3/9/05 On 2/18/05 Roux collected 6 post-ex samples. One per each side & 2 bottom VOC's - All samples contained low levels of VOC's, but they were ALL BELOW RSCO Stds. SVOC's - Some minor "Hits" on PAHs consistant with historical fill levels. Results show some contaminants exceed regulatory standards. Samples taken on removed (waste) soils showed much higher VOC & SVOC levels. Roux conclusion says that the contamination "source" has been removed and the site should be closed out. Based on the soil sampling work performed on the site and the report prepared by Roux Assoc., the NYSDEC agrees with the conclusion and the spill case is closed with: "No Further Action - Does Not Meet Standards"

**Remarks:** REMOVING TANK, JUST AN ODOR IN THE SOIL: NOT SURE HOW TO MOVE FORWARD WITH PROJECT:

**Material:**

Site ID: 337632  
 Operable Unit ID: 1099574  
 Operable Unit: 01  
 Material ID: 579908  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**R109**  
**SSW**  
**1/8-1/4**  
**0.153 mi.**  
**807 ft.**

**WEST 24TH ST**  
**BTW 10TH & 11TH AVENUE**  
**MANHATTAN, NY**

**NY Spills S103569406**  
**N/A**

**Site 2 of 9 in cluster R**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 9602386  
 DER Facility ID: 153458  
 Facility Type: ER  
 Site ID: 183179  
 DEC Region: 2  
 Spill Date: 5/20/1996  
 Spill Number/Closed Date: 9602386 / 5/20/1996  
 Spill Cause: Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:** 3101  
 Investigator: SMMARTIN  
 Referred To: Not reported

**Actual:**  
**10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 24TH ST (Continued)**

**S103569406**

Reported to Dept: 5/20/1996  
CID: 205  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Federal Government  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/20/1996  
Spill Record Last Update: 5/29/1996  
Spiller Name: Not reported  
Spiller Company: TAXI COMPANY(UNK NAME)  
Spiller Address: WEST 24TH STREET  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"  
Remarks: taxi's parked at location leaking fluids into street & storm drain.

Material:

Site ID: 183179  
Operable Unit ID: 1033895  
Operable Unit: 01  
Material ID: 352206  
Material Code: 0021  
Material Name: Transmission Fluid  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 183179  
Operable Unit ID: 1033895  
Operable Unit: 01  
Material ID: 352207  
Material Code: 0022  
Material Name: Waste Oil/Used Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
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<b>Q110</b> <b>SW</b> <b>1/8-1/4</b> <b>0.156 mi.</b> <b>825 ft.</b>	<b>COMMERICAL PROPERTY/ GAR</b> <b>552 WEST 24TH STREET</b> <b>NEW YORK, NY</b>  <b>Site 2 of 10 in cluster Q</b>	<b>NY Spills</b>	<b>S108130521</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>	<p><b>SPILLS:</b></p> <p>Facility ID: 0606327          DER Facility ID: 319524          Facility Type: ER          Site ID: 369664          DEC Region: 2          Spill Date: 8/31/2006          Spill Number/Closed Date: 0606327 / 12/22/2011          Spill Cause: Unknown          Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.</p>		
<b>Actual:</b> <b>9 ft.</b>	<p><b>SWIS:</b></p> <p>Investigator: VXBREVDO          Referred To: REMEDIAL WORK COMPLETED          Reported to Dept: 9/1/2006          CID: 410          Water Affected: Not reported          Spill Source: Unknown          Spill Notifier: Local Agency          Cleanup Ceased: Not reported          Cleanup Meets Std: False          Last Inspection: Not reported          Recommended Penalty: False          UST Trust: False          Remediation Phase: 0          Date Entered In Computer: 9/1/2006          Spill Record Last Update: 12/22/2011          Spiller Name: AMIT GARG          Spiller Company: COMMERICAL PROPERTY/ GAR          Spiller Address: 552 WEST 24TH STREET          Spiller City,St,Zip: NEW YORK, NY          Spiller Company: 001          Contact Name: AMIT GARG          Contact Phone: (201) 791-0075          DEC Memo: Sangesland left a voice mail message with Amit Garg of Yu &amp; Associates. Requested additional information on the level of contamination and a copy of the analytical report from the Phase 2 soil boring/groundwater investigation. 09/11/06-Vought-Spill transferred from Vought to DEC Tang as per Tang due to groundwater contamination. 9/12/06-Kann-Consultant does not have analytical results yet, they are expected in one week. Free product was in one well in the suspected tank area. 9/27/06 - Kann - Letter went out to RP requesting investigative results. 10/6/06 - Kann - Spoke with A. Leung of Yu&amp;Associates. The report will be submitted on Tuesday 10/10. No free product was found in the well. The consultant will be recommending additional investigative work. 11/28/06 - Kann - Phase II was submitted in October 2006 and recommendations for investigation were provided. The Department sent a letter on October 20, 2006 approving the proposed summarized plan for additional work, and required a Work Plan be submitted. The work plan was submitted on November 15 and was approved by the Department on 11/28.3/22/07: J Kann - RAWP includes tank removal, soil excavation and ORC. The RAWP was approved provided the tank excavation remain open for at least a</p>		

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COMMERICAL PROPERTY/ GAR (Continued)**

**S108130521**

month, confirmatory sampling be performed, submitted to the Department and approved prior to backfilling.6/26/07: J.Kann - granted a 90 day extension as requested by RP due to contractor delays. Report therefore due by September 26, 2007. 9/6/07: J.Kann - spoke with consultant (A. Leung of Yu Associates 201-791-0075). A Leung had a question about using shoring. INformed A. Leung that it is the consultants responsibility to ensure the structural stability of adjacent structures and that if gross contamination exists, shoring may need to be considered to remove contaminated soils.03/06/08: J.Kann - met with A.Leung of Yu Associates. A. Leung will prepare letter outlining constraints regarding the excavation of the UST at the site. They will recommend decommissioning the UST in place to eliminate the risk of compromising the adjacent building.04/22/08 - J.Kann - site visit. Excavation work was on-going around the potential location of the oil water seperator. Contaminated soils were encountered and odors were present. The soils were stockpiled and tarped. Clean fill will be brought to the site to fill the excavation. A request for modification of the RAWP was submitted on March 25. Verbal approval of the approach was provided. A letter will be prepared indicating that since complete source removal was not performed, an SSDS should be installed for the new building.05/02/08- J.Kann - Approval of Modification to RAWP sent via email (can be found in edocs). 05/22/08 - J.Kann - reviewed letter indicating that the foundation was modified to not include a basement, that foundation work will commence in mid-June and will not effect remedial activities and that an SSDS will be installed for the site (letter in edocs). Sent email to YU Associates confirming review of letter.06/06/08 - J.Kann - spoke with Anish of Yu Associates. Endpoints from an excavation in the southeastern portion of the building revealed some elevated SVOCs (PAHs). No VOCs were detected. Anish indicated that the highest level was 7.8 ppm of benzo(b)flouranthene. The site will be capped as a part of constuction. 09/22/08 - J.Kann - reviewed Yu Assosociates letter of August 12. Discussed their findings and determined the following: an SSDS must be installed at the site. According to Yu, excavation on-site has been completed to the max amount allowable due to structural constraints. Shallow excavation will be completed as a part of construction. Additional endpoints of soil samples will not be needed for this phase of excavation (they will just need to perform necessary sampling for waste characterization and disposal). The building will be constructed with a vapor barrier and SSDS. REgen ox has been applied and some sampling performed (see edocs). A well will be installed in the sidewalk along 24th street immediately north of the tank location.1/28/10: J.Kann - spoke to consultant A. Leung on 12/8/09. A. Leung indicated that no work had been done on the site recently to his knowledge. Will need to contact the owner to notify them that additional follow up work is needed. The owners information (provided by consultant) is Rev. Danny Mun Sang Suk Rev.New Millennium United Methodist Church202-20 45th Avenue=0ABayside, New York 11361United States of America(718) 631-9191 ( Work )(718) 224-3525 ( Home )(917) 415-6760 ( Cell )02/02/2010 Project transferred from Section C to Section B for managment. Nees project manager to be assigned. V. Brevdo12/21/2011 - Brevdo - Langan submitted Groundwater Investigation Report which is post-remedial groundwater monitoring to ensure there is not substantial off-site contaminant migration.Report recommends spill closure. Summary of information supporting spill closure is in Section 5 of the report

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**COMMERICAL PROPERTY/ GAR (Continued)**

**S108130521**

and is as follows:5.0 CONCLUSIONS AND RECOMMENDATIONSBased on investigation observations, analytical data and previous investigation reports, weconclude and recommend the following:1. VOC concentrations in groundwater have decreased and do not indicate significant offsitegroundwater impact.2. Over the intervening years since the last groundwater sampling event, theconcentrations of VOCs in the groundwater have decreased due to previousremediation efforts to remove the spill source area and natural attenuation. The presentresidual benzene and isopropylbenzene concentrations will continue to degrade bynatural attenuation.3. Consistent with the requirements listed in the September 26, 2008 NYSDEC email, avapor barrier and sub-slab depressurization (SSD) system (assuming the future buildingslab is above the groundwater table) will be installed for a building constructed at theSite. Soil that may be excavated as part of future development will be characterized,handled and disposed in accordance with a soil management specification thataddresses local and state requirements.Groundwater contamination has significantly attenuated and will continue to degrade by naturalattenuation. We recommend that Spill No. 0606327 be closed and request that NYSDEC issuea letter indicating that no further action is required.Upon review of the report, I agree with Langan's recommendations to close spill case. V. Brevdo

Remarks: CALLER REPORTS BEING HIRED BY OWNER OF PROPERTY TO PERFORM PHASE II INVESTIGATION, SEVERAL BORINGS AT SITE WERE PERFORMED, PETROLEUM CONTAMINATION WAS OBSERVED IN SOIL AND GROUNDWATER DURING SOME OF THE BORINGS: THE ANALYTICAL RESULTS ARE AWAITED:

Material:  
 Site ID: 369664  
 Operable Unit ID: 1127498  
 Operable Unit: 01  
 Material ID: 2117095  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

R111  
 South  
 1/8-1/4  
 0.159 mi.  
 838 ft.

**GETTY GAS #341**  
**239 10TH AVE**  
**MANHATTAN, NY**  
 Site 3 of 9 in cluster R

**NY Spills S104503705**  
**N/A**

Relative:  
 Lower

SPILLS:  
 Facility ID: 9707190  
 DER Facility ID: 306937  
 Facility Type: ER  
 Site ID: 241278  
 DEC Region: 2  
 Spill Date: 9/17/1997

Actual:  
 12 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY GAS #341 (Continued)**

**S104503705**

Spill Number/Closed Date: 9707190 / Not Closed  
Spill Cause: Equipment Failure  
Spill Class: Known release that creates potential for fire or hazard. (Highly Improbable)  
SWIS: 3101  
Investigator: KGHale  
Referred To: RAP DUE 2/2008  
Reported to Dept: 9/17/1997  
CID: 323  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Other  
Cleanup Ceased: 8/10/2006  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: True  
Remediation Phase: 1  
Date Entered In Computer: 9/17/1997  
Spill Record Last Update: 2/10/2012  
Spiller Name: KEVIN SHEA  
Spiller Company: GETTY PROPERTIES  
Spiller Address: 125 JERICHO TURNPIKE  
Spiller City,St,Zip: JERICHO, NY 11753  
Spiller Company: 001  
Contact Name: LOUIS OCHOTORENA  
Contact Phone: (718) 729-6500  
DEC Memo: 3/14/03: REASSIGNED FROM ROMMEL TO VOUGHT.11/20/2003-Vought-See closed spill #'s 9830017 and 0211201 at same location.11/24/2004: Sent letter to Getty requesting an investigatory work plan and environmental site history. (Harrington)1/13/2005: Approved SI work plan (installation of four (4) monitoring wells).  
Harrington3/24/2005: Project transferred to Vought - Region 2. (Harrington)08/31/2005 - Feng - Project transferred from Vought to Feng.10/18/2005 - Feng - Spill#: 98-10383 has been consolidated into this spill#.10/25/2005 - Feng - Subsurface Investigation Report, dated 5/2/2005. on 4/12-13/2005, Tyree installed 3 off-site monitoring wells in sidewalk adjacent to 10th Ave and 1 in sidewalk adjacent to West 24th St as per the Work Plan approved by Harrington on 1/23/2005. Highly contaminated soil found in B-5(4'-8'), B-6(6'-8'), and B-7(6'-8'). however, groundwater was just slight high contaminated in B-6. 10/25/2005 - Feng - Quarterly Monitoring Report, 5/2005 - 7/2005. 7 monitoring wells onsite. groundwater flows to south at depth of 7.04' to 8.54' below grade. W-1, decreasing, 146ppb BTEX and 37ppb MTBE. W-2, decreasing, 274ppb BTEX and 104ppb MTBE. W-3, decreasing and fluctuating, 1,649ppb BTEX and 461ppb MTBE. W-4, 1,753ppb BTEX and no MTBE. W-5, 9,975ppb BTEX and <46.0ppb MTBE. W-6, 4,718ppb BTEX and 58ppb MTBE. W-7, 18,230ppb BTEX and 16,700ppb MTBE.11/2/2005 - Feng - Quarterly Monitoring Report, 8/2005 - 10/2005. 7 monitoring wells onsite. groundwater flows to south at depth of 7.21' to 8.71' below grade. W-1, decreasing, 12ppb BTEX and 13ppb MTBE. W-2, decreasing, 7ppb BTEX and 45ppb MTBE. W-3, decreasing and fluctuating, 2,518ppb BTEX and 262ppb MTBE. W-4, decreasing, 1,418ppb BTEX and no MTBE. W-5,increasing, 11,608ppb BTEX and 74ppb MTBE. W-6, 4,336ppb BTEX and MTBE MDL. W-7, sharply decreased, 2,461ppb BTEX and 211ppb MTBE.11/18/2005 - Feng - STIP sent to Getty Properties with request of 1) wells installation of one

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY GAS #341 (Continued)**

**S104503705**

(1) downgradient of W-2 and W-7, one (1) east to W-5 and one (1) southeast to W-6. 2) surrounding properties sketch. CC to Tyree and Delta. STIP due 12/19/2005.2/17/2006 - Feng - on 2/9/2006 Received signed STIP with modified CAP. (RJF)2/27/2006 - Feng - Quarterly Monitoring Report, 11/2005 - 1/2006. The site is an active Lukoil gasoline station/convenience store. Groundwater flows to south at the depth of 7.06' to 8.87' below grade. 7 monitoring wells onsite. W-1, 254 ppb BTEX, 34 ppb MTBE. W-2, increased and 343 ppb BTEX, increased and 231 ppb MTBE. W-3, decreased and 1,644 ppb BTEX, decreased and 62 ppb MTBE. W-4, decreased and 1,140 ppb BTEX, MTBE ND. W-5, sharply decreased and 5,170 ppb BTEX, MTBE ND. W-6, decreased and 3,328 ppb BTEX, MTBE ND. W-7, decreased and 2,012 ppb BTEX, decreased and 127 ppb MTBE. (RJF)4/6/2006 - Feng - Stip cancelled due to dropping in concentration. Wait for next quarter monitoring report. (RJF)5/16/2006 - Feng - WorkPlan submitted by Tyree, dated 5/12/2006. Tyree proposed to install 3 offsite monitoring wells. One locate at sidewalk across West 24th Street (P-8), one at sidewalk across southeast corner (P-9), and one at the sidewalk across 10th Ave (P-10). The wells will be constructed of 2" schedule 40 flush joint PVC having 15' of 0.02" slotted screen and 5' of riser. Each wells will be installed 10' into groundwater. The WorkPlan is approved and approval email sent to Joe Rennie. (RJF)6/20/2006 - Feng - Subsurface Investigation Report, dated 6/5/2006. Tyree installed 3 offsite monitoring wells, 20 feet 2-inch PVC. Groundwater encountered at approximately 8 feet below grade. Soil and Groundwater samples were collected (Chain of Custody indicated that), but only soil samples analyticals were presented. PID reading = 0 for depth from 0-20'. Slight VOCs and SVOCs detected in soil but below TAGM 4046. Emailed Joe Rennie for groundwater data. (RJF)6/28/2006 - Feng - Quarterly Monitoring Report, 2/2006 - 4/2006. The site is active Lukoil gasoline station/convenience store. As of sampling and monitoring on 4/12/2006, groundwater flows to south at the depth of 7.92' to 9.41' bg. 7 monitoring wells onsite. W-1, 75 ppb BTEX, 28 ppb MTBE. W-2, 30 ppb BTEX, 291 ppb MTBE. W-3, increased and 8,520 ppb BTEX (1,280 ppb B, 4,280 ppb T, 770 ppb E, 2,190 ppb X), 57 ppb MTBE. W-4, 2,438 ppb BTEX (25 ppb B, 33 ppb T, 1,000 ppb E, 1,380 ppb X), MTBE ND. W-5, 7,969 ppb BTEX (2,320 ppb B, 119 ppb T, 2,190 ppb E, 3,340 ppb X), 102 ppb MTBE. W-6, 2,423 ppb BTEX (322 ppb B, 31 ppb T, 1,010 ppb E, 1,060 ppb X), 19 ppb MTBE. W-7, increased and 22,780 ppb BTEX (6,310 ppb B, 8,870 ppb T, 1,520 ppb E, 6,080 ppb X), increased and 8,350 ppb MTBE. Stipulation Agreement sent to Getty Properties and cc to Tyree and Delta. STIP due 7/24/2006.(RJF)8/16/2006 - Feng - Stipulation Agreement executed on 8/10/2006. (RJF)8/17/2006 - Feng - Quarterly Monitoring Report, 4/2006 - 7/2006, by Tyree. The site is active Lukoil gasoline station/convenience store. Groundwater flows to south at the depth of 7.38' to 8.87' bg. As of sampling on 7/24/2006, 9 monitoring wells. W-1, 57 ppb BTEX, 8 ppb MTBE. W-2, 13 ppb BTEX, 35 ppb MTBE. W-3, 6,862 ppb BTEX (635 ppb B, 3,260 ppb T, 346 ppb E, 2,621 ppb X), 114 ppb MTBE. W-4, 2,047 ppb BTEX, ND MTBE. W-5, 10,968 ppb BTEX (1,440 ppb B, 128 ppb T, 1,940 ppb E, 7,460 ppb X), ND MTBE. W-6, 2,982 ppb BTEX, 23 ppb MTBE. W-7, 24,900 ppb BTEX (6,320 ppb B, 5,590 ppb T, 1,430 ppb E, 11,560 ppb X), 4,700 ppb MTBE. W-8, both ND. W-9, destroyed during sidewalk repair. W-10, both ND. Emailed Rob Szczepanski (Tyree) to approve the delineation of contamination, RAP due 11/17/2006 as per the Stipulation Agreement. (RJF) 10/26/2006 - Feng - The adjacent property will be developed, 245 10th Ave and 502 West 24th Street, E-142-Designation Site of

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY GAS #341 (Continued)**

**S104503705**

NYCDEP. Called Amy Ma of NYCDEP to inform her about the existing spill in the Getty Station locate 239 10th Ave. (RJF)11/15/2006 - Feng - Quarterly Monitoring Report, 8/2006 - 10/2006, 10/19/2006, by Tyree. Active Lukoil gasoline station/convenience store. Groundwater sampled and gauged 10/16/2006. 9 monitoring wells. DTW 8.31' to 9.83' bg. Flow direction south. No LNAPL. BTEX range ND to 30,410 ppb (MW-7). MTBE range ND to 3,330 ppb (MW-7). (RJF)1/18/2007 - Feng - Getty Properties portfolio meeting with Tyree and Delta. DEC staff has informed Tyree and Delta about the site development at the adjacent property, and the dewatering process may affect the contamination plume. Tyree will contact DEP before the preparation of RAP. (RJF)1/23/2007 - Feng - Email Rob S. (Tyree) the contact person info in DEP and the adjacent project info. (RJF)6/6/2007 - Feng - Quarterly Monitoring Report, 11/2006 - 1/2007, 2/2007. Groundwater monitored 1/30/2007. 9 monitoring wells. Active gasoline station. DTW 7.94' to 9.47' bg. Flows southerly. LNAPL in W-7 (0.26'). W-1, 185 ppb BTEX, 163 ppb MTBE. W-2, 9 ppb BTEX, 24 ppb MTBE. W-3, 18,410 ppb BTEX, 102 ppb MTBE. W-4, not accessible. W-5, 10,606 ppb BTEX, 33 ppb MTBE. W-6m 1,953 ppb BTEX, 36 ppb MTBE. W-7, 0.26' of LNAPL. W-8, ND. W-9, destroyed. W-10, 3 ppb BTEX, MTBE ND. (RJF)7/9/2007 - Feng - Quarterly Monitoring Report, 2/2007 - 4/2007, 5/2007. Groundwater sampled 4/30/2007. 9 monitoring wells. DTW 9.06' to 16.76' bg. Flows to south. No LNAPL. W-1, 1,255 ppb BTEX, 129 ppb MTBE. W-2, 1,572 ppb BTEX, 362 ppb MTBE. W-3, Dry. W-4, NA. W-5, dry. W-6, NA. W-7, NA. W-8, ND. W-10, ND. (RJF)11/7/2007 - Feng - Quarterly Monitoring Report, 5/2007 - 7/2007, 8/2007. Groundwater sampled 7/30/2007. 9 monitoring wells were sampled. DTW 8.11' to 9.27' bg. Flows to south. No LNAPL. BTEX range ND to 5,980 ppb. MTBE range ND to 393 ppb. (RJF)11/8/2007 - Feng - Portfolio meeting with Delta and Tyree. Tyree will sample for one more quarter to evaluate the site condition after the dewatering process at the adjacent site. Need to sample MW-4. RAP to be submitted by 2/2008. (RJF)1/28/2008 - Feng - Quarterly Monitoring Report, 8/2007 - 10/2007, 11/2007. Active Lukoil gasoline station/convenience store. Groundwater gauged and sampled 10/23/2007. 9 monitoring wells. DTW 10.05' to 16.37' bg. Flows to south. No LNAPL. BTEX range ND to 5,131 ppb (W-6). MTBE range ND to 252 ppb (W-3). (RJF)3/19/2008 - Feng - eDoc Quarterly Monitoring Report 1Q2008. (RJF)3/20/2008 - Feng - Email to Tyree and Delta for RAP status. (RJF)3/24/2008 - Feng - Quarterly Monitoring Report, 11/2007 - 1/2008, 2/2008. Active Lukoil gasoline station/convenience store. Groundwater was gauged and sampled 1/14/2008. 9 monitoring wells. No DTW available due to water probe broke onsite. Flows to south. No LNAPL. BTEX range ND to 4,203 ppb (W-1). MTBE range ND to 412 ppb (W-2). (RJF)7/11/2008 - 2Q2008, 2/2008 - 4/2008, 5/2008. Active Lukoil gasoline station/convenience store. Groundwater was gauged and sampled 4/25/2008. 9 monitoring wells. DTW 9.65' to 11.58' bg. Flows to south. No LNAPL. BTEX range ND to 10,765 ppb (W-3). MTBE range ND to 191 ppb (W-3). email Tyree for RAP status. (RJF)9/4/2008 - Getty Properties portfolio meeting with Delta and Tyree. The dewatering that started 4/2007 was stoped 2/2008. MW-4 was not sampled because storage box was on top of that. Wait to see the rebound before the delineation. Possible monitoring wells will be installed between the service building and the tank. (RJF)1/6/2009 - Getty Properties portfolio meeting with Delta and Tyree. Review 2Q2009 quarterly for possbile delineation. (RJF)3/18/2009 - Quarterly Monitoring Report, 5/2008 - 7/2008, 8/2008, by Tyree. Active Lukoil gasoline station convenience store. Groundwater was gauged and sampled 7/22/2008. 9

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY GAS #341 (Continued)**

**S104503705**

monitoring wells. NO LNAPL. DTW 9.21' to 10.67' bg. Flows to south. BTEX range ND to 7,530 ppb (W-3). MTBE range ND to 165 ppb (W-3). (RJF)5/6/2009 - Quarterly Monitoring Report, 8/2008 - 10/2008, 11/2008, by Tyree. Active Lukoil gasoline station convenience store. Groundwater was gauged and sampled 10/30/2008. 10 monitoring wells. NO LNAPL. DTW 8.11' to 9.66' bg. flows to south. BTEX range ND to 20,856 ppb (W-7). MTBE range ND to 192 ppb (W-7). (RJF)11/6/2009 - 2Q2009, 4/2009-6/2009, 9/2009, pdf, by Tyree. Active Lukoil gasoline station convenience store. 12 monitoring wells. Groundwater was gauged 4/24/2009, 5/29/2009, 6/19/2009 and 7/9/2009. NO LNAPL. DTW 8.11' to 9.66' bg. Flows to south. Groundwater was sampled 6/19/2009. BTEX range ND to 11,198 ppb (W-7). MTBE range ND to 274 ppb (W-2). (RJF)7/9/2010 - Reviewed Investigation Work Plan, dated 6/3/2010, by Tyree. Tyree proposes 2 wells W-11 and W-12 in west of W-7 and north of W-7. Work Plan is approved. Report due 10/2010. 2/8/2012 - Reviewed the Subsurface Investigation Work Plan, dated 5/17/2011, by Tyree. Tyree proposes to install 2 monitoring wells at the sidewalk along West 24th Street. Tyree mentioned that refusals were hit during the previous attempt to install wells as per the 7/2010 approved work plan. 2/10/2012 - Letter sent to Getty approving the work plan. Report due 4/2012. DEC provides comments, 1) sample groundwater and soil for CP-51 list VOCs; 2) conduct site history review to identify the reason why W-5, W-6 and W-7 with elevated BTEX concentration. Notified Getty that the case has been transferred to Central Office. All the future correspondences shall be directed to the new project manager, Kevin Hale. (J. Feng)

Remarks:

A LEAK IN THE REMOTE FILL. SOIL WAS REMOVED AND LEAK WAS REPAIRED.ORIGINAL SPILL ASSIGNED TO O'DOWD.

Material:

Site ID: 241278  
Operable Unit ID: 1050541  
Operable Unit: 01  
Material ID: 332768  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0304434  
DER Facility ID: 306937  
Facility Type: ER  
Site ID: 241277  
DEC Region: 2  
Spill Date: 7/28/2003  
Spill Number/Closed Date: 0304434 / 8/1/2003  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY GAS #341 (Continued)**

**S104503705**

SWIS: 3101  
Investigator: JBVOUGHT  
Referred To: Not reported  
Reported to Dept: 7/28/2003  
CID: 281  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/28/2003  
Spill Record Last Update: 8/1/2003  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller Company: 001  
Contact Name: DAVID MOORE  
Contact Phone: (718) 729-6500  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"7/31/2003-Vought-Called David Moore and no answer. Called Scott Hanley and left message to have Moore or himself return call to NYSDEC regarding spill cleanup.8/1/2003-Vought-Received call from Phillip DeBlasi (Tyree-631-249-3150). Spill on asphalt and was recovered using speedy dry. Manholes and drains inspected for impact and none was found. Spill closed by Vought.

Remarks: Above material spilled during fueling at above location by unknown customer.

Material:  
Site ID: 241277  
Operable Unit ID: 872692  
Operable Unit: 01  
Material ID: 505295  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: 5  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

R112  
South  
1/8-1/4  
0.159 mi.  
838 ft.

239 10TH AVENUE/GETTY  
239 10TH AVENUE  
NEW YORK CITY, NY  
Site 4 of 9 in cluster R

NY LTANKS

S100167969  
N/A

Relative:  
Lower

LTANKS:

Actual:  
12 ft.

Site ID: 86010  
Spill Number/Closed Date: 9005116 / 7/16/1992  
Spill Date: 8/8/1990  
Spill Cause: Tank Test Failure  
Spill Source: Gasoline Station  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 7/16/1992  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SULLIVAN  
Referred To: Not reported  
Reported to Dept: 8/8/1990  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 8/14/1990  
Spill Record Last Update: 7/28/1992  
Spiller Name: Not reported  
Spiller Company: GETTY  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 78946  
DEC Memo: Not reported  
Remarks: 4K TANK FAILED AN AIR PRESSURE TEST.

Material:

Site ID: 86010  
Operable Unit ID: 942717  
Operable Unit: 01  
Material ID: 436177  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**239 10TH AVENUE/GETTY (Continued)**

**S100167969**

Site ID: 86010  
Spill Tank Test: 1537408  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

Site ID: 86009  
Spill Number/Closed Date: 8806160 / 7/29/1994  
Spill Date: 10/20/1988  
Spill Cause: Tank Test Failure  
Spill Source: Gasoline Station  
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 7/29/1994  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SULLIVAN  
Referred To: Not reported  
Reported to Dept: 10/21/1988  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 12/5/1988  
Spill Record Last Update: 8/1/1994  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 78946  
DEC Memo: Not reported  
Remarks: (2) 4K TANKS FAILED.

Material:  
Site ID: 86009  
Operable Unit ID: 922990  
Operable Unit: 01  
Material ID: 454515  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**239 10TH AVENUE/GETTY (Continued)**

**S100167969**

Units: Not reported  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

**Tank Test:**

Site ID: 86009  
 Spill Tank Test: 1534795  
 Tank Number: Not reported  
 Tank Size: 0  
 Test Method: 00  
 Leak Rate: 0  
 Gross Fail: Not reported  
 Modified By: Spills  
 Last Modified: 10/1/2004  
 Test Method: Unknown

**R113  
 South  
 1/8-1/4  
 0.159 mi.  
 838 ft.**

**GETTY GAS STATION  
 239 10 AV  
 NYC, NY  
 Site 5 of 9 in cluster R**

**NY LTANKS S106703285  
 NY Spills N/A**

**Relative:  
 Lower**

**LTANKS:**

Site ID: 315130  
 Spill Number/Closed Date: 8806159 / 7/29/1994  
 Spill Date: 10/20/1988  
 Spill Cause: Tank Test Failure  
 Spill Source: Gasoline Station  
 Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: 7/29/1994  
 Cleanup Meets Standard: True  
 SWIS: 3101  
 Investigator: SULLIVAN  
 Referred To: Not reported  
 Reported to Dept: 10/21/1988  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Tank Tester  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: True  
 Remediation Phase: 0  
 Date Entered In Computer: 11/2/1988  
 Spill Record Last Update: 3/14/2005  
 Spiller Name: TOM DIXON(CONTACT)  
 Spiller Company: SAME  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ  
 Spiller County: 001  
 Spiller Contact: Not reported  
 Spiller Phone: Not reported  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 254062

**Actual:  
 12 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY GAS STATION (Continued)**

**S106703285**

DEC Memo: Not reported  
Remarks: 2 4K TKS BOTH L R'S UNREADABLE. GETTY WILL EXCAV & INVES.

**Material:**

Site ID: 315130  
Operable Unit ID: 921327  
Operable Unit: 01  
Material ID: 454514  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

**Tank Test:**

Site ID: 315130  
Spill Tank Test: 1534794  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

**SPILLS:**

Facility ID: 0509792  
DER Facility ID: 305662  
Facility Type: ER  
Site ID: 355627  
DEC Region: 2  
Spill Date: 11/15/2005  
Spill Number/Closed Date: 0509792 / 11/16/2005  
Spill Cause: Human Error  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 11/15/2005  
CID: 406  
Water Affected: Not reported  
Spill Source: Passenger Vehicle  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GETTY GAS STATION (Continued)**

**S106703285**

Remediation Phase: 0  
Date Entered In Computer: 11/15/2005  
Spill Record Last Update: 11/16/2005  
Spiller Name: UNKNOWN NAME  
Spiller Company: UNKNOWN CUSTOMER  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: MIKE CARR  
Contact Phone: (518) 786-3200 223  
DEC Memo: 11.16.05 Sharif-Left a messege for Mike Carr, (518)786-3200x223 to

Remarks: 1/2 gallon of material released due to customer overfill . Used speedy dry for clean up. Clean up is complete.

Material:  
Site ID: 355627  
Operable Unit ID: 1112975  
Operable Unit: 01  
Material ID: 2103021  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**S114**  
**South**  
**1/8-1/4**  
**0.160 mi.**  
**843 ft.**

**246 10TH AVENUE**  
**246 10TH AVENUE**  
**MANHATTAN, NY**  
**Site 1 of 4 in cluster S**

**NY Spills** **S102148924**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**  
Facility ID: 9410103  
DER Facility ID: 201855  
Facility Type: ER  
Site ID: 245813  
DEC Region: 2  
Spill Date: 10/28/1994  
Spill Number/Closed Date: 9410103 / 10/28/1994  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**13 ft.**

**SWIS:** 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 10/28/1994  
CID: Not reported  
Water Affected: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**246 10TH AVENUE (Continued)**

**S102148924**

Spill Source: Unknown  
 Spill Notifier: Other  
 Cleanup Ceased: 10/28/1994  
 Cleanup Meets Std: True  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 12/5/1994  
 Spill Record Last Update: 9/5/2008  
 Spiller Name: Not reported  
 Spiller Company: JAMES OCONNELL-RESIDENT  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ  
 Spiller Company: 001  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"  
 Remarks: NOZZLE LIGHT OPEN ON TRUCK-CONTAINER ON ROAD PAVEMENT-CREW EN ROUTE.

Material:  
 Site ID: 245813  
 Operable Unit ID: 1004038  
 Operable Unit: 01  
 Material ID: 375973  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 2  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**Q115**  
**SW**  
**1/8-1/4**  
**0.162 mi.**  
**853 ft.**

**DYNAMIC DELIVERY CORP**  
**202 -208 11TH AVE**  
**MANHATTAN, NY**  
**Site 3 of 10 in cluster Q**

**NY Spills S103829709**  
**N/A**

**Relative:**  
**Lower**

SPILLS:  
 Facility ID: 9900064  
 DER Facility ID: 225610  
 Facility Type: ER  
 Site ID: 277565  
 DEC Region: 2  
 Spill Date: 4/2/1999  
 Spill Number/Closed Date: 9900064 / 6/16/2006  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: KSTANG

**Actual:**  
**8 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DYNAMIC DELIVERY CORP (Continued)**

**S103829709**

Referred To: Not reported  
Reported to Dept: 4/2/1999  
CID: 382  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/2/1999  
Spill Record Last Update: 6/16/2006  
Spiller Name: THOMAS GAMBINO  
Spiller Company: DYNAMIC DELIVER CORP  
Spiller Address: 125 PENNSYLVANIA AVE  
Spiller City,St,Zip: SOUTH KEARNY, NJ 07032-001  
Spiller Company: 001  
Contact Name: THOMAS GAMBINO  
Contact Phone: (973) 344-6300  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"1/13/2000Rep from Whitman Companies called requesting a "partial no further action required" letter from the DEC.In the loading dock area (site of former gas tanks) they removed 500 tons of soil, Installed ORC powder in open pit area, installed a pipe system for future potential SVE system, and are now ready to put back clean fill and install a new concrete floor In the rear area (heating oil tank area) - soil was removed, endpoints taken (Whitman says a few soil samples just over limits and well sample found to be clean)Sangesland requested a letter which says:1)no further action on rear heating oil tank area and 2)no more soil to be removed from the loading dock gasoline contamination area.1/19/2000 Site apparently was NOT clean... Whitman now requests well testing every 6 months and report submittals once per year.Sangesland sent a letter to Whitman. It says no more digging required, but DEC requires: Testing of wells #2, 3, 4, & 5 every 6 months with a submittal to this office due April and Oct of each year. Next round of sampleing will include both BTEX and MTBE. If MTBE is very low or ND, then only BTEX will be required.This frequency of sampling will be required until a close out of the site is approved. In order for a final close out to be approved, a site close out report will be prepared including a full round of GW testing for all STARS and MTBE.2/22/2000 DEC received a monitoring report. MW #3 shows product in the well.9/13/2004 Sangesland spoke with Todd Gerber of Whitman companies. Per the Whitman site report dated August 1, 2003 There are 3 wells with exceedences (history of free product in 2002). Sangesland sent a letter requesting one more round of sampling of 3 wells. If the wells have no free product and the desolved phase material is low, the DEC will consider a closeout of this case.3/21/2006 Sangesland received another closure request from Whitman Companies. GW contamination level in one of the wells is still 2,233 ppb for BTEX. Other wells are also above TAGM.This is a persistant long term problem that needs to be addressed by the DEC Remediation Group.Spill Case has been transferred from Sangesland to Koon Tang for reassignment.5/16/06 - Spoke to Mr. Todd Gerber, asked him to submit a sensitive receptors survey before closure can be considered. There is still residual BTEX

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**DYNAMIC DELIVERY CORP (Continued)**

**S103829709**

Remarks: in GW at about 2 ppm range. - KST6/16/06 - received Sensitive Receptor Survey. No sensitive receptor will be likely impacted by the residual dissolved phase VOCs. SOurce removal was implemented and most contaminated soil has been excavated. Over 2 to 3 years of GW samples were collected on a quarterly and semiannual basis. GW conatmination has been decreasing over the 8 rounds of sampling events. Spill closed - KST  
 CALLER STATES THAT SOIL CONTAMINATION WAS FOUND DURING TESTING IN REFERENCE TO A SHARE TRANSACTION. ENVIRONMENTAL COMPANY IS REMEDIATING THE PROBLEM.

Material:  
 Site ID: 277565  
 Operable Unit ID: 1074984  
 Operable Unit: 01  
 Material ID: 307204  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**Q116**  
**SW**  
**1/8-1/4**  
**0.162 mi.**  
**855 ft.**

**560 WEST 24TH ST**  
**560 WEST 24TH ST**  
**NY, NY**  
**Site 4 of 10 in cluster Q**

**NY Spills S102240035**  
**N/A**

**Relative:**  
**Lower**

SPILLS:  
 Facility ID: 9602495  
 DER Facility ID: 111775  
 Facility Type: ER  
 Site ID: 129670  
 DEC Region: 2  
 Spill Date: 5/21/1996  
 Spill Number/Closed Date: 9602495 / 5/22/1996  
 Spill Cause: Vandalism  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**8 ft.**

SWIS: 3101  
 Investigator: SMMARTIN  
 Referred To: Not reported  
 Reported to Dept: 5/21/1996  
 CID: 201  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Federal Government  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**560 WEST 24TH ST (Continued)**

**S102240035**

UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/21/1996  
Spill Record Last Update: 6/27/1996  
Spiller Name: UNKNOWN  
Spiller Company: UNKNOWN  
Spiller Address: UNKNOWN  
Spiller City,St,Zip: UNKNOWN, NY  
Spiller Company: 999  
Contact Name: CALLER  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT" CALLED IN REPORT OT DEP COMMUNICATIONS NOTIFIER ADVISED CALLER THAT AN UNKNOWN PERSON WAS DUMPING ETHYLENE GLYCOL INTO STORM SEWER  
Remarks:

Material:  
Site ID: 129670  
Operable Unit ID: 1030039  
Operable Unit: 01  
Material ID: 352311  
Material Code: 0028A  
Material Name: ETHYLENE GLYCOL  
Case No.: 00107211  
Material FA: Hazardous Material  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**P117**  
**West**  
**1/8-1/4**  
**0.166 mi.**  
**879 ft.**

**REPAIR SHOP**  
**640 WEST 26TH STREET**  
**MANHATTEN, NY**  
**Site 6 of 7 in cluster P**

**NY Spills S109060898**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**  
Facility ID: 0713532  
DER Facility ID: 344825  
Facility Type: ER  
Site ID: 395297  
DEC Region: 2  
Spill Date: 3/22/2008  
Spill Number/Closed Date: 0713532 / 10/14/2011  
Spill Cause: Other  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**6 ft.**

**SWIS:**  
Investigator: RMPIPER  
Referred To: Not reported  
Reported to Dept: 3/24/2008  
CID: 444  
Water Affected: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**REPAIR SHOP (Continued)**

**S109060898**

Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 3/24/2008  
 Spill Record Last Update: 10/14/2011  
 Spiller Name: RICHARD  
 Spiller Company: REPAIR SHOP  
 Spiller Address: 640 WEST 26TH STREET  
 Spiller City,St,Zip: MANHATTEN, NY  
 Spiller Company: 001  
 Contact Name: RICHARD  
 Contact Phone: (212) 807-6861  
 DEC Memo: DEC Piper - I spoke w/ John at AB Environmental. They have a tec h onsite sampling for siposal. He does not see a bathtub line that would indicate loss of oil. The vault contains pea gravel which will also be removed. 631-567-6545Site is DSNY MN BORO REPAIR SHOP. Work completed. Spill closed.

Remarks: CAP WAS LEFT OPEN , CONTRACTORS ENROUTE TO CLEAN UP'

Material:  
 Site ID: 395297  
 Operable Unit ID: 1152241  
 Operable Unit: 01  
 Material ID: 2143018  
 Material Code: 0022  
 Material Name: Waste Oil/Used Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 100  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**P118**  
**West**  
**1/8-1/4**  
**0.166 mi.**  
**879 ft.**

**NYC DEPT OF SANITATION**  
**640 WEST 26TH ST**  
**MANHATTAN, NY**  
**Site 7 of 7 in cluster P**

**NY LTANKS S109583684**  
**N/A**

**Relative:**  
**Lower**

LTANKS:  
 Site ID: 411708  
 Spill Number/Closed Date: 0813987 / 5/22/2009  
 Spill Date: 3/26/2009  
 Spill Cause: Tank Test Failure  
 Spill Source: Commercial/Industrial  
 Spill Class: Not reported  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101

**Actual:**  
**6 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYC DEPT OF SANITATION (Continued)**

**S109583684**

Investigator: hrpatel  
Referred To: Not reported  
Reported to Dept: 3/26/2009  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 3/26/2009  
Spill Record Last Update: 5/22/2009  
Spiller Name: JAY SHAW  
Spiller Company: NYC DEPT OF SANITATION  
Spiller Address: 640 WEST 26TH ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller County: 999  
Spiller Contact: MICHAEL SEPE  
Spiller Phone: (516) 818-8767  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 360906  
DEC Memo: 03/27/09-Hiralkumar Patel. spoke with Mike at F&N. he mentioned they have schedule isolation test on 03/30/09. Mike will call back with result of isolation test. as per NYC Dept. of sanitation, tank is been empty for more than a year.PBS #: 2-605738.Neil GallagherDirectorBureau Building Maintenance52-35 58th StreetRoom 410Woodside, NY 11377Ph. (718) 334-9100/9117 (646) 235-3182 (C)FAX (718) 334-933405/20/09-Hiralkumar Patel. spoke with Jason (631-586-4900 Ext. 180) at F&N regarding isolation test result. he will call back.received message from Jason.05/22/09-Hiralkumar Patel. spoke with Jason. Jason mentioned that during initial test, oil/water separator was connected to the tank system and test was inconclusive. they disocnected oil/water separator from tank system and then tested tank system and system passed. asked Jason to send copy of test result.received tank test result. test result forwarded to DEC Falvey for review. case closed.  
Remarks: TANK TEST FAILURE ON A 1000 GALLON UST. TANK IS EMPTY. UNK IF ANY PRODUCT SPILLED.

Material:  
Site ID: 411708  
Operable Unit ID: 1168187  
Operable Unit: 01  
Material ID: 2159797  
Material Code: 0015  
Material Name: Motor Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
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<b>S119</b> South 1/8-1/4 0.167 mi. 883 ft.	<b>RESI: LOUDON TERRECE</b> <b>470 WEST 24TH ST</b> <b>MANHATTAN, NY</b>  Site 2 of 4 in cluster S	NY Spills	<b>S105236751</b> N/A
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<b>Relative:</b> Lower	<b>Actual:</b> 12 ft.	SPILLS: Facility ID: 0109374 DER Facility ID: 126049 Facility Type: ER Site ID: 148076 DEC Region: 2 Spill Date: 12/22/2001 Spill Number/Closed Date: 0109374 / 12/26/2001 Spill Cause: Equipment Failure Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
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SWIS: Investigator: Referred To: Reported to Dept: CID: Water Affected: Spill Source: Spill Notifier: Cleanup Ceased: Cleanup Meets Std: Last Inspection: Recommended Penalty: UST Trust: Remediation Phase: Date Entered In Computer: Spill Record Last Update: Spiller Name: Spiller Company: Spiller Address: Spiller City,St,Zip: Spiller Company: Contact Name: Contact Phone: DEC Memo:  Remarks:	3101 JMKRIMGO Not reported 12/22/2001 398 Not reported Private Dwelling Other Not reported False Not reported False False 0 12/22/2001 12/26/2001 Not reported UNKNOWN Not reported NY 999 JIM CAREY (718) 579-3413 Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"  problem with gauge on tank. no call back requested. clean up crew on scene.
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Material: Site ID: Operable Unit ID: Operable Unit: Material ID: Material Code: Material Name: Case No.: Material FA: Quantity: Units: Recovered: Resource Affected: Oxygenate:	148076 847719 01 530578 0003A #6 Fuel Oil Not reported Petroleum 5 Gallons 5 Not reported False
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Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

RESI: LOUDON TERRECE (Continued)

S105236751

Tank Test:

S120  
South  
1/8-1/4  
0.167 mi.  
883 ft.

470 WEST 24TH ST/MANH  
470 WEST 24TH STREET  
NEW YORK CITY, NY

NY Spills S104495259  
N/A

Site 3 of 4 in cluster S

Relative:  
Lower

SPILLS:

Facility ID: 9008416  
DER Facility ID: 100183  
Facility Type: ER  
Site ID: 114914  
DEC Region: 2  
Spill Date: 11/1/1990  
Spill Number/Closed Date: 9008416 / 5/25/1995  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: WILSON  
Referred To: Not reported  
Reported to Dept: 11/1/1990  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Tank Truck  
Spill Notifier: Responsible Party  
Cleanup Ceased: 5/25/1995  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/7/1990  
Spill Record Last Update: 5/25/1995  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: OWNER INSTALLED NEW FILL LINE PUMP IN OLD FILL CASTLE OIL, SPEEDY DRY APPLIED & PICKED UP.

Material:

Site ID: 114914  
Operable Unit ID: 949060  
Operable Unit: 01  
Material ID: 559265  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 30  
Units: Gallons

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

470 WEST 24TH ST/MANH (Continued)

S104495259

Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

T121  
SE  
1/8-1/4  
0.168 mi.  
886 ft.

ELLIOTT HOUSES -NYCHA  
426 WEST 27TH ST  
NEW YORK CITY, NY  
Site 1 of 3 in cluster T

NY LTANKS S104495199  
NY Spills N/A

Relative:  
Higher

LTANKS:

Actual:  
17 ft.

Site ID: 246287  
Spill Number/Closed Date: 9002184 / 2/6/2006  
Spill Date: 5/25/1990  
Spill Cause: Tank Test Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SWKRASZE  
Referred To: Not reported  
Reported to Dept: 5/25/1990  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 5/31/1990  
Spill Record Last Update: 2/6/2006  
Spiller Name: Not reported  
Spiller Company: NYCHA  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 202268  
DEC Memo: 12/14/05: This spill transferred from J.Kolleeny to S.Kraszewski.02/06/06: This spill closed to consolidate with open spill #8908401. - SK

Remarks:

VISIBLE LEAKS AT GAUGES & (2) MANHOLE COVERS, MANIFOLD TANKS (2) 20K FAILED HORNER EZY CHECK WITH A GROSS LEAK, WILL REPAIR & RETEST.

Material:

Site ID: 246287  
Operable Unit ID: 940253  
Operable Unit: 01  
Material ID: 436943

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELLIOTT HOUSES -NYCHA (Continued)**

**S104495199**

Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

**Tank Test:**

Site ID: 246287  
Spill Tank Test: 1537127  
Tank Number: 001  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown  
Site ID: 246287  
Spill Tank Test: 1537128  
Tank Number: 002  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

Site ID: 309346  
Spill Number/Closed Date: 9602200 / 2/6/2006  
Spill Date: 5/15/1996  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SWKRASZE  
Referred To: Not reported  
Reported to Dept: 5/15/1996  
CID: 257  
Water Affected: Not reported  
Spill Notifier: Affected Persons  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 5/15/1996  
Spill Record Last Update: 2/6/2006  
Spiller Name: FRANK OCELLO  
Spiller Company: NYCHA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELLIOTT HOUSES -NYCHA (Continued)**

**S104495199**

Spiller Address: 250 BRAODWAY  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller County: 001  
Spiller Contact: SEBASTIN LOREFICE  
Spiller Phone: (212) 306-3229  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 202268  
DEC Memo: 12/14/05: This spill transferred from J.Kolleeny to  
S.Kraszewski.02/06/06: This spill closed to consolidate with open  
spill #8908401. - SK  
Remarks: going to isolate and retest

Material:

Site ID: 309346  
Operable Unit ID: 1033758  
Operable Unit: 01  
Material ID: 352001  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

SPILLS:

Facility ID: 8908401  
DER Facility ID: 202268  
Facility Type: ER  
Site ID: 252274  
DEC Region: 2  
Spill Date: 11/24/1989  
Spill Number/Closed Date: 8908401 / Not Closed  
Spill Cause: Equipment Failure  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: jkkann  
Referred To: APPRVD WP 1/19/10, QTRLY RPRT RCVD 1/16/13  
Reported to Dept: 11/24/1989  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELLIOTT HOUSES -NYCHA (Continued)**

**S104495199**

Date Entered In Computer: 11/29/1989  
Spill Record Last Update: 1/18/2013  
Spiller Name: MR CARTER  
Spiller Company: NYCHA  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: 12/14/05: This spill transferred from J.Kolleeny to S.Kraszewski.9/22/06: Spill transferred from Kraszewski to Kann.1/19/10: J.Kann - revised work plan received 11/17/09. WP approved 1/19/10.9/23/10: J.kann - Quarterly Report recieved 9/01/10.5/11/12: J.Kann - quarterly report recieved on 5/9/12.9/6/12: J.kann - quarterly report received on 8/21/12.1/16/13 : J.kann - 10/24/12 QR rcvd on 1/16/13.  
Remarks: 20K TANK - EVERYTIME FILLED ACTIVE FLOW TAKES PLACE INTO BASEMENT THRU WALLS - ABSORBED WITH SPEEDY DRY AND TEMPORARILY TAKING TANK OUT OF SERVICE

Material:  
Site ID: 252274  
Operable Unit ID: 935780  
Operable Unit: 01  
Material ID: 445144  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 252274  
Spill Tank Test: 1536460  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**R122**  
**South**  
**1/8-1/4**  
**0.168 mi.**  
**886 ft.**

**COMMERCIAL FACILITY**  
**245 TENTH AVE**  
**MANHATTAN, NY**  
**Site 6 of 9 in cluster R**

**NY Spills S106720298**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 0408626  
 DER Facility ID: 268750  
 Facility Type: ER  
 Site ID: 333519  
 DEC Region: 2  
 Spill Date: 11/4/2004  
 Spill Number/Closed Date: 0408626 / 11/2/2005  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**12 ft.**

**SWIS:**

Investigator: RXKEATIN  
 Referred To: Not reported  
 Reported to Dept: 11/4/2004  
 CID: 408  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: True  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 11/8/2004  
 Spill Record Last Update: 11/2/2005  
 Spiller Name: MARK ROBBINS  
 Spiller Company: COMMERCIAL FACILITY  
 Spiller Address: 235 TENTH AVE  
 Spiller City,St,Zip: MANHATTEN, NY  
 Spiller Company: 001  
 Contact Name: ALF NAMAN  
 Contact Phone: (212) 751-5432  
 DEC Memo: 1/11/2005 - Letter from Roux Associations to the site owner that commented on a report prepared by Hydro Tech Environmental Corporation. The letter indicated that there was only one active 555-gallon UST on site that was used for waste oil. Sampling around the UST did not indicate the presence of petroleum from the UST. The groundwater contamination is believed to be from an active Getty Station located immediately south of this site. Zhao contacted Mr. Mark Robbins and requested a copy of test results.

**Remarks:**

GROUNDWATER SAMPLING WAS DONE AND THE RESULTS FOUND CONTAMINATION ABOVE STATE STANDARDS.

**Material:**

Site ID: 333519  
 Operable Unit ID: 1095673  
 Operable Unit: 01  
 Material ID: 575801  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

COMMERCIAL FACILITY (Continued)

S106720298

Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

123  
North  
1/8-1/4  
0.168 mi.  
886 ft.

LIRR  
11TH AVE & 31ST STREET  
MANHATTAN, NY

NY Spills S106699674  
N/A

Relative:  
Higher

SPILLS:

Facility ID: 0407107  
DER Facility ID: 206106  
Facility Type: ER  
Site ID: 251465  
DEC Region: 2  
Spill Date: 9/25/2004  
Spill Number/Closed Date: 0407107 / 4/6/2006  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
17 ft.

SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 9/27/2004  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/27/2004  
Spill Record Last Update: 6/16/2008  
Spiller Name: TARAK  
Spiller Company: LONG ISLAND RAILROAD  
Spiller Address: 11TH & 31 ST STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 001  
Contact Name: TARAK  
Contact Phone: (212) 479-5400  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEMO"9/27/04 - AUSTIN - SPOKE WITH JOEL LANDES, LANGAN ENGINEERING (212-479-5404) WHO HAD CALLED THE RD'S OFFICE ON THIS MATTER TODAY. HE SAID THEY WERE DOING SOME PHASE 2 WORK WHEN THEY MADE THEIR DISCOVERY. WANTED TO KNOW WHO THE PROJECT MGR. WOULD BE FROM DEC. GAVE HIM TIM'S NUMBER - REPORTED BACK TO RD'S OFFICE ON RESULTS OF CALLBACK - END9/28/04 TJDReceived a call from Joel Landes from Langan Engineering regarding contamination identified during a Phase 2

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIRR (Continued)**

**S106699674**

investigation which is being performed at the site prior to the construction of a new sports arena over the existing rail yards. Contaminated soils and separate phase petroleum were found in a boring adjacent to track 14. Langan/LIRR have requested a night meeting on site with DEC to perform a walk-thru. Tentatively scheduled for 9/30/04. Lew Wunderlick from LIRR was contacted in an effort to obtain additional information, he will be reviewing site plans in an effort to identify any possible sources of contamination. 3/23/05 - Austin - Transferred from DeMeo to Tibbe - end 04/06/06: Contamination discovered in a large void in a boring under tracks in the LIRR yard. Because of the fact that trains were using these tracks, the void could not be left unfilled. The void and boring were filled with grout. Soil and groundwater analysis from surrounding borings show minimal to nonexistent contamination. NFA signed by K. S. Tang.

Remarks: DOING SOIL BORINGS AT TRACK 14: AND HAD HIGH PID READINGS: AND SOMETHING ALSO FLOATING: WILL SEND SAMPLE TO LAB

Material:

Site ID: 251465  
 Operable Unit ID: 890370  
 Operable Unit: 01  
 Material ID: 484950  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Pounds  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**U124  
 NE  
 1/8-1/4  
 0.169 mi.  
 890 ft.**

**VAULT 1606 & 1873  
 368-380 10TH AV  
 MANHATTAN, NY  
 Site 1 of 5 in cluster U**

**NY Spills S104511190  
 N/A**

**Relative:  
 Higher**

SPILLS:

Facility ID: 9914563  
 DER Facility ID: 148695  
 Facility Type: ER  
 Site ID: 176943  
 DEC Region: 2  
 Spill Date: 3/24/2000  
 Spill Number/Closed Date: 9914563 / 11/16/2004  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 20 ft.**

SWIS: 3101  
 Investigator: JHOCONNE  
 Referred To: Not reported  
 Reported to Dept: 3/24/2000  
 CID: 365

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VAULT 1606 & 1873 (Continued)**

**S104511190**

Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/24/2000  
Spill Record Last Update: 11/16/2004  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"e2mis no. 130551:03/24/00 14:45 R.Palladino (10563) while doing a routine inspection found unknown fluid in V-1606(16m71) at 368-80 10th Ave and it appears to have migrated via a weep hole to the adjacent structure-V-8173(16m69) at the same location. It appears to be diesel fuel but not sure. Taking 2 samples in each vault for ID,PCB analysis,and for flashpoint. Have 50 gallons of water total in both structures. No cracks in either structure. Unplugged sump pump. Entry into sewer or waterways is unknown at this time. Will disassemble sump and the piping to determine same. Unknown fluid amount is 25 gallons. Cleanup pending results.04:45 am As of this time analysis indicates the presence of a substance similar to light fuel oil (lab seq# 00-02807). Lab results are as follows for two vaultsLocation: 368-380 10 Ave. v-1606 16m71ppm <1.00Aroclor-NoneLocation:368-380 10Ave. v-8173 16m69ppm <1.00Aroclor-None01.Date: 3/27/0002.Time: 120003.Incident No: 13055104.Structure: V160605.Location: 368 10TH AVE07.Cleanup Type: <5025.Final Cleanup: Yes31.Sample No: 00-0280633.PCB Count: <1.061.Cleanup Info: 03-26-2000 REMOVED 100 GALS OF OILY WATER FROM VAULT FLOOR AND PIT. FINAL CLEAN UP WHEN CAN GET FLUSH TRUCK. TIME 1645 TO 1815. 03/27/2000 CLEANED VAULT WITH FLUSH TRUCK FROM 281 11TH AVE. REMOVED ALL SOLID WASTE. DOUBLE WASHED VAULT WITH OIL FREE AND REFLUSHED WITH FLUSH TRUCK. CLEAN UP COMPLETE,REMOVED OIL TAG #18083.  
Remarks: VAULTS ARE CONNECTED - BELIEVED OIL IS DIESEL - ITS ON 50 GALLONS OF WATER - CLEAN UP PENDING TEST RESULTS - REF #130551  
Material:  
Site ID: 176943  
Operable Unit ID: 1092592  
Operable Unit: 01  
Material ID: 292858  
Material Code: 0064A  
Material Name: UNKNOWN MATERIAL  
Case No.: Not reported  
Material FA: Other  
Quantity: 25  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VAULT 1606 & 1873 (Continued)**

**S104511190**

Tank Test:

**U125  
NE  
1/8-1/4  
0.169 mi.  
890 ft.**

**MANHOLE 56705  
10TH AVE/W 31ST ST  
MANHATTAN, NY**

**NY Spills S104651874  
N/A**

**Site 2 of 5 in cluster U**

**Relative:  
Higher**

**SPILLS:**

Facility ID: 0000637  
DER Facility ID: 139849  
Facility Type: ER  
Site ID: 165953  
DEC Region: 2  
Spill Date: 4/16/2000  
Spill Number/Closed Date: 0000637 / 3/15/2004  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
20 ft.**

**SWIS:**

3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 4/16/2000  
CID: 389  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/16/2000  
Spill Record Last Update: 3/15/2004  
Spiller Name: Not reported  
Spiller Company: UNK  
Spiller Address: UNKNOWN  
Spiller City,St,Zip: UNKNOWN, ZZ  
Spiller Company: 999  
Contact Name: CALLER  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"e2mis no. 130918:1 gal of unknown fluid on 100 gals of water in Manhole 56705. Clean up is pending lab results.lab-result 00-03720 PCB <1 ppm4/17/00 Clean up complete @13:30 hrs. No water found in structureUsed flush truck & slix to clean & rinse mud from the floor of the structure. The sump in this structure has a concrete bottom.

Remarks: caller reporting a spill in a manhole samples taken clean up pneding lab results coned#130918 no callback necessary

**Material:**

Site ID: 165953  
Operable Unit ID: 822382  
Operable Unit: 01  
Material ID: 288875

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE 56705 (Continued)**

**S104651874**

Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**U126**  
**NE**  
**1/8-1/4**  
**0.169 mi.**  
**890 ft.**

**CATCH BASIN**  
**WEST 31ST ST & 10 TH AVE**  
**MANHATTAN, NY**  
**Site 3 of 5 in cluster U**

**NY Spills S109372994**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**20 ft.**

**SPILLS:**  
Facility ID: 0808457  
DER Facility ID: 355108  
Facility Type: ER  
Site ID: 405852  
DEC Region: 2  
Spill Date: 10/28/2008  
Spill Number/Closed Date: 0808457 / 10/29/2008  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
**SWIS:**  
Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 10/28/2008  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/28/2008  
Spill Record Last Update: 10/29/2008  
Spiller Name: ERT  
Spiller Company: PETRO/HL5384  
Spiller Address: WEST 31ST ST & 10 TH AVE  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: ERT  
Contact Phone: (212) 580-8383  
DEC Memo: 11/24/08 - See eDocs for Con Ed report detailing cleanup and closure. Sangesland spoke to Dave Duke at Con Ed and Nick Chronopoulos at PetroSpill was from a vent line during a delivery. Less than 5 gal sprayed on side of building and onto sidewalk. Oil pads were laid

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CATCH BASIN (Continued)**

**S109372994**

Remarks:

down. Con Ed says some of the oil came "near" their sidewalk box (Con Ed men were working there when spill happened). Spill was cleaned. Very Heavy Rain in the 2-3 hours after the spill. Whatever was not cleaned up immediately by Petro was washed away in the downpour. Caller is 3rd party reporting above spill. Unknown clean up at this time. Nick Chronopoulos from Petro oil (718-628-3305) called hotline at 10:51 a.m. to state approx 1 quart of oil spilled to sidewalk out of a vent from an overflow, due to a faulty gauge. Stated a pad was put down and does not believe any oil went into the catch basin. Oil was being delivered to 450 West 33rd. st..

Material:

Site ID: 405852  
 Operable Unit ID: 1162463  
 Operable Unit: 01  
 Material ID: 2153719  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Not reported  
 Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**T127  
 SE  
 1/8-1/4  
 0.169 mi.  
 891 ft.**

**CHELSEA ELLIOT MUNICIPAL HOUSING PROJECT  
 427 WEST 26TH ST  
 MANHATTAN, NY  
 Site 2 of 3 in cluster T**

**NY Spills S111158632  
 N/A**

**Relative:  
 Higher**

SPILLS:

Facility ID: 1104033  
 DER Facility ID: 406180  
 Facility Type: ER  
 Site ID: 451618  
 DEC Region: 2  
 Spill Date: 7/12/2011  
 Spill Number/Closed Date: 1104033 / 7/13/2011  
 Spill Cause: Deliberate  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 18 ft.**

SWIS: 3101  
 Investigator: RVKETANI  
 Referred To: Not reported  
 Reported to Dept: 7/12/2011  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Local Agency  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHELSEA ELLIOT MUNICIPAL HOUSING PROJECT (Continued)**

**S111158632**

UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/12/2011  
Spill Record Last Update: 7/13/2011  
Spiller Name: NYC HOUSING AUTHORITY  
Spiller Company: HOUSING PROJECT RESD  
Spiller Address: 427 WEST 26TH ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: NYC HOUSING AUTHORITY  
Contact Phone: (718) 707-5725  
DEC Memo: 7/13/11 - Raphael Ketani. The spill was called in yesterday as the discovery of oil and filters in a sewer. A contractor was hired to clean out the sewer. I tried to contact Michael Lopez (718) 707-5725 of the Chelsea Elliot Municipal Housing Project, 427 West 26th Street, NY, but I could only leave a message. Later, I spoke to Mr. Lopez. He said that Michael Tartaro (718) 707-7842 was the one who was overseeing the cleanup of the spill. I spoke to Mr. Tartaro. He said that CMI was present using their vacuum truck to routinely clean out the sewers in the housing complex when they came upon the oil and filters. The CMI driver sucked up the oil and filters and waited for Clean Venture to arrive with their vac truck. CMI disgorged everything onto a tarp and the Clean Venture driver sucked up everything into his truck. What couldn't be sucked up - bricks and other debris - was put into seven drums and hauled away. The sidewalk where the oil had spilled into the sewer was also cleaned. Mr. Tartaro then sent me manifests by e-mail. As the spill was confined to the sewer and was small and was cleaned up the same day as the discovery, I determined that the spill was not a threat to the environment or to the public. Therefore, I closed the spill case.

Remarks: Contractor that was hired to clean out storm sewer found waste oil & filters that have been dumped into the sewer by unknown persons. Caller will be calling environmental contractor to do the cleanup.

Material:  
Site ID: 451618  
Operable Unit ID: 1201805  
Operable Unit: 01  
Material ID: 2198365  
Material Code: 0022  
Material Name: Waste Oil/Used Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

V128  
NNW  
1/8-1/4  
0.172 mi.  
908 ft.

**TRANSFORMER VAULT VS7361  
WEST 29TH ST/11TH AVE  
MANHATTAN, NY**

**NY Spills S106468984  
N/A**

**Site 1 of 4 in cluster V**

**Relative:  
Higher**

**SPILLS:**

Facility ID: 0401531  
DER Facility ID: 189641  
Facility Type: ER  
Site ID: 230080  
DEC Region: 2  
Spill Date: 4/12/2004  
Spill Number/Closed Date: 0401531 / 8/20/2004  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
13 ft.**

**SWIS:**

Investigator: SKARAKHA  
Referred To: Not reported  
Reported to Dept: 5/13/2004  
CID: 74  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/13/2004  
Spill Record Last Update: 8/20/2004  
Spiller Name: ERT DESK  
Spiller Company: CON ED  
Spiller Address: 128 WEST END AVE.  
Spiller City,St,Zip: MANHATTAN, NY 10023  
Spiller Company: 001  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383  
DEC Memo: e2mis 153351At 16:15hr I&A Supv. K Wilkinson #24331 was inspecting VS7361 and discovered 5 gal of an unknown substance. Supv. stated a body shop sit in front of the vault. Source of spill unknown, cause of spill unknown. No sewer/waterway affected. No Sewer connetion. Chain of custody #cc18096 three samples will be taken oil id, pcb, and flash point. environment tag #18353 was placed in vault.Lab Sequence Number: 04-03647-002Flash Point, PMCC < 77 deg FOil Identification Analysis by NYSDOH 310- (Hydrocarbon Scan)Analysis indicates the presence of a substance similar to a light fuel oil.Lab Sequence Number: 04-03647-001PCBs < 1 PPM.Lab Sequence Number: 04-03783-001: Total Organic Halides (TOX) 6.80 mg/L5/17/04 16:55 M. Lyons I&A supervisor called to report that clean Harbors was completed with the cleanup. He Gave the phone to Hector Soler Supervisor from Clean Harbors Who gave the report.He states that the cleanup was completed at 16:45. There was 1 drum of solid waste generated from this cleanup. Their tanker removed 380 gallons of water/oil mixture. The structure was triple washed with citrus cleaner. The Clean Harbors crew was: R. Sanchez, & L. Scott . The spill tag was removed.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRANSFORMER VAULT VS7361 (Continued)**

**S106468984**

Remarks: Found in a manhole in standing water. A body shop sits in front of the vault.

Material:

Site ID: 230080  
Operable Unit ID: 883369  
Operable Unit: 01  
Material ID: 492736  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

V129  
NNW  
1/8-1/4  
0.172 mi.  
908 ft.

**29TH ST & 11TH AVE/SEWER  
29TH ST & 11TH AVE/SEWER  
NYC, NY**

**NY Spills S102141226  
N/A**

**Site 2 of 4 in cluster V**

Relative:  
Higher

SPILLS:

Actual:  
13 ft.

Facility ID: 9105295  
DER Facility ID: 63983  
Facility Type: ER  
Site ID: 66880  
DEC Region: 2  
Spill Date: 8/16/1991  
Spill Number/Closed Date: 9105295 / 9/19/1991  
Spill Cause: Unknown  
Spill Class: Not reported  
SWIS: 3101  
Investigator: SJMILLER  
Referred To: Not reported  
Reported to Dept: 8/16/1991  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Fire Department  
Cleanup Ceased: 9/19/1991  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/30/1991  
Spill Record Last Update: 9/27/1991  
Spiller Name: Not reported  
Spiller Company: CON ED  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**29TH ST & 11TH AVE/SEWER (Continued)**

**S102141226**

Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MILLER"  
Remarks: SPILL DYKED

Material:  
Site ID: 66880  
Operable Unit ID: 959487  
Operable Unit: 01  
Material ID: 421098  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 200  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 66880  
Operable Unit ID: 959487  
Operable Unit: 01  
Material ID: 421099  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

V130  
NNW  
1/8-1/4  
0.172 mi.  
908 ft.

11TH AVE & W 29TH ST  
11TH AVE & W 29TH ST  
MANHATTAN, NY  
Site 3 of 4 in cluster V

NY Spills S103483483  
N/A

Relative:  
Higher

SPILLS:  
Facility ID: 9113336  
DER Facility ID: 132171  
Facility Type: ER  
Site ID: 156154  
DEC Region: 2  
Spill Date: 8/16/1991  
Spill Number/Closed Date: 9113336 / Not Closed  
Spill Cause: Equipment Failure  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JMOCONE  
Referred To: Not reported  
Reported to Dept: 5/4/1995

Actual:  
13 ft.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**11TH AVE & W 29TH ST (Continued)**

**S103483483**

CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 1  
 Date Entered In Computer: Not reported  
 Spill Record Last Update: 1/6/2009  
 Spiller Name: Not reported  
 Spiller Company: CON ED  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"APPENDIX B SITE NO. 78.

Remarks: Reported by Con Ed as required under Consent Order.

Material:  
 Site ID: 156154  
 Operable Unit ID: 964096  
 Operable Unit: 01  
 Material ID: 414845  
 Material Code: 0541A  
 Material Name: DIELECTRIC FLUID  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 9000  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

V131  
 NNW  
 1/8-1/4  
 0.172 mi.  
 908 ft.

**W 29TH ST & 11TH AV  
 MANHATTAN, NY**  
**Site 4 of 4 in cluster V**

**NY Spills S106005906  
 N/A**

**Relative:  
 Higher**

SPILLS:  
 Facility ID: 0204281  
 DER Facility ID: 93391  
 Facility Type: ER  
 Site ID: 105907  
 DEC Region: 2  
 Spill Date: 7/24/2002  
 Spill Number/Closed Date: 0204281 / 9/24/2004  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 13 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106005906

SWIS: 3101  
Investigator: KMFOLEY  
Referred To: Not reported  
Reported to Dept: 7/24/2002  
CID: 365  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/24/2002  
Spill Record Last Update: 9/24/2004  
Spiller Name: Not reported  
Spiller Company: THIRD PARTY  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"Con Ed e2mis #144136:@11:00 hrs A.Morales #50608 vvir.supv flush dept reported that private vehicle leak 2 qt of untreated water on street at w.29 st flush pit while loading debris from flush pit at 10:40 hrs.Contractor name R.P.Blair Corp. No sample taken. Cleanup in progress at this timeUPDATE: @11:45 HRSCleanup was completed at 11:43 hrs. Reported by A.Morales #50608 evir supv.

Remarks: leaking seal on a contractors truck - 2 quarts of untreated water from a flush pit - all cleaned up - ref #144136

Material:  
Site ID: 105907  
Operable Unit ID: 857073  
Operable Unit: 01  
Material ID: 518537  
Material Code: 0064A  
Material Name: UNKNOWN MATERIAL  
Case No.: Not reported  
Material FA: Other  
Quantity: 1  
Units: Gallons  
Recovered: Yes  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

Q132  
WSW  
1/8-1/4  
0.173 mi.  
913 ft.

201 11TH AVE/MANH/USPS  
201 11TH AVENUE  
NEW YORK CITY, NY  
Site 5 of 10 in cluster Q

NY LTANKS S100167779  
N/A

Relative:  
Lower

LTANKS:

Actual:  
7 ft.

Site ID: 131667  
Spill Number/Closed Date: 8908706 / 3/4/2003  
Spill Date: 11/27/1989  
Spill Cause: Tank Test Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: ADMIN. CLOSED  
Referred To: Not reported  
Reported to Dept: 12/4/1989  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 12/7/1989  
Spill Record Last Update: 11/4/2005  
Spiller Name: Not reported  
Spiller Company: U S POSTAL SERVICE  
Spiller Address: JAMES A FARLEY BLDG  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 113443  
DEC Memo: Not reported  
Remarks: 4K TANK, SYSTEMS TEST, FAILED VPLT WITH A LEAK RATE OF -.244GPH, WILL EXCAVATE, ISOLATE & RETEST.CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

Material:

Site ID: 131667  
Operable Unit ID: 933752  
Operable Unit: 01  
Material ID: 441896  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

201 11TH AVE/MANH/USPS (Continued)

S100167779

Tank Test:

Site ID: 131667  
Spill Tank Test: 1536509  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

Site ID: 131668  
Spill Number/Closed Date: 9005469 / 5/11/1990  
Spill Date: 8/17/1990  
Spill Cause: Tank Failure  
Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Not reported  
Cleanup Ceased: 5/11/1990  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: BATTISTA  
Referred To: Not reported  
Reported to Dept: 8/17/1990  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 8/20/1990  
Spill Record Last Update: 10/16/1990  
Spiller Name: Not reported  
Spiller Company: USPS  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller County: 999  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 113443  
DEC Memo: Not reported  
Remarks: GASKET ON TANK IS LEAKING, SMALL AMOUNT OF CONTAMINATED SOIL, WILL EXPOSE & REPAIR TANK & CLEAN UP, TYREE BROS TO DO WORK.

Material:

Site ID: 131668  
Operable Unit ID: 943005  
Operable Unit: 01  
Material ID: 436510  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**201 11TH AVE/MANH/USPS (Continued)**

**S100167779**

Material FA: Petroleum  
 Quantity: -1  
 Units: Not reported  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**Q133**  
**WSW**  
**1/8-1/4**  
**0.173 mi.**  
**913 ft.**

**US POSTAL GARAGE**  
**201 11TH AVE**  
**MANHATTAN, NY**  
**Site 6 of 10 in cluster Q**

**NY Spills S106126229**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 9300109  
 DER Facility ID: 280563  
 Facility Type: ER  
 Site ID: 247206  
 DEC Region: 2  
 Spill Date: 4/2/1993  
 Spill Number/Closed Date: 9300109 / 3/5/2003  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**7 ft.**

**SWIS:** 3101  
 Investigator: SULLIVAN  
 Referred To: Not reported  
 Reported to Dept: 4/2/1993  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Tank Tester  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 4/6/1993  
 Spill Record Last Update: 3/5/2003  
 Spiller Name: Not reported  
 Spiller Company: SAME  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ  
 Spiller Company: 001  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Not reported  
 Remarks: RECOMMEND ISO & RETEST

**Material:**

Site ID: 247206  
 Operable Unit ID: 981899  
 Operable Unit: 01  
 Material ID: 400874

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**US POSTAL GARAGE (Continued)**

**S106126229**

Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 9209596  
DER Facility ID: 280563  
Facility Type: ER  
Site ID: 247205  
DEC Region: 2  
Spill Date: 11/18/1992  
Spill Number/Closed Date: 9209596 / 11/18/1992  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: KSTANG  
Referred To: Not reported  
Reported to Dept: 11/18/1992  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: 11/18/1992  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/18/1992  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"  
Remarks: CUST. SUPT. DIRECTED DRIVER TO DELIV.FUEL TA A TANK WHICH WOULD NOT HOLD THE SPECIFIED AMOUNT-SPILL TEAM ENROUTE TO CLEAN ROUTE,UST COOR. WILL SUPERVISE CLEAN UP

Material:  
Site ID: 247205  
Operable Unit ID: 976180  
Operable Unit: 01  
Material ID: 406637

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**US POSTAL GARAGE (Continued)**

**S106126229**

Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 100  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

**W134  
NW  
1/8-1/4  
0.173 mi.  
916 ft.**

**CON ED TRANSPORTATION YD  
281 W 11TH AVE  
NYC, NY**

**NY Spills S102560158  
N/A**

**Site 1 of 8 in cluster W**

**Relative:  
Lower**

**SPILLS:**

Facility ID: 9612456  
DER Facility ID: 263076  
Facility Type: ER  
Site ID: 326578  
DEC Region: 2  
Spill Date: 1/18/1997  
Spill Number/Closed Date: 9612456 / 12/29/2003  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
12 ft.**

**SWIS:** 3101  
Investigator: CAENGELH  
Referred To: Not reported  
Reported to Dept: 1/18/1997  
CID: 371  
Water Affected: Not reported  
Spill Source: Major Facility > 400,000 gal  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/18/1997  
Spill Record Last Update: 10/19/2004  
Spiller Name: PAT MCHUGH  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY 10003  
Spiller Company: 001  
Contact Name: MR ROMANO  
Contact Phone: (212) 338-3352  
DEC Memo: TRANSFERRED FROM MULQUEEN TO ENGELHARDT ON

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON ED TRANSPORTATION YD (Continued)**

**S102560158**

1/21/97.-----E2MIS 10313801/18/97 0700 HRS R.ZAHN #14641  
 REPORTS: AT BEGGINING OF SHIFT IN TRANSP. BAY AT W.28 ST YD FOUND  
 VEH. #60355 LEAKING HYDRAULIC FLUID APPROX. 20 GLS ON TO FLOOR AND HE  
 BELIEVES IT ENTERED DRAIN ON FLOOR TO SEWER SYSTEM. SPILL IS  
 CONTAINED AT THIS TIME.DG 27-Jan-97 Close out letter written and sent  
 to appropriate dept heads on 29 Jan 97, 08:36 hrs KF95729.all repairs  
 were completed on this vehicle by W. 28th St. garage.  
 Remarks: SUPERVISOR FOUND SPILL UNDER TRUCK. CAUSE UNKNOWN. SEWER NEARBYBUT  
 CONTAM UNKNOWN. CLEANUP UNDERWAY.

Material:

Site ID: 326578  
 Operable Unit ID: 1040311  
 Operable Unit: 01  
 Material ID: 341099  
 Material Code: 0010  
 Material Name: Hydraulic Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 20  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**W135  
 NW  
 1/8-1/4  
 0.173 mi.  
 916 ft.**

**WEST 28TH ST YARD  
 281 11TH AVE  
 MANHATTEN, NY  
 Site 2 of 8 in cluster W**

**NY Spills S104502764  
 N/A**

**Relative:  
 Lower**

SPILLS:

Facility ID: 0902584  
 DER Facility ID: 363786  
 Facility Type: ER  
 Site ID: 414632  
 DEC Region: 2  
 Spill Date: 6/3/2009  
 Spill Number/Closed Date: 0902584 / 6/4/2009  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
 Willing Responsible Party. Corrective action taken.

**Actual:  
 12 ft.**

SWIS:

Investigator: smsanges  
 Referred To: Not reported  
 Reported to Dept: 6/3/2009  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 28TH ST YARD (Continued)**

**S104502764**

Remediation Phase: 0  
Date Entered In Computer: 6/3/2009  
Spill Record Last Update: 8/5/2009  
Spiller Name: Not reported  
Spiller Company: UNK SOURCE  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: ERT  
Contact Phone: (212) 580-8383  
DEC Memo: 08/05/09 - See eDocs for Con Ed report detailing cleanup and closure.minor hydraulic oil spill - all cleaned up  
Remarks: 2 gallons on asphalt from unk source. Clean up has already been conducted. Original start date May 1, 2009. Clean up completed 1600 hrs on May 1, 2009.

Material:  
Site ID: 414632  
Operable Unit ID: 1171016  
Operable Unit: 01  
Material ID: 2162801  
Material Code: 0010  
Material Name: Hydraulic Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**W136  
NW  
1/8-1/4  
0.173 mi.  
916 ft.**

**WEST 28TH ST YARD  
281' 11TH AVE  
MANHATTAN, NY  
Site 3 of 8 in cluster W**

**NY Spills S106866745  
N/A**

**Relative:  
Lower**

**SPILLS:**

Facility ID: 0412374  
DER Facility ID: 273202  
Facility Type: ER  
Site ID: 337865  
DEC Region: 2  
Spill Date: 2/19/2005  
Spill Number/Closed Date: 0412374 / 2/22/2005  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
12 ft.**

SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 2/19/2005  
CID: 41  
Water Affected: Not reported  
Spill Source: Commercial/Industrial

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 28TH ST YARD (Continued)**

**S106866745**

Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/22/2005
Spill Record Last Update:	2/22/2005
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	e2mis no. 157318:Derwin L Rush 18319, Auto A Mech. Reports that in process of doing repairs to Veh60470at the location of W 28 st vehicle repair center. Found that 60 gallons of hydraulic fluid was leaking from hydraulic system to concrete floor. He goes on to report that the reel boom had to be moved and that the only way to move it was to engage P.T.O (Power Take Off). He also states that up until this time was not able to find source of leak. And upon discovery ofsource vehicle was shut down and repairs are being made and a clean up is in progressat time of this report @20:50 hrs.Also take note that this vehicle was involved in an incident @13:30 hrs on 02/19/05 as well and that a Clean was done at this time also (Incident 157316) and complete @ 14:00 hrs. Hence making this a new spill. Clean up is complete, and repairs are being made.
Remarks:	HYDROLIC FLUID LEAKING FROM VEHICLE 60470 ONTO CONCRETE FLOOR (DURING REPAIRS) - NO TO FIVE QUESTIONS
Material:	
Site ID:	337865
Operable Unit ID:	1099876
Operable Unit:	01
Material ID:	580152
Material Code:	0010
Material Name:	Hydraulic Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	60
Units:	Gallons
Recovered:	60
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**W137**  
**NW**  
**1/8-1/4**  
**0.173 mi.**  
**916 ft.**

**CON EDISON-W 28TH STREET**  
**281 11TH AVENUE**  
**NEW YORK CITY, NY 10001**

**RCRA-LQG** **100011675**  
**NY SWF/LF** **NYD982177743**

**Site 4 of 8 in cluster W**

**Relative:**  
**Lower**

RCRA-LQG:

Date form received by agency: 02/21/2008

Facility name: CON EDISON - W. 28TH STREET SERVICE CENT

Facility address: 281 11TH AVE.

NEW YORK, NY 100011212

EPA ID: NYD982177743

Mailing address: 4 IRVING PLACE

NEW YORK, NY 10003

Contact: FRANKLIN MURRAY

Contact address: Not reported

Not reported

Contact country: Not reported

Contact telephone: (212) 460-2808

Contact email: MURRAYFR@CONED.COM

EPA Region: 02

Land type: Private

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.

Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/2006

Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.

Owner/operator address: 4 IRVING PLACE  
NEW YORK, NY 10003

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/2006

Owner/Op end date: Not reported

Handler Activities Summary:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON-W 28TH STREET (Continued)**

**1000111675**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2007

Facility name: CON EDISON - W. 28TH STREET SERVICE CENT  
Classification: Small Quantity Generator

Date form received by agency: 02/21/2006

Facility name: CON EDISON - W. 28TH STREET SERVICE CENT  
Classification: Large Quantity Generator

Date form received by agency: 02/20/2006

Facility name: CON EDISON - W. 28TH STREET SERVICE CENT  
Classification: Small Quantity Generator

Date form received by agency: 02/25/2004

Facility name: CON EDISON - W. 28TH STREET SERVICE CENT  
Site name: CON EDISON - W. 28TH STREET  
Classification: Large Quantity Generator

Date form received by agency: 05/31/2002

Facility name: CON EDISON - W. 28TH STREET SERVICE CENT  
Site name: CON EDISON - W. 28TH ST.  
Classification: Large Quantity Generator

Date form received by agency: 01/01/2001

Facility name: CON EDISON - W. 28TH STREET SERVICE CENT  
Site name: W. 28TH ST.  
Classification: Large Quantity Generator

Date form received by agency: 02/26/1998

Facility name: CON EDISON - W. 28TH STREET SERVICE CENT  
Site name: CON ED - WEST 28TH STREET SERVICE CTR  
Classification: Large Quantity Generator

Date form received by agency: 03/29/1996

Facility name: CON EDISON - W. 28TH STREET SERVICE CENT  
Site name: CON EDISON W 28TH ST SERVICE CENTER  
Classification: Large Quantity Generator

Date form received by agency: 03/31/1994

Facility name: CON EDISON - W. 28TH STREET SERVICE CENT  
Site name: CON EDISON - WEST 28TH STREET SVC CTR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON-W 28TH STREET (Continued)**

**1000111675**

Classification: Large Quantity Generator

Date form received by agency: 04/21/1987

Facility name: CON EDISON - W. 28TH STREET SERVICE CENT

Site name: CON EDISON - WEST 28TH STREET

Classification: Large Quantity Generator

**Hazardous Waste Summary:**

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D008

Waste name: LEAD

Waste code: D009

Waste name: MERCURY

Waste code: D010

Waste name: SELENIUM

Waste code: D018

Waste name: BENZENE

Waste code: D024

Waste name: M-CRESOL

Waste code: D025

Waste name: P-CRESOL

Waste code: B002

Waste name: B002

Waste code: B007

Waste name: B007

**Facility Has Received Notices of Violations:**

Regulation violated: SR - 372.2(b)(2)(i),(ii)

Area of violation: Generators - General

Date violation determined: 07/01/2004

Date achieved compliance: 07/26/2004

Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 07/26/2004

Enf. disposition status: Not reported

Enf. disp. status date: Not reported

Enforcement lead agency: State

Proposed penalty amount: Not reported

Final penalty amount: Not reported

Paid penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON-W 28TH STREET (Continued)**

**1000111675**

Regulation violated: SR - 373-3.2(g)(2)  
Area of violation: Generators - General  
Date violation determined: 10/01/2003  
Date achieved compliance: 12/04/2003  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 11/06/2003  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/12/2010  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 07/01/2004  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 07/26/2004  
Evaluation lead agency: State

Evaluation date: 10/01/2003  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 12/04/2003  
Evaluation lead agency: State

SWF/LF:

Flag: INACTIVE  
Region Code: 2  
Phone Number: 2122393138  
Owner Name: Not reported  
Owner Type: Not reported  
Owner Address: Not reported  
Owner Addr2: Not reported  
Owner City,St,Zip: Not reported  
Owner Email: Not reported  
Owner Phone: Not reported  
Contact Name: HARRY COATES  
Contact Address: Not reported  
Contact Addr2: Not reported  
Contact City,St,Zip: Not reported  
Contact Email: Not reported  
Contact Phone: Not reported  
Activity Desc: C&D processing - registration  
Activity Number: [31W12]  
Active: No  
East Coordinate: 584000  
North Coordinate: 4511500  
Accuracy Code: Not reported  
Regulatory Status: Permit

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CON EDISON-W 28TH STREET (Continued)**

**1000111675**

Waste Type: Not reported  
 Authorization #: 2-6205-00035  
 Authorization Date: 01/24/1991  
 Expiration Date: 01/24/1996

**W138  
 NW  
 1/8-1/4  
 0.173 mi.  
 916 ft.**

**W28TH ST YARD  
 281 11TH AV  
 MANHATTAN, NY  
 Site 5 of 8 in cluster W**

**NY Spills S104503650  
 N/A**

**Relative:  
 Lower**

**SPILLS:**

Facility ID: 0406172  
 DER Facility ID: 82062  
 Facility Type: ER  
 Site ID: 90987  
 DEC Region: 2  
 Spill Date: 9/5/2004  
 Spill Number/Closed Date: 0406172 / 11/12/2004  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 12 ft.**

**SWIS:**

Investigator: SKARAKHA  
 Referred To: Not reported  
 Reported to Dept: 9/5/2004  
 CID: 62  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 9/5/2004  
 Spill Record Last Update: 11/12/2004  
 Spiller Name: ERT DESK  
 Spiller Company: Not reported  
 Spiller Address: 281 11TH AVE  
 Spiller City,St,Zip: NEW YORK, NY  
 Spiller Company: 001  
 Contact Name: ERT DESK  
 Contact Phone: (212) 580-8383  
 DEC Memo:

e2mis no 155226E.Manning 03430 reports that in the 28 St. yard a garbage dumpster was leaking an unknown oil into a drain. He reports that this unknown oil has made sheen and he has used diapers and was able to remove all of the sheen at this time He has also placed oil absorbent on the asphalt by the garbage dumpster preventing any more from going in the above said drain. At this point it is unknown as to the connection going to this drain itself. Source and cause of spill are unknown. No samples taken at this time, clean up pending response from Facilities Mgt Dept.Sept 05,2004@ 07:30, I T. Haynes spoke to R. Carty in refer. to the above. He states, that the unknown oil made be hydraulic fluid, and isn't coming from the dumpsters. The assumption is, that a vehicle may have been passing through and leaked the hydraulic fluid from it's vehicle onto the asphalt, which went into

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**W28TH ST YARD (Continued)**

**S104503650**

Remarks: the drain. Two samples were taken 1 oil id and 1 pcb.10:00, I spoke to Flush Supv. Jenkins, he has one of his crew members cleaning up the spill. He also said; there is hydraulic fluid inside of the catch basin. Once lab results come back we will preceed with the clean-up.Lab Sequence Number: 04-07067-001: Analysis indicates the presence of a substance similar to a solvent; PCBs < 1 PPM9/7 @ 02:05Spoke to Jenkins 56029 Flush Supervisor and he informed me that the cleanup completed as of 14:20 on 9/5/2004. The basin was cleaned with the Vactor truck. Encironemtrnal tag # 38689 was removed. Oil sheen on stagnant water near dumpster. Absorbant pads used to recover all of product.

Material:

Site ID: 90987  
Operable Unit ID: 889737  
Operable Unit: 01  
Material ID: 487159  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 90987  
Operable Unit ID: 889737  
Operable Unit: 01  
Material ID: 487158  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0005483  
DER Facility ID: 82062  
Facility Type: ER  
Site ID: 90981  
DEC Region: 2  
Spill Date: 8/8/2000  
Spill Number/Closed Date: 0005483 / 12/30/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 8/8/2000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**W28TH ST YARD (Continued)**

**S104503650**

CID: 205  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/8/2000  
Spill Record Last Update: 12/30/2003  
Spiller Name: Not reported  
Spiller Company: CON EDISON  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"e2mis no. 132753:8/8/00Mr L. Faro, EH&S, #34079, reported a tar like substance spilled from a gas pipe inside W.28 st hazardous containment area onto a concrete pad. The substance is known to contain 137 ppm PCB's Samples were taken on 8/1/00 and results from Chem lab received on 8/7/00. Mr Faro has made area safe and is arranging clean up.Update 08-AUG-2000 09:50 amPipe was brought in from field location at 301 West 38th pending analysis. Pipe ends were wrapped with plastic and duct tape and pipe was placed in hazardous waste storage area. Spill occurred when the tar residue inside pipe melted from the heat and leaked past plastic containment onto concrete pad. Spill cleanup overseen by Gary Windman, Manhattan Gas Environmental Coordinator. Spill occurred when the tar residue inside pipe melted from the heat and leaked past plastic containment onto concrete pad. Spill cleanup overseen by Gary Windman, Manhattan Gas Environmental Coordinator. Spill was triple washed and section of concrete with stain removed for proper disposal.Lab Sequence Number: 00-07434 OIL AROCLOR 1242 - 137 PPMUPDATE - August 8, 2000 09:45 Cleanup of spill is complete. The concrete has a small layer of tar still on the surface. Repeated scrubbing with wire brush and degreaser not removing tar. Crew setting up to breakout 18" x 18" square of concrete.On August 8th, gas construction crew broke out 18" x 18" concrete where spill occurred. Concrete was disposed of as PCB/Benzene hazardous waste.  
Remarks: TAR LIKE SUBSTANCE LEAKING FROM PIPE. PCB 137PPM. CLEANUP PENDING.

Material:  
Site ID: 90981  
Operable Unit ID: 828066  
Operable Unit: 01  
Material ID: 550211  
Material Code: 0064A  
Material Name: UNKNOWN MATERIAL  
Case No.: Not reported  
Material FA: Other  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**W28TH ST YARD (Continued)**

**S104503650**

Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

**W139  
 NW  
 1/8-1/4  
 0.173 mi.  
 916 ft.**

**15 GALLONS HYDAULIC FLUID HOSE BURST  
 281 W 11 AVENUE  
 MANHATTAN, NY  
 Site 6 of 8 in cluster W**

**NY Spills S108297479  
 N/A**

**Relative:  
 Lower**

**SPILLS:**

Facility ID: 0611412  
 DER Facility ID: 325703  
 Facility Type: ER  
 Site ID: 376106  
 DEC Region: 2  
 Spill Date: 1/15/2007  
 Spill Number/Closed Date: 0611412 / 2/16/2007  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 12 ft.**

**SWIS:**

Investigator: GDBREEN  
 Referred To: Not reported  
 Reported to Dept: 1/15/2007  
 CID: 41  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 1/16/2007  
 Spill Record Last Update: 2/16/2007  
 Spiller Name: Not reported  
 Spiller Company: CON EDISON  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: ERT DESK  
 Contact Phone: (212) 580-8383  
 DEC Memo: 02/16/07 - See e-docs for Con Ed report detailing cleanup and closure.204072. see eDocs  
 Remarks: CLEANUP IN PROGRESS - ON CONCRETE FLOOR - NO TO FIVE QUESTIONS - REF # 204072

**Material:**

Site ID: 376106  
 Operable Unit ID: 1133711  
 Operable Unit: 01  
 Material ID: 2123532

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**15 GALLONS HYDAULIC FLUID HOSE BURST (Continued)**

**S108297479**

Material Code: 0010  
Material Name: Hydraulic Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 15  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**W140  
NW  
1/8-1/4  
0.173 mi.  
916 ft.**

**TEN GAL HYDRAULIC FROM VEHICLE  
281 11 AVENUE. WEST 28 STREET YARD  
MANHATTAN, NY  
Site 7 of 8 in cluster W**

**NY Spills S108955424  
N/A**

**Relative:  
Lower**

**SPILLS:**

Facility ID: 0707352  
DER Facility ID: 337555  
Facility Type: ER  
Site ID: 388037  
DEC Region: 2  
Spill Date: 10/3/2007  
Spill Number/Closed Date: 0707352 / 11/27/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**Actual:  
12 ft.**

**SWIS:**  
Investigator: gdbreen  
Referred To: Not reported  
Reported to Dept: 10/3/2007  
CID: 404  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/3/2007  
Spill Record Last Update: 11/27/2007  
Spiller Name: Not reported  
Spiller Company: CON EDISON  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: ERTSDESK  
Contact Phone: (212) 580-8383  
DEC Memo: 11/27/07 - See eDocs for Con Ed report detailing cleanup and closure.208372. see eDocs  
Remarks: from vehcile # 60709; spill contained; clean up is in the process.  
208372

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

TEN GAL HYDRAULIC FROM VEHICLE (Continued)

S108955424

Material:  
Site ID: 388037  
Operable Unit ID: 1145223  
Operable Unit: 01  
Material ID: 2135554  
Material Code: 0010  
Material Name: Hydraulic Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

W141  
NW  
1/8-1/4  
0.173 mi.  
916 ft.

HYDRAULIC RELEASE FROM VEH 60710  
281 11 AVENUE  
MANHATTAN, NY

NY Spills S108465687  
N/A

Site 8 of 8 in cluster W

Relative:  
Lower

SPILLS:

Facility ID: 0604150  
DER Facility ID: 317085  
Facility Type: ER  
Site ID: 367065  
DEC Region: 2  
Spill Date: 7/14/2006  
Spill Number/Closed Date: 0604150 / 11/8/2007  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
12 ft.

SWIS: 3101  
Investigator: GDBREEN  
Referred To: Not reported  
Reported to Dept: 7/14/2006  
CID: 444  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/14/2006  
Spill Record Last Update: 11/8/2007  
Spiller Name: ERTS  
Spiller Company: CON EDISON  
Spiller Address: 281 11TH AVE  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: ERTS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HYDRAULIC RELEASE FROM VEH 60710 (Continued)**

**S108465687**

Contact Phone: (212) 580-8383  
DEC Memo: 11/08/07 - See eDocs for Con Ed report detailing cleanup and closure.201141. see eDocs  
Remarks: COMING OUT OF A GARBAGE DUMPSTER: SOME DID GO INTO DRAIN: NO TO 5 QUESTIONS. 201141

Material:

Site ID: 367065  
Operable Unit ID: 1124990  
Operable Unit: 01  
Material ID: 2114497  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 3  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0612171  
DER Facility ID: 326558  
Facility Type: ER  
Site ID: 376967  
DEC Region: 2  
Spill Date: 2/5/2007  
Spill Number/Closed Date: 0612171 / 2/16/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: GDBREEN  
Referred To: Not reported  
Reported to Dept: 2/5/2007  
CID: 410  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/5/2007  
Spill Record Last Update: 2/16/2007  
Spiller Name: ERTS  
Spiller Company: CON EDISON  
Spiller Address: 281 11TH AVE  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: ERTS  
Contact Phone: (212) 580-8383

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HYDRAULIC RELEASE FROM VEH 60710 (Continued)**

**S108465687**

DEC Memo: 02/16/07 - See e-docs for Con Ed report detailing cleanup and closure.204428. see eDocs  
Remarks: NO TO FIVE QUESTIONS: FAULTY HOSE ON TRUCK: CLEANUP PENDING CREW: CONED: 204428  
Material:  
Site ID: 376967  
Operable Unit ID: 1134521  
Operable Unit: 01  
Material ID: 2124393  
Material Code: 0010  
Material Name: Hydraulic Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

**Q142  
SW  
1/8-1/4  
0.174 mi.  
919 ft.**

**MANHOLE  
WEST 24TH AND 11TH AVE  
MANHATTAN, NY**

**NY Spills S111317344  
N/A**

**Site 7 of 10 in cluster Q**

**Relative:  
Lower**

**SPILLS:**

**Actual:  
7 ft.**

Facility ID: 1108332  
DER Facility ID: 410619  
Facility Type: ER  
Site ID: 456058  
DEC Region: 2  
Spill Date: 9/29/2011  
Spill Number/Closed Date: 1108332 / 11/8/2011  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: RWAUSTIN  
Referred To: Not reported  
Reported to Dept: 9/29/2011  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/29/2011

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MANHOLE (Continued)**

**S111317344**

Spill Record Last Update: 11/8/2011  
 Spiller Name: Not reported  
 Spiller Company: CON ED  
 Spiller Address: Not reported  
 Spiller City, St, Zip: NY  
 Spiller Company: 999  
 Contact Name: ERT  
 Contact Phone: 212-580-8383  
 DEC Memo: 11/8/11 - Austin - 45 gals. of cable oil (from leaking feeder, which was barrel clamped) atop 489 gals. water in vault - Con Ed contained and cleaned up the spill - See eDocs for more information - Spill closed - end  
 Remarks: 45 GALLONS OIL ON 489 GALLONS WATER, CLEANUP PENDING.

Material:  
 Site ID: 456058  
 Operable Unit ID: 1206204  
 Operable Unit: 01  
 Material ID: 2203242  
 Material Code: 0541A  
 Material Name: DIELECTRIC FLUID  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 45  
 Units: Gallons  
 Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**Q143**  
**SW**  
**1/8-1/4**  
**0.177 mi.**  
**932 ft.**

**198-200 11TH AVE**  
**198-200 11TH AVE**  
**MANHATTAN, NY**  
**Site 8 of 10 in cluster Q**

**NY Spills S107656966**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**  
 Facility ID: 0513340  
 DER Facility ID: 309964  
 Facility Type: ER  
 Site ID: 359839  
 DEC Region: 2  
 Spill Date: 2/19/2006  
 Spill Number/Closed Date: 0513340 / 8/21/2009  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: jkkann  
 Referred To: NFA  
 Reported to Dept: 2/19/2006  
 CID: 73  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported

**Actual:**  
**7 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**198-200 11TH AVE (Continued)**

**S107656966**

Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/21/2006  
Spill Record Last Update: 8/21/2009  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller Company: 001  
Contact Name: MOHAMED AHMED  
Contact Phone: (212) 675-3725  
DEC Memo: 02/21/06-Hiralkumar Patel. From Property Shark, owner of the property:Filiberto Properties, Inc.40-54 61st StreetQueens NY 11377From Reverse Phone Directory, name of property:CC Auto Diagnostic Center198 11th AveManhattan, NY 10011(212) 352-2211Tried Mohamed's number, but no body is answering and there is no voicemail settings. Called at CC Auto diagnostic center, spoke with Mr. Mike, manager at property. as per him, there is no UST at location.02/23/06-Hirakumar Patel. Spoke with Mohamed at Fleming Lee Shue. the number on report for Mohamed was wrong, correct number is 212-675-3225 and FAX is (212) 675-3224. as per Mohamed, they are doing soil investigation for E-Designated site. during investigation, they found 2 location on eastern side of property, which is up gradient, are contaminated. they checked on down side on west, but there is no contamination. Mohamed has taken out samples for lab analysis on 19th Feb. and waiting to get results. once he get results, he will send us Investigation Report with site plan, sampling locations etc. by 10th March 2006.As per Mohamed, this property doesn't have tank, but the property on east side of location has UST, whose fill port and vent pipe are 10-15 ft away from this property. he thinks that this contamination is from next door property. Next door property address is 552 West 24th Street. From Property Shark, owner of next door property:552 West 24th. Associates Inc.,B J Auto Master Incorporated552 West 24th StreetNew York NY 10011From the Photographs on Property Shark, phone number at property is (212) 929-0077.Spoke with Joe Nasair, property manager at next door property. this property has 150 gal gasoline tank.4/4/06- DEC Piper spoke w/ mohamed at FL&S. As per him, he will send a report in a week or so. Afterwards, if it is determined that contamination is from neighboring prop. then a CSL letter will be issued.4/21/06- DEC Piper spoke w/ Mohamed after reviewing RIP. As per report there are slight exceedances of Benzene and SVOCs in Soil as well as elevated levels of metals in both soil and gw. There are plans to construct a building though a basement has not been determined. If a basement is to be planned, the entire site will be excavated, if not select areas will be remediated.6/29-06- DEC Piper review RAWP. As per report, they will excavate to gw the NW area where soil contamination was present. The other area of the site will be excavated 2' bgs for new foundation, The excavation will be left open to ensure free phase product does not seep into excavaton, If not ORC will be placed on gw interface and a vapor barrier will be installed. Afterwards 2 monitoring wells downgradient on sidewalk will be installed and will be sampled/ monitored on a quarterly basis for water quality for two years. 9/11/06 - Site reassigned from Piper to J.Kann - J.Kann2/22/07

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

198-200 11TH AVE (Continued)

S107656966

- J.Kann - contacted Mohamed Ahmed (212-675-3225) and requested update. He said that piles are being driven at the site now, and that ground work will commence in April (this is when contaminated soils will be removed and ORC applied. He will provide me at least one week's notice prior to remedial work commencing.8/28/07 - J.Kann - recved Remedial Action Report from Fleming Lee Shue. Spoke with Mohamed Ahmed and told him that he was supposed to contact me when work was going to commence and that I did not recieve notice. He said that it was his mistake. The report is under review. 3/17/08 - J.Kann - spoke with Mohamed in January 2008 and he informed me that monitoring wells will be installed on Feburary 5, 2008. He emailed me in October 2007 with a revised figure indicating the location of monitoring wells. The locations were acceptable. The following email was sent today "The Department has reviewed your Remedial Action Report (RAR) prepared for the referenced site and dated August 22, 2007. The Department was not informed when excavation work was being performed at the site and was therefore not able to observe such activities. When performing any investigative/remedial work the DEC Lead must be given a minimum of 72 hours notice.Results of the post-excavation sampling show minor VOC exceedances. It is the Department's understanding that the building was constructed prior to the submittal of the RAR to the DEC. The report states that the building was constructed with an "active sub-slab depressurization system" and a vapor barrier. However, documentation supporting the SSDS was not included in the report. Please clarify this statement and/or submit documents showing where the SSDS was installed, including as built plans.The locations of the proposed monitoring wells are acceptable. The Department was notified prior to their installation and it is our understanding that well installation was completed on February 5, 2008.Tables included in the RAR referenced the TAGM 4046 RSCOs. The numbers that should be referenced are Consolidated TAGM 4046 and STARS and can be found at <http://www.dec.ny.gov/regulations/2390.html> Please resubmit the tables."5/14/09: J.Kann - Spill Closure request received on March 20, 2009 and under review.8/21/09: J.Kann - Closure Report reviewed. Quarterly sampling show three rounds of minimal exceedence of benzene and MTBE in upgradient well only. Groundwater not used for drinking. NFA.

Remarks: UNDER GROUND TANK LEAKED. UNKNOWN CAUSE.

Material:

Site ID: 359839  
Operable Unit ID: 1117032  
Operable Unit: 01  
Material ID: 2107498  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**X144**  
**ENE**  
**1/8-1/4**  
**0.179 mi.**  
**944 ft.**

**STUART DEAN COMPANY**  
**366 10TH AV**  
**MANHATTAN, NY**

**NY LTANKS**    **S105997685**  
**N/A**

**Site 1 of 2 in cluster X**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**23 ft.**

Site ID: 287180  
 Spill Number/Closed Date: 0209637 / 5/31/2006  
 Spill Date: 12/19/2002  
 Spill Cause: Tank Test Failure  
 Spill Source: Commercial/Industrial  
 Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: KSTANG  
 Referred To: Not reported  
 Reported to Dept: 12/19/2002  
 CID: 365  
 Water Affected: Not reported  
 Spill Notifier: Tank Tester  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 12/19/2002  
 Spill Record Last Update: 5/31/2006  
 Spiller Name: PEDRO LUGO  
 Spiller Company: STUART DEAN, INC  
 Spiller Address: 366 10TH AV  
 Spiller City,St,Zip: MANHATTAN, NY 001  
 Spiller Contact: PEDRO LUGO  
 Spiller Phone: (212) 695-3180  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 232628  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ZHAO/DO"12/19/02 - AUSTIN, DDO - TTF LETTER SENT1/11/06- DEC Piper spoke w/ Eugene Degan, (PRev. Owner Rep 845.294.7509) regarding tank test. He could not be sure though he thinks the tanks are still empty. He will look into this. Piper then contacted new owner Dov Hertz, Extell Group. 212.712.0633. He knows nothing and will have previous owner get info. Galden Frankel performed Phase I and II on property. Left message at GF requesting call back.1/18/06- DEC Piper spoke w/ property manager, Rob Scharf 212.712.6111. Stewart Dean Co. -212.695.3180. He will fax info. DEC Piper to review and inform Rob of additional work if warranted.2/6/06- DEC Piper spoke w/ Rob S. I explained to him that he was still in violation of PBS code. I have received analytical suggesting that there was no release at the site. The tank test results indicated a dry ullage leak. The tank is empty and still needs to be removed or closed iin place. As per Rob, he will be sending in the new appplication this week. I instructed him to include a line item that that due to the razing of the building, that they will remove the tank when the activities have been completed. Afterwards, he will need to update the PBS records to insicate that the tank has been removed. Upon review of a limited

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STUART DEAN COMPANY (Continued)**

**S105997685**

phase II investigation of the site performed by Galden Frankel, of the six soil samples taken from various locations throughout the site, no elevated constituents were detected. However, three GW samples were collected. The results indicate 1,040 ppb of MTBE and slightly elevated levels of PERC and its byproducts. 5/15/06- DEC Piper. Referred to Remediation.5/31/06 - reviewed file: MTBE was detected without other VOCs usually present in a petroleum release. The MTBE is likely the leading edge of an off-site impact. Low level of CVOCs are also detected. These CVOCs are only detected in GW with no soil contamination or other sources on site. Spill is closed, no NFA issued since no remediation was ever conducted at site. - KST they are going to abandoned the tank

Remarks:

**Material:**

Site ID: 287180  
 Operable Unit ID: 862851  
 Operable Unit: 01  
 Material ID: 513064  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

**Tank Test:**

Site ID: 287180  
 Spill Tank Test: 1527857  
 Tank Number: 1  
 Tank Size: 3000  
 Test Method: 03  
 Leak Rate: 0  
 Gross Fail: F  
 Modified By: Spills  
 Last Modified: 10/1/2004  
 Test Method: Horner EZ Check I or II

**Q145  
 SW  
 1/8-1/4  
 0.179 mi.  
 947 ft.**

**SB 33073  
 196 11TH AV  
 NEW YORK, NY  
 Site 9 of 10 in cluster Q**

**NY Spills S106471345  
 N/A**

**Relative:  
 Lower**

**SPILLS:**

Facility ID: 0404349  
 DER Facility ID: 166849  
 Facility Type: ER  
 Site ID: 200500  
 DEC Region: 2  
 Spill Date: 7/22/2004  
 Spill Number/Closed Date: 0404349 / 10/8/2004  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

**Actual:  
 7 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

SB 33073 (Continued)

S106471345

Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: SKARAKHA  
Referred To: Not reported  
Reported to Dept: 7/22/2004  
CID: 71  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/22/2004  
Spill Record Last Update: 10/8/2004  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: MARK SCHLAGEL  
Contact Phone: (212) 580-8383  
DEC Memo: e2mis no 154483Valenzuela saw that there was 3 qts of an unknown brown substance mixed with 50 gallons of water. He states that this is in front of an Auto repair garage. He will take 4 samples 1-for pcb,1-for ID & 1-for flash point & for ethylene glychol (antifreeze). The cleanup will be pending lab results.Lab Sequence Number: 04-05780-001: Analysis indicates the presence of a substance similar to a lubricating oil.Lab Sequence Number: 04-05779-001: PCBs < 1 ppmLab Sequence Number: 04-05792-001: Flash Point, PMCC > 140 deg F.Lab Sequence Number: 04-05793-001: Ethylene Glycol 1080 ppmJULY 29, 2004@08:48 Doug from Clean Harbors completed sb 33073. They had a concern about the service box. The service box sits in front of a taxi stand. When taxis pulls up, they fill their vehicles up with anti-freeze and spills it onto the ground,in which, seeps back into the service box. Clean harbors doesn't want us to think,that they half cleaned the service box. Clean -up time 08:30.

Remarks: SAMPLES HAVE BEEN TAKEN. REF #154483. POSSIBLE THIRD PARTY SPILL. Updated 7/23/04 by Kevin: Tests came back and is determined to be lubricating oil.

Material:  
Site ID: 200500  
Operable Unit ID: 887286  
Operable Unit: 01  
Material ID: 488352  
Material Code: 0064A  
Material Name: UNKNOWN MATERIAL  
Case No.: Not reported  
Material FA: Other  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SB 33073 (Continued)**

**S106471345**

Tank Test:

**Q146  
 SW  
 1/8-1/4  
 0.184 mi.  
 969 ft.**

**SB 33073  
 196 11TH AVE  
 MANHATTAN, NY**

**NY Spills S106698000  
 N/A**

**Site 10 of 10 in cluster Q**

**Relative:  
 Lower**

**SPILLS:**

Facility ID: 0404878  
 DER Facility ID: 240063  
 Facility Type: ER  
 Site ID: 296661  
 DEC Region: 2  
 Spill Date: 8/4/2004  
 Spill Number/Closed Date: 0404878 / 12/21/2004  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 7 ft.**

**SWIS:**

3101  
 Investigator: JHOCONNE  
 Referred To: Not reported  
 Reported to Dept: 8/4/2004  
 CID: 403  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 8/4/2004  
 Spill Record Last Update: 12/21/2004  
 Spiller Name: ERT DESK  
 Spiller Company: SB 33073  
 Spiller Address: 196 11TH AVE  
 Spiller City,St,Zip: MANHATTAN, NY  
 Spiller Company: 001  
 Contact Name: ERT DESK  
 Contact Phone: (212) 580-8383  
 DEC Memo:

e2mis no. 154685:5 gallons of possible antifreeze and 35 gallons of water in service box SB33073. The source and cause of this spill is possible third party since the service box is directly in front of a vehicle service garage. According to Mr. Chintalan cars from the garage are parked adjacent to the vented service box cover. There are burnouts in the structure, CO (carbon monoxide) is present, but there is no visible smoke. Cleanup is pending lab results. Lab Sequence Number: 04-06136-001 - Analysis indicates the presence of a substance similar to a lubricating oil. Lab Sequence Number: 04-06135-001 - PCBs < 1 ppm Lab Sequence Number: 04-06137-001 - Ethylene Glycol 2340 ppm Update: 8/25/04 @ 16:55 hrs. Manhattan Environmental Desk made arrangements with Clean Harbors to clean this service box on Friday 8/27/04 at 08:00 hrs. F. Romano reports that at 13:00 hrs that clean up has been complete by Clean Harbors Slix was used and was washed twice,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

SB 33073 (Continued)

S106698000

spill tag remains E/V desk will make arrangements for removal of same. Update: Aug 27, 2004 @ 17:59 hrs, P. Sinclair 12747, Flush dept was at this location to remove yellow spill tag and reports that at this time that tag # 01041 is not in this manhole at this time. Update: 9/01/04 The following is details of the cleanup taken from an e-mail dated 9/1/04 @ 09:49 hrs. from Doug Hoffman of Clean Harbors to R. Pellegrino: "On Friday August 27, 2004h Clean Harbors Environmental Services Inc cleaned service box 33073, Incident #154685.1. The cleanup was completed at 22:15 on August 27, 2004.2. No liquid was removed from the structure. 3. 1 Cubic yard of antifreeze and oil debris (solid) was removed from the structure into a Cusco.4. The structure as double washed and rinsed and scrubbed clean using brushes. 5. 5 gallons of Citra-clean was used in cleaning the structure.6. The site was cleaned up to a onsite Con Ed representative approval.7. The site was in front of a taxi garage and during the cleanup many taxis filled their coolant system spilling antifreeze on the ground causing it to run into the service box.

Remarks:

they believe the spill may have come from a vehicle that was parked over the cover. they think the material spilled was antifreeze. no smoke, fire, sewers, or waterways affected. clean up is pending lab results

Material:

Site ID: 296661  
Operable Unit ID: 887819  
Operable Unit: 01  
Material ID: 488852  
Material Code: 0064A  
Material Name: UNKNOWN MATERIAL  
Case No.: Not reported  
Material FA: Other  
Quantity: 5  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

R147  
SSW  
1/8-1/4  
0.185 mi.  
979 ft.

537 -541 W. 24TH ST  
MANHATTAN, NY  
Site 7 of 9 in cluster R

NY LTANKS S104782023  
N/A

Relative:  
Lower

LTANKS:

Site ID: 229980  
Spill Number/Closed Date: 0005393 / 6/8/2007  
Spill Date: 8/5/2000  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: kkchanda

Actual:  
10 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S104782023

Referred To: Not reported  
Reported to Dept: 8/5/2000  
CID: 322  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 8/5/2000  
Spill Record Last Update: 6/11/2007  
Spiller Name: KRIS MAIN  
Spiller Company: Not reported  
Spiller Address: 537 -541 W. 24TH ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller County: 001  
Spiller Contact: KRIS MAIN  
Spiller Phone: (732) 390-5858  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 189550  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SAWYER"4/22/03 SAMUEL- RCVD TANK CLOSURE & SITE ASSESSMENT REPORT.CONTACT PERSON:- HUGH J FREUND 212 705 7000- ATTORNEY FOR THE MARY BOONE GALLERY (R.P)2/9/06- DEC Piper spoke w/ LEE WESTCHOTT at Whitman CO. As per conversation there was free floating product discovered at the property. There is a monitoring well network. It has been recently sampled and Lee will forward a summary status report to the dept. including analytical summaries within the next month. Case referred to Koon Tang.06/08/06: This spill transferred to S.Kraszewski. - SK08/14/06: Received a voicemail from Ira Whitman, concerning the status of the site. He gave no callback number. SK reviewed the Tank Closure Report from Fall 2001. It is evident that high levels of VOCs were detected around the fuel oil UST. Lower exceedances were also found around the gasoline USTs and the Oil/Water separator. No mention if GW was encountered; the site lies next to the Hudson River so GW is probably shallow. No MWs were installed during the investigation. Must know the GW condition above all else at this point. - SK08/15/06: Called Ira Whitman (732-553-4333) after he left a voicemail. He is no longer the consultant involved with this site, in fact he believes that no firm is involved at all. He was involved on a site project adjacent from this one: Dynamic Delivery was the contractor involved with the clean-up. He said this site already received an NFA. I said, based on the report, the GW condition must be established. He said it might be worth-while to review the reports from the neighboring site, which is also downgradient from this one (closer to the Hudson.) He said to contact a John Houshmand, of Clark Construction, who discovered the tanks during renovation work on the property. - SK08/18/06: Left a message for John Houshmand (917-553-4333). - SK08/22/06: John Houshmand called back. He gave me the contact info for Mary Boone, owner of the gallery. Gallery: 212-753-2929, Cell: 917-861-2929. She is not the property owner of the site, she only rents the space. According to John, contractor for the building and several others nearby, after the abatement of the gasoline tanks, fuel oil tank and sump pit the entire area was covered in concrete and established as the Mary Boone Gallery. He also mentioned the adjacent site which

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S104782023

supposedly has GW wells and may be useful in characterizing the GW condition for this site. I told John I would look into this other site and get back to him, since he regularly deals with the owner. - SK08/29/06: I discussed the site situation with JK. The site needs a GW investigation, unfortunately there is no access to the interior so the MWs need to be placed on the sidewalk next to the former gasoline USTs and oil/water separator pit. Also, a soil boring next to the gasoline fill port will be needed. I called John Houshmand (917-553-4333) and explained what work would need to be done. I also asked him for the property owner's contact info since it is not on file. He will find out, plus he asked about other consultants to do the work since The Whitman company had a falling out with Mary Boone. I said to convince her that he seems like a reputable company based on the report. Letter was sent out asking for two MWs, a soil boring and sub-slab soilgas sampling. Property owner is a Samuel Weinberg. - SK11/09/06: Reassigned from Stephen Kraszewski to Chanda. (Chanda)01/02/07: Kartik Chnada of DEC sent a letter to Property Owner (Mr. Samuel Weinberg), requiring that an additional investigation of GW and additional monitoring wells at the site. A work plan is mandated by 03/02/07 for approval. 01/10/07: Chanda received an e-mail from John Houshmand, Clark Construction Corp. He said that the RP will be retained Long Island Analytical Laboratories (LIAL), Inc. to perform this work. 2/27/07: Chanda received a limited subsurface investigation work plan prepared by LIAL dated on 2/26/07. 2/28/07: Chnada reviewed the limited subsurface investigation work plan. On 2/28/07, the Department conditionally approves this work plan. On 2/28/07, Chanda sent a letter to RP (Samuel Weinberg) and his consultant (John Hushmand), Michael Veraldi (LIAL), requiring that an investigation summary report be submitted to DEC for review by April 16, 2007. 4/19/07: Chnada received a phone call from Michael Veraldi, LIAL concerning the status of the site. He explained to me the cause of the delay on the investigation work report. 4/23/07: Chanda received a letter from Michael Veraldi, LIAL regarding an extension to complete the approved work plan at the site. 4/24/07: Chanda sent a time extension approval letter to the RP (Samuel Weinberg) and his consultant (John Hushmand), Michael Veraldi (LIAL). An Investigation Summary Report must be submitted to the Department by May 4, 2007. (Chanda)5/24/07: Chanda called John Hushmand (Clark Construction Corp.) and Michael Veraldi (LIAL) regarding the investigation Summary Report and present site status. Michael told me all work has been done and he is waiting for analytical results. The report will be submitted to DEC for review by 5/31/07. 6/6/07: On 6/5/07, Chanda received a Limited sub-surface site investigation report prepared by LIAL dated May 30, 2007. 6/8/07: Kartik Chanda of DEC reviewed the limited sub-surface site investigation report regarding this spill. The soil samples, groundwater samples and soil vapor samples showed that results do not exceed our NYSDEC and NYSDOH guideline. Chanda discussed with Joe Sun (NYSDEC) regarding the results of soil, groundwater, and soil vapor samples. Based on the information presented to the Department DEC closed this spill case. 6/11/07: Chanda sent a NFA letter to Samuel Weinberg, Weinberg Properties and his consultants (John Houshmand, and Michael Veraldi) regarding closed this spill case.

Remarks:

while removing tanks contaminated soil found -

Material:

Site ID:

229980

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S104782023

Operable Unit ID: 826450  
Operable Unit: 01  
Material ID: 2125257  
Material Code: 0032A  
Material Name: METHANOL  
Case No.: 00067561  
Material FA: Hazardous Material  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: True  
Site ID: 229980  
Operable Unit ID: 826450  
Operable Unit: 01  
Material ID: 2125258  
Material Code: 2645A  
Material Name: BTEX  
Case No.: Not reported  
Material FA: Oxygenates  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: True  
Site ID: 229980  
Operable Unit ID: 826450  
Operable Unit: 01  
Material ID: 550119  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: True  
Site ID: 229980  
Operable Unit ID: 826450  
Operable Unit: 01  
Material ID: 550118  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: True

Tank Test:

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**T148**  
**SE**  
**1/8-1/4**  
**0.186 mi.**  
**980 ft.**

**ELLIOT HOUSES -NYCHA**  
**426 WEST 27TH DRIVE**  
**NEW YORK, NY**

**NY Spills**    **S107521784**  
**N/A**

**Site 3 of 3 in cluster T**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0511572  
DER Facility ID: 307798  
Facility Type: ER  
Site ID: 357758  
DEC Region: 2  
Spill Date: 1/6/2006  
Spill Number/Closed Date: 0511572 / 1/9/2006  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**19 ft.**

**SWIS:**

Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 1/6/2006  
CID: 444  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/6/2006  
Spill Record Last Update: 2/1/2006  
Spiller Name: BARRY MANDALOME  
Spiller Company: ELLIOT HOUSES  
Spiller Address: 426 WEST 27TH DRIVE  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: BARRY MANDALOME  
Contact Phone: (718) 707-7839  
DEC Memo: Sangesland spoke to Mr Isales of NYC Housing Auth.He said the clean up was completeSpill Closed  
Remarks: MECHANICAL FAILURE ON A PUMP, BASEMENT ONLY: CONTAINED AND NO RELEASE TO ENVIROMENT: CLEANING UP IN PROGRESS

**Material:**

Site ID: 357758  
Operable Unit ID: 1115033  
Operable Unit: 01  
Material ID: 2105085  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 30  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ELLIOT HOUSES -NYCHA (Continued)**

**S107521784**

Tank Test:

**S149**  
**South**  
**1/8-1/4**  
**0.192 mi.**  
**1014 ft.**

**450 W 24TH ST**  
**NEW YORK, NY 10011**

**EDR US Hist Cleaners** **1015062840**  
**N/A**

**Site 4 of 4 in cluster S**

**Relative:**  
**Higher**

EDR Historical Cleaners:

Name: CHELSEA TERRACE CLEANERS INC  
Year: 2008  
Address: 450 W 24TH ST

**Actual:**  
**14 ft.**

Name: CHELSEA TERRACE CLEANERS INC  
Year: 2009  
Address: 450 W 24TH ST

**R150**  
**SSW**  
**1/8-1/4**  
**0.192 mi.**  
**1015 ft.**

**COMMERICAL BUILDING**  
**521 WEST 23RD STREET**  
**NEW YORK, NY**

**NY LTANKS** **S110762281**  
**N/A**

**Site 8 of 9 in cluster R**

**Relative:**  
**Lower**

LTANKS:

Site ID: 444486  
Spill Number/Closed Date: 1010869 / 11/27/2012  
Spill Date: 1/24/2011  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Not reported  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: BKFALVEY  
Referred To: Not reported  
Reported to Dept: 1/24/2011  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 1/24/2011  
Spill Record Last Update: 11/27/2012  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller County: 999  
Spiller Contact: BILL  
Spiller Phone: (212) 307-0500  
Spiller Extention: 226  
DEC Region: 2  
DER Facility ID: 399382

**Actual:**  
**10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COMMERICAL BUILDING (Continued)**

**S110762281**

DEC Memo:

TTF letter was sent to A B C Realty 152 W 57th Street 12th Floor New York, NY 10019 Attn: William Harra TTF in edocs.03/09/11-Hiralkumar Patel. 3:00 PM:- visited site as inspecting property at 535 W 23rd street, a property two doors west from the subject site. met Fraser (917-921-8309), building super. site has building on slab and a photo gallery is located on ground floor. Fraser mentioned that the tank is located somewhere underneath the gallery floor. he mentioned that after the tank system failed the test, tank was drained using supply line connection in boiler room. boiler room is sub-grade and west of the tank location. inspected boiler room wall adjoining the tank location and found no oil staining or seeping. fill port found sealed. Fraser mentioned that management is planning to remove tank and install new tank at the same location. currently, site is using temp. tank. 6/7/11 Spoke to Seth Freedland, attorney representing the tenant, which is an art gallery. Phone: (212)344-1400 ext.202. He requested that they delay the work for the spill closure until July 2011. I would consider it, but would require a plan to do the investigation. He will contact the condo association and e-mail me back. Case has been open since January 2011. bf6/7/11 bf: received the following e-mail: Resending. Below bounced back. Sorry. Seth D. Friedland Friedland Laifer & Robbins, LLP 62 William Street, Third Floor New York, New York 10005 Tel. 212.344.1400 x. 202 Fax 212.344.8735 email: sfriedland@friedlandlaifer.com This message and any attachments are solely for the use of the intended recipient(s). They may contain privileged and/or confidential information, attorney work product or other information protected from disclosure. If you are not an intended recipient, you are hereby notified that you received this email in error and that any review, dissemination, distribution or copying of this email and any attachment is strictly prohibited. If you have received this email in error, please contact the sender immediately and delete the message and any attachment from your system. Thank you for your cooperation. IRS Circular 230 Disclosure: To ensure compliance with requirements imposed by the U.S. Internal Revenue Service, we inform you that any tax advice contained in this communication (including any attachments) is not intended or written to be used, and cannot be used, by any taxpayer for the purpose of (1) avoiding tax-related penalties under the U.S. Internal Revenue Code or (2) promoting, marketing or recommending to another party any tax-related matters addressed herein. From: Seth D. Friedland Sent: Tuesday, June 07, 2011 12:46 PM To: 'bkfalvey@gw.dec.state.ny.us' Cc: Seth D. Friedland Subject: 521 West 23rd Street, NYC -- DEC Spill No. 1010869 - PBS No. 2-304158 Brian: Thanks for taking the time to discuss the above matter this morning. As mentioned, I represent the Steven Kasher Gallery which is the ground level tenant at the condominium building which is the subject of the above PBS case. Our client operates a gallery at the location, and the tank is suspected of being buried under the gallery floor. To accommodate our client's business requirements and to avoid undue disruption of our client's operations, as discussed, I would like to coordinate the proposed tank closure work to be performed during the month of July on a date or dates to be selected. You indicated that you would be amenable to the work being done in July. I will coordinate with the building manager and its consultant in order to propose the schedule of work and let you know. Should you have any questions, of course, please let me know. Thanks again for your assistance. Regards, Seth D. Friedland Friedland Laifer & Robbins, LLP 62 William Street, Third Floor New York, New York 10005 Tel. 212.344.1400 x. 202 Fax

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

COMMERICAL BUILDLING (Continued)

S110762281

212.344.8735email: sfriedland@friedlandlaifer.comThis message and any attachments are solely for the use of the intended recipient(s). They may contain privileged and/or confidential information, attorney work product or other information protected from disclosure. If you are not an intended recipient, you are hereby notified that you received this email in error and that any review, dissemination, distribution or copying of this email and any attachment is strictly prohibited. If you have received this email in error, please contact the sender immediately and delete the message and any attachment from your system. Thank you for your cooperation.IRS Circular 230 Disclosure: To ensure compliance with requirements imposed by the U.S. Internal Revenue Service, we inform you that any tax advice contained in this communication (including any attachments) is not intended or written to be used, and cannot be used, by any taxpayer for the purpose of (1) avoiding tax-related penalties under the U.S. Internal Revenue Code or (2) promoting, marketing or recommending to another party any tax-related matters addressed herein.7/27/11 Received call from Rich Lovato of Advanced Site Restoration. Phone: (646)235-4800 and (212)809-1110. Contractor for gallery owner. Tank passed and lines failed ttt. I told him he needs to delineate contamination. He will send work plan. bf8/14/12 PBS inspection today. Tank is still in use based on the petrometer which shows that there are approximately 1400 gallons of fuel in the tank. NOV issued and sent to William Harra at the above address. PBS settlement conference scheduled for 9/19/12. bf9/19/12 Nopbody appeared for the PBS conference scheduled for today. bf9/25/12 Today, received e-mail response from Riteway, contractor for the facility:Hi Brian, I sent this package back on Sept 27, 2011. I did not follow up with you and thought that you had closed it. I just received another violation from the client dated 8/14/2012 inspection #31107. Please let me know if you need anything else. From: David Chan [mailto:david@petroleumtek.com] Sent: Tuesday, September 27, 2011 3:34 PMTo: 'Brian Falvey'Subject: spill 1010869 Hi Brian, Please find the closure report and supporting documentation for spill # 1010869. If you have any questions please do not hesitate to ask. Best regards, Dave Chan Riteway Tank Maintenance Corp.700 Hicks StreetBrooklyn, NY 11231718-855-7272 phone718-855-7244 faxdavid@petroleumtek.com -----end-----10/1/12 On 9/25/12 received the following e-mail from David Chan of rite-way that also included attachments: site sketch, analytical sample results, closure requerst letter, and ttt tank only test report.-----start-----Hi Brian, I sent this package back on Sept 27, 2011. I did not follow up with you and thought that you had closed it. I just received another violation from the client dated 8/14/2012 inspection #31107. Please let me know if you need anything else.-----end-----On 9/28/12, received the following e-mail from David Chan which included the same attachments as the 9/25/12 e-mail:-----start-----Hi Brian....-----end-----Tank failed because of hole in vent line. Submitted photos show the vent line with a corrosion hole and no visual contamination. Four samples were taken and were below DER- 10 allowances. A tank system test is required to close the spill case. today, responded to Mr. Chan's e-mail with the following:-----start-----David, The spill case can not be closed until the Department receives a passing tightness test for the whole system. The owner needs to correct the following registration information:1. The product stored is #4 oil not #2

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**COMMERICAL BUILDLING (Continued)**

**S110762281**

oil.2.The tank overfill prevention is registered as a gauge. A gauge used for overfill prevention is only applicable to aboveground tanks.3. The tank spill prevention is a catch basin. It is registered as none.4. Pipe secondary containment is blank. The information correction application is attached. There is no fee for this application transaction and an original copy must be submitted (fax or e-mail copies will be returned unprocessed).Brian-----end----- bf11/13/12 received the following e-mail from David Chan:Dear Brian, Please find the final tank and system test verifying the integrity of the system for the spill closure. I am following up with the owner with regards to their PBS. Please let me know if you need anything else for the closure. Thank you in advance. Best regards, David Chan Riteway Tank Maintenance Corp.700 Hicks StreetBrooklyn, NY 11231718-855-7272 phone718-855-7244 faxdavid@petroleumtek.com11/27/12 Based on sampling results, case closed. bf

Remarks: Bill is the realitor of the building.

Material:

Site ID: 444486  
 Operable Unit ID: 1194933  
 Operable Unit: 01  
 Material ID: 2190855  
 Material Code: 0002A  
 Material Name: #4 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Not reported  
 Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**R151  
 SSW  
 1/8-1/4  
 0.195 mi.  
 1030 ft.**

**535 WEST 23RD ST  
 MANHATTAN, NY  
 Site 9 of 9 in cluster R**

**NY Spills S106009194  
 N/A**

**Relative:  
 Lower**

**SPILLS:**

Facility ID: 1011894  
 DER Facility ID: 400656  
 Facility Type: ER  
 Site ID: 445790  
 DEC Region: 2  
 Spill Date: 3/1/2011  
 Spill Number/Closed Date: 1011894 / 8/2/2011  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: HRPATEL  
 Referred To: Not reported  
 Reported to Dept: 3/1/2011

**Actual:  
 9 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106009194

CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/1/2011  
Spill Record Last Update: 8/2/2011  
Spiller Name: VINCE VINCENT  
Spiller Company: BUILDING OWNER-RELATED MANAGEMENT  
Spiller Address: 535 WEST 23RD STREET  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: VINCE VINCENT  
Contact Phone: (212) 255-0769  
DEC Memo: Sangesland spoke to Joe Ostrowski at Riteway Tank. He said this was a leaking fill line. Sidewalk was opened on 3/1/2011 and dig out was started. Dig out should be complete on 3/2/2011. End point samples will be taken, new line installed and a report forwarded to Hiralkumar Patel for review.03/03/11-Hiralkumar Patel.4:02 PM:- spoke with Joe. he mentioned that oil was found coming out from ground by fill port. so they opened sidewalk and found more contamination. fill line runs about 20 ft under sidewalk. they have started cleanup.alternate addresses: 527-541 West 23rd Street, 520-532 West 24th StreetPBS #: 2-032220 and 2-608031PBS #: 2-032220 is unregulated. as per PBS record, site had following tanks:- three 550 gal diesel USTs removed in Nov. 1999- one 550 gal diesel UST closed-in-place in Nov. 1999- six 550 gal gasoline USTs removed in Nov. 1999as per PBS #: 2-608031, site has one 10,000 gal #6 oil AST on legs/saddles. tank installed in Sep. 2002.other spills: 8605564, 9511782, 9513588, 9605688, 9808740, 020831723rd Chelsea Associates, LLC. \*\*property owner\*\*c/o Related Management Corp. \*\*management company\*\*535 West 23rd StreetNew York, NY 10011Attn.: Vincent Butta \*\*property manager\*\*Ph. (212) 255-0769 (917) 349-4663email: vbutta@related.com03/08/11-Hiralkumar Patel.12:21 PM:- received message from Joe from Riteway.3:33 PM:- spoke with Joe. he mentioned that they dug 20 ft long along fill line under the sidewalk. they found leak in fill line close to building foundation wall and contamination in middle of excavation and towards the wall. they dug down to 2 ft depth and found clean soil. while digging more to accomodate new fill line with secondary containment, they found oil by the foundation wall at about 3 ft depth. Joe mentioned that it looks like #4 oil and building at 521 W 23rd street (second building on east of the subject site) has a #4 oil tank and tank system failed test in Jan. 2011. Joe suspect that oil found in excavation by building 535 is from building 521. Joe mentioned that building 521 has an underground tank in building and fill line for next door is more than 60 ft away from the fill line for building 535.as the fill line for building 521 is more than 60 ft away, any oil leaking from that fill line will move down under gravitational force and there is no possibilities (unless some unusual channeling) of that oil travelling perfectly horizontal for about 60 ft and impact building 535. so asked Joe to continue cleanup.3:49 PM:- spoke with Vincent

(Continued)

S106009194

and explained him the above discussion with Joe.03/09/11-Hiralkumar Patel.3:00 PM:- visited site. met Vincent and his supervisor. inspected fill line excavation. found oil at the bottom of excavation along the building foundation wall. found oil stain on foundation from from the fill line location to the bottom of excavation. also found some oil seeping into excavation along curb line where fill box was located. fill line for building 521 is about 70 ft away from the fill line excavation at building 535.inspected building 521. met Fraser (917-921-8309), super for building 521. site has building on slab and a photo gallery is located on groundfloor of building 521. Fraser mentioned that the tank is located somewhere underneath the gallery floor. he mentioned that after the tank system failed the test, tank was drained using supply line connection in boiler room. boiler room is sub-grade and west of the tank location (between the tank and building 535). inspected boiler room wall adjoining the tank location and found no oil staining or seeping.based on distance between the two fill lines and observation in the boiler room at building 521, asked Vincent to continue cleanup. asked him to continue excavation until find the clean soil in the area along the building foundation wall as well as around former fill box area.03/10/11-Hiralkumar Patel.1:15 PM:- sent letter to Vincent requiring endpoint samples. letter emailed to Vincent and Anthony.03/18/11-Hiralkumar Patel.10:25 AM:- spoke with Anthony. he mentioned that they found clean soil by the curb line. he also mentioned that owner has hired an environmental consultant and they are planning for soil borings along the foundation wall.12:34 PM:- spoke with Mr. Butta. he mentioned that Fleming-Lee Shue has been hired for soil delineation and they are on-site right now installing borings.12:37 PM:- spoke with Matthew from Fleming-Lee Shue, who is at the site currently. they are installing boring for visual/olfactory delineation of contamination. they will not collect any soil samples from borings, as owner is planning for further excavation. Matthew will collect endpoint soil samples from fill line excavation which is clean now.Matthew CarrollFleming-Lee ShuePh. (212) 675-3225 (201) 344-8510 (646) 841-3100 (C) Fax (212) 675-3224 email: matthew@flemingleeshue.com03/29/11-Hiralkumar Patel.4:49 PM:- received email from FLS including delineation report. due to the proximity of the spill to the building's foundation wall, and the presence of large glass windows on the first floor, a geoprobe or drill rig could not be utilized for soil borings, so a handheld core/hammer drill fitted with 3-inch diameter hollow stem auger was used to obtain soil samples, which allowed the delineation of the spill from within the trench. three soil probes (V1 through V3) were advanced through the base of the trench in order to vertically delineate the contamination and four soil probes (H1, H2, H3-1 and H3-2) were advanced horizontally within the trench sidewalls to delineate the spill to the east and west.the delineation report is missing the site map.04/06/11-Hiralkumar Patel.1:22 PM:- left message for Matt at Fleming-Lee to submit missing map in the delineation report.1:24 PM:- left message for Mr. Butta inquiring updates.04/07/11-Hiralkumar Patel.9:28 AM:- received message from Mr. Butta.04/08/11-Hiralkumar Patel.10:39 AM:- spoke with Mr. Butta. he mentioned that due to rainy days recently, they did not perform any cleanup but Riteway will resume cleanup on 04/11/11. asked Mr. Butta to call to schedule a site inspection once cleanup done and before any backfilling.04/15/11-Hiralkumar Patel.10:32 AM:- received message from Matt from FLS. he mentioned that excavation area towards the

(Continued)

S106009194

fill port is clean and property manager wants to backfill that area to restore the sidewalk.4:11 PM:- left message for Matt.04/19/11-Hiralkumar Patel.9:24 AM:- received message from Matt requesting a site visit.10:39 AM:- spoke with Matt and schedule a site visit today at 4 PM.04/20/11-Hiralkumar Patel.3:45 PM:- visited site. met with Matt and Mr. Butta. inspected excavation. found clean soil in excavation bottom and sidewalls towards east. deepest excavation was right underneath the previous line area. some rain water was accumulated in the deepest spot and no oil sheen observed on that water. the west side of excavation, along the building foundation wall, is still contaminated with free product. no further excavation possible as excavation bottom is at the bottom of foundation footing. as no further excavation possible, asked Matt to delineate the contamination horizontally and vertically. also asked him to collect groundwater sample via boring in the excavation. informed Mr. Butta that even with clean soil before reaching water table, the department requires collection of water sample to confirm no dissolved in it as there might be unknown amount of oil under the building as contamination in west most corner is below footings. informed Mr. Butta that if any contamination found in groundwater sample, then further investigation is required. during site visit, found an old well in middle of sidewalk. asked Matt to check this well to see if it is still working. asked Matt to collect endpoint samples from excavation along the wall and to analyze all soil and groundwater samples via 8260 and 8270. based on observations during the site visit and information provided till date, approved Mr. Butta's request to backfill the excavation except in area where contamination still exists.06/27/11-Hiralkumar Patel.1:41 PM:- received report from F&N. abstract:- free product observed to the northwest of the existing excavation below the foundation of the building- petroleum was delineated horizontally and vertically via installation of two soil probes (DB-1 and DB-2)- first observed 'non-impacted' areas, with the corresponding PID readings of 0 ppm, were encountered within the first five ft of the installed boring- total of six endpoint samples were collected from excavation, including the western sidewall of the trench and from the extent of the excavation along the building (bottom, east and south)- one 1-inch groundwater temporary well was installed to a depth of 16 ft bg- gauging of the well confirmed the depth to groundwater at 11 ft bg <----- at the deepest vertical extent, the petroleum-impacts extended only to approx. 9 ft bg- while non-continuous sheen was observed on the groundwater, there was no petroleum odor <----- existing monitoring well on sidewalk was investigated, it appears to have been permanently decommissioned- total of 11.85 tons of petroleum-impacted soil was removed- volume of the left-in-place soil is estimated as less than 0.6 cubic yard- as no further excavation was possible, excavation was backfilled- found minor SVOC contamination in sample SW-Middle only (max 1940 ppb)06/29/11-Hiralkumar Patel.4:28 PM:- sent email to Matt and asked to submit detailed boring logs for borings DB-1 and DB-2. also asked to submit information about what is inside building near the foundation wall where contamination exists under the foundation.07/07/11-Hiralkumar Patel.3:06 PM:- received revised report from Alana Barnnon from FLS. report included boring logs. as the building has a slab-on-grade foundation with no basement therefore soil cannot be removed without undermining the building foundation.07/18/11-Hiralkumar Patel.12:41 PM:- left message for

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106009194

Alana Brannon, a new project manager at Fleming Lee Shue (Matt no longer working in FLS). Ms. Brannon is on vacation till next week. Alana Brannon Project Manager, Geologist Fleming Lee Shue, Inc. Ph. (212) 675-3225 Fax (212) 675-3224 email: alana@flemingleeshue.com 07/25/11-Hiralkumar Patel. 9:38 AM:- received call from Alana. asked her about boring depths. she mentioned that borings DB-1 and DB-2 were installed through the excavation bottom. she also mentioned that sidewalk flags were not removed from the area above western end of the excavation. asked her to send email explaining this. 10:40 AM:- received email from Alana confirming that borings DB-1 and DB-2 were installed through excavation bottom. 08/02/11-Hiralkumar Patel. after discussing with DEC Austin, case closed as #6 oil contamination contained in small area under the building foundation footings which can not be removed via excavation and no impacts to groundwater.

Remarks: FILL LINE LEAKING TO SOIL, CLEANUP PENDING.

Material:

Site ID: 445790  
Operable Unit ID: 1196170  
Operable Unit: 01  
Material ID: 2192434  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 0208317  
DER Facility ID: 73385  
Facility Type: ER  
Site ID: 78903  
DEC Region: 2  
Spill Date: 11/12/2002  
Spill Number/Closed Date: 0208317 / 6/23/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: RWAUSTIN  
Referred To: Not reported  
Reported to Dept: 11/12/2002  
CID: 270  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106009194

UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/12/2002  
Spill Record Last Update: 6/23/2003  
Spiller Name: JUAN FIGAROLLA  
Spiller Company: JUAN FIGAROLA  
Spiller Address: 535 WEST 23RD ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: JUAN FIGAROLLA  
Contact Phone: (212) 255-0760  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "AUSTIN" CALLED ISAAC MUNGRA- AT 8:25AM WHO CONFIRMED HOT SPILL IS IN CONCRETE CONTAINMENT AREA. CLEAN-UP CREW ON THE WAY. WILL CALL BACK WITHIN 2 HOUR TO GIVE UP-DATE ON CLEAN UP. CALLED MR. JUAN FIGOROLLA AT 8:34AM WHO CONFIRMED THAT 40 GALLONS OF #6 OIL HAS SPILLED IN CONTAINMENT AREA. CLEAN UP ON THE WAY. 3:23PM SPOKE TO JUAN AT 212-255-0760. CLEAN UP ALMOST FINISH. HE WILL CALL DUTY DESK SHEN CLEAN UP COMPLETE. 6/23/03 - AUSTIN - SPILL CLOSED OUT, BASED UPON ABOVE STATEMENTS AND MINOR NATURE OF THE EVENT - END

Remarks: ruptured filter box caused spill

Material:

Site ID: 78903  
Operable Unit ID: 859788  
Operable Unit: 01  
Material ID: 515324  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

X152 HELIPORT W 30TH ST/MANH  
East HELIPORT/W.30TH ST & 12TH  
1/8-1/4 NEW YORK CITY, NY  
0.198 mi.  
1046 ft. Site 2 of 2 in cluster X

NY LTANKS S100145501  
N/A

Relative:  
Higher

LTANKS:

Site ID: 116887  
Spill Number/Closed Date: 8903684 / Not Closed  
Spill Date: 7/13/1989  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported

Actual:  
24 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HELIPORT W 30TH ST/MANH (Continued)**

**S100145501**

Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: TJDEMEO  
Referred To: Not reported  
Reported to Dept: 7/13/1989  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 1  
Date Entered In Computer: 7/14/1989  
Spill Record Last Update: 8/24/2012  
Spiller Name: Not reported  
Spiller Company: PORT AUTHORITY  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller County: 999  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 101690  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MILLER"DEC SIGONA REASSIGNED TO MILLER ON 1/23/983/5/10 - Austin - Reassigned as TTF to Jake Krimgold for further investigation. - end08/13/12 - LZ As Randy Austin requested, the spill has been reassigned to Tim DeMeo8/24/12 TJDSpill cross-referenced to PBS#.  
Remarks: 550 GALLON TANK FAILED HORNER EZY CHECK WITH A LEAK RATE OF .179GPH, TANK #8, PARTIALLY PUMPED OUT TANK, WILL FINISH PUMPING TANK LATER TODAY.

Material:  
Site ID: 116887  
Operable Unit ID: 931312  
Operable Unit: 01  
Material ID: 447763  
Material Code: 0011  
Material Name: Jet Fuel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 116887  
Spill Tank Test: 1535707  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HELIPORT W 30TH ST/MANH (Continued)**

**S100145501**

Modified By: Spills  
 Last Modified: 10/1/2004  
 Test Method: Unknown

**Y153**  
**South**  
**1/8-1/4**  
**0.200 mi.**  
**1055 ft.**

**EPGR REALTY LLC**  
**449 WEST 24TH ST**  
**NEW YORK, NY**

**NY Spills S109415461**  
**N/A**

**Site 1 of 6 in cluster Y**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**15 ft.**

Facility ID: 0812516  
 DER Facility ID: 359375  
 Facility Type: ER  
 Site ID: 410137  
 DEC Region: 2  
 Spill Date: 2/16/2009  
 Spill Number/Closed Date: 0812516 / Not Closed  
 Spill Cause: Equipment Failure  
 Spill Class: Not reported  
 SWIS: 3101  
 Investigator: hrpatel  
 Referred To: Not reported  
 Reported to Dept: 2/16/2009  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 1  
 Date Entered In Computer: 2/16/2009  
 Spill Record Last Update: 1/27/2010  
 Spiller Name: PREM RAMCHANDANI  
 Spiller Company: EPGR REALTY LLC  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: UNKNOWN  
 Contact Phone: (212) 627-3569  
 DEC Memo: 02/17/09-Hiralkumar Patel. spoke with Ms. Umana (at 7:15 PM on 02/16/09). Petro service man went for routine service at the site and noticed stain on surface near foundation wall. no active leak observed. suspecting leak from fill line.02/19/08-Hiralkumar Patel. visited site. met Nancy Weper (212-675-5862), tenant who occupies first floor and basement. tank is located in sub-basement. Ms. Weper complained about petroleum odors from sub-basement. inspected sub-basement. found no petroleum odors. found stain on foundation wall where fill line enters into sub-basement. no petroleum smell at stain also. no leak from tank. Ms. Weper mentioned that Petro guy smelled petroleum at stain on foundation wall.02/20/09-Hiralkumar Patel. spoke with Ms. Weper (at 2:40 PM). Ms. Weper mentioned that Petro is at the site doing line repair.spoke with Prem Ramchandani, building owner. he mentioned that leak was found in fill line near

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**EPGR REALTY LLC (Continued)**

**S109415461**

foundation wall area and Petro is correcting problem. Mr. Ramchandani doesn't know whether Petro replacing entire fill line or putting new fill line at different location. Mr. Ramchandani will ask Petro to call with answer. EPGR Realty \*\*building owner\*\* 511 6th Avenue, Suite 149 New York, NY 10011 Attn.: Prem Ramchandani Ph. (212) 620-0170 (O) (646) 734-4440 (C) email: pramch@earthlink.net Christian Bucal \*\*building super\*\* Ph. (718) 501-9888 02/23/09-Hiralkumar Patel. left message for Don Palumbo (718-628-3324) at Petro. 02/25/09-Hiralkumar Patel. spoke with Mr. Ramchandani (1:35 PM) regarding work done at the site. he will ask petro to call back with updates, by end of today. received call from Don (1:50 PM) from Petro. they cut fill line in basement connected to new fill port. old fill pipe portion under sidewalk was not investigated. sent letter to Mr. Ramchandani requiring endpoint soil samples along old fill line. letter emailed to Mr. Ramchandani. 03/23/09-Hiralkumar Patel. left message for Mr. Ramchandani. 04/23/09-Hiralkumar Patel. left message for Mr. Ramchandani. 08/14/09-Hiralkumar Patel. 9:22 AM:- left message for Mr. Ramchandani. 12/17/09-Hiralkumar Patel. building owner's address from ACRIS: EPGR Realty, LLC. 620 Lumber Lane Bridgehampton, NY 11932 sent letter to EPGR Realty (via certified mail: 7008 1140 0002 8377 9803) at Bridgehampton address requiring endpoint samples from previous fill line area. 01/07/10-Hiralkumar Patel. 1:17 PM:- letter came back undelivered as insufficient address. DEC requires: 1) soil investigation under sidewalk along old fill line stain only, outside near foundation/no leak at this time...only seems to leak during fuel deliv.

Remarks:

Material:

Site ID: 410137  
 Operable Unit ID: 1166636  
 Operable Unit: 01  
 Material ID: 2158087  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Not reported  
 Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**U154  
 NE  
 1/8-1/4  
 0.202 mi.  
 1067 ft.**

**WEST SIDE YARD LIRR  
 10TH BTWN 33RD AND 30TH  
 MANHATTAN, NY  
 Site 4 of 5 in cluster U**

**NY Spills S110488814  
 N/A**

**Relative:  
 Higher**

SPILLS:  
 Facility ID: 1004097  
 DER Facility ID: 392312  
 Facility Type: ER  
 Site ID: 437355  
 DEC Region: 2  
 Spill Date: 7/13/2010

**Actual:  
 22 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST SIDE YARD LIRR (Continued)**

**S110488814**

Spill Number/Closed Date: 1004097 / 9/21/2010  
Spill Cause: Equipment Failure  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: RVKETANI  
Referred To: Not reported  
Reported to Dept: 7/13/2010  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/13/2010  
Spill Record Last Update: 9/21/2010  
Spiller Name: ALBERT ALBANO  
Spiller Company: LONG ISLAND RR  
Spiller Address: 10TH BTWN 33RD AND 30TH  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: ALBERT ALBANO  
Contact Phone: (516) 523-0894  
DEC Memo:

07/13/10 - DEC Piper spoke with Al Albano (347) 494-6020 of LIRR. Contractor spilled dielectric fluid around pad when changing gaskets. Leak occurred overnight and found this am. ABC tank en route with vactor. They will excavate and collect at least 1 endpoint. Results will be sent to DEC Ketani.9/21/10 - Raphael Ketani. I received the 9/9/10 remediation report for the spill from Mr. Albano of the LIRR. I reviewed the report. Based upon the data and pictures contained therein, I determined that the spill had been cleaned up.As the spill had been cleaned up and as the data in the remediation report indicated that there were no PCBs or oil left in the soil, I have determined that the spill poses little or no threat to the public or the environment. Therefore, I am closing the spill case.

Remarks: Gasket failure onto soil. Clean up enroute today.

Material:  
Site ID: 437355  
Operable Unit ID: 1188033  
Operable Unit: 01  
Material ID: 2182926  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST SIDE YARD LIRR (Continued)

S110488814

Tank Test:

U155  
NE  
1/8-1/4  
0.202 mi.  
1067 ft.

WEST SIDE YARD  
10TH AVE BETWEEN 31 AND 33 ST  
MANHATTAN, NY

NY Spills S110540912  
N/A

Site 5 of 5 in cluster U

Relative:  
Higher

Actual:  
22 ft.

SPILLS:

Facility ID: 1007207  
DER Facility ID: 395605  
Facility Type: ER  
Site ID: 440602  
DEC Region: 2  
Spill Date: 10/5/2010  
Spill Number/Closed Date: 1007207 / 10/14/2010  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS:

Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 10/5/2010  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/5/2010  
Spill Record Last Update: 10/14/2010  
Spiller Name: Not reported  
Spiller Company: LIRR  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: AL ALBANO  
Contact Phone: Not reported  
DEC Memo: Sangesland spoke to Al Albano. Spill from a locomotive into a series of floor drains in Penn Station. They are working on cleaning the spill and will report back on 10/6/201010/8/10 Sangesland received this e-mail from Al Albano:The following provides details on how the above-referenced spill occurred and what was done to clean it up. Attached are the waste manifests for the removal/disposal of impacted material. Spill SummaryOctober 5th, at approximately 11 AM, a compressor line on locomotive # 514 failed while it was parked at the west end of 18-Track at the LIRR's West Side Yard. West Side Yard is located in between 10th and 12th Avenue between 31st and 33rd Streets, in Manhattan. Lubricating oil from the ruptured line flowed into a retention tank on the underside of the locomotive until it overflowed the tank. Approximately 15 - 20 gallons of oil spilled onto concrete (under the tracks) and then into an adjacent storm

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST SIDE YARD (Continued)**

**S110540912**

drain. Upon discovery (within minutes of when the spill occurred), granular oil absorbent was spread over the spill area and into the catch basin to prevent the oil from migrating. In addition, several catch basins that were located "down-stream" of the initial catch basin were inspected to determine if the oil had spread through the piping network. Based on the inspection, it was determined that the oil (mixed with water) had been carried through a number catch basins to the south, before terminating in the line prior to reaching the catch basin at 4-Track. A catch basin at 11-Track that was readily accessible was plugged with absorbent pads to restrict the passage of any additional oil downstream. The storm drain on 4-Track is the next to last drain on the property and it was also plugged with oil absorbent pads to catch any oil that got through the plugged storm drain at 11-Track. When the LIRR's environmental cleanup contractor arrived (approximately 3:30) they cleaned up the used granular absorbent that was spread at the scene of the spill at 18-Track. They also plugged the outlet pipe in the storm drain on 4-Track with oil absorbent booms and removed/disposed the used pads from the storm drains at 4 and 11-Tracks. Starting at the storm drain at 18-Track, drains were flushed using a fire hose to push the oil all the way to the drain at 4-Track. As these drains were being flushed a pump truck was sucking up all the oil and water coming through the drainage system. The flushing continued in each storm drain until there was no visible oily sheen on the water. Oily sand at the bottom of the drain at 4-Track was removed. The outlet pipe boom was then removed in the drain at 4 -Track and placed on the bottom of the drain at 4-Track to catch any stray bits of oil. This boom will be removed at a later date. A total of 1,090 gallons of oily water were sucked out of the drains during the flushing and 600 hundred pounds of oil soaked debris (pads, granular absorbent and miscellaneous material pre-existing in the catch basins) were removed. As mentioned above, copies of the waste manifests are attached. There was no rain during the cleanup effort to overwhelm the drainage system and no oil left the property. Based on the information provided above, it is requested that this spill be closed by the Department. If you have any questions or need any additional information, please don't hesitate to contact me. Thank you, Albert S. Albano  
Long Island Rail Road  
Not reported

Remarks: spill to paved area/also impacted catch basin/ clean up crew en route

Material:

Site ID:	440602
Operable Unit ID:	1191211
Operable Unit:	01
Material ID:	2186333
Material Code:	0013
Material Name:	Lube Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**Z156**  
**SSW**  
**1/8-1/4**  
**0.203 mi.**  
**1071 ft.**

**543 TO 547 W. 23RD ST.**  
**543-547 W. 23RD ST.**  
**NEW YORK, NY**  
**Site 1 of 10 in cluster Z**

**NY Spills**    **S102144256**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

**Actual:**  
**9 ft.**

Facility ID: 8605848  
DER Facility ID: 87360  
Facility Type: ER  
Site ID: 98147  
DEC Region: 2  
Spill Date: 12/15/1986  
Spill Number/Closed Date: 8605848 / 12/16/1986  
Spill Cause: Unknown  
Spill Class: Not reported  
SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 12/15/1986  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Fire Department  
Cleanup Ceased: 12/16/1986  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/8/1987  
Spill Record Last Update: 6/11/2003  
Spiller Name: Not reported  
Spiller Company: UNK  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*UPDATE\*\*\*, ZZ  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"refer to 9704542.  
Remarks: # 2 FUEL OIL IN BASEMENT SEEMS TO BE SEEPING THROUGH WALL FD CALLED DEP

**Material:**

Site ID: 98147  
Operable Unit ID: 903226  
Operable Unit: 01  
Material ID: 475003  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

543 TO 547 W. 23RD ST. (Continued)

S102144256

Tank Test:

Z157  
SSW  
1/8-1/4  
0.203 mi.  
1072 ft.

EDISON PARKING GARAGE  
527 WEST 23RD ST  
NY, NY

NY LTANKS S104277387  
N/A

Site 2 of 10 in cluster Z

Relative:  
Lower

LTANKS:

Actual:  
9 ft.

Site ID: 103493  
Spill Number/Closed Date: 9808740 / 5/27/2004  
Spill Date: 10/14/1998  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: KMFOLEY  
Referred To: Not reported  
Reported to Dept: 10/14/1998  
CID: 270  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 10/14/1998  
Spill Record Last Update: 8/10/2005  
Spiller Name: FRANK BROCKERAHOFF  
Spiller Company: EDISON PARKING GARAGE  
Spiller Address: 527 WEST 23RD ST  
Spiller City,St,Zip: NY, NY  
Spiller County: 001  
Spiller Contact: FRANK BROCKERAHOFF  
Spiller Phone: (516) 921-9393  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 297702  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "K  
FOLEY"SEE ALSO 86-05564, 95-11782, 96-05688.5/27/04 Reassigned from  
Tibbe to K Foley. Remediation work to be performed under spill  
#96-05688.  
Remarks: POSS REMOTE

Material:

Site ID: 103493  
Operable Unit ID: 1069928  
Operable Unit: 01  
Material ID: 316229  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDISON PARKING GARAGE (Continued)**

**S104277387**

Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 103493  
Spill Tank Test: 1546388  
Tank Number: Not reported  
Tank Size: 8000  
Test Method: 14  
Leak Rate: 0  
Gross Fail: F  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: VacuTest

**Z158**  
**SW**  
**1/8-1/4**  
**0.204 mi.**  
**1075 ft.**

**555 WEST 23RD ST**  
**555 WEST 23RD ST**  
**NEW YORK, NY**  
**Site 3 of 10 in cluster Z**

**NY Spills S102663312**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**  
Facility ID: 9704542  
DER Facility ID: 169604  
Facility Type: ER  
Site ID: 203962  
DEC Region: 2  
Spill Date: 3/4/1997  
Spill Number/Closed Date: 9704542 / 4/3/2006  
Spill Cause: Unknown  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**8 ft.**

**SWIS:**  
Investigator: SKCARLSO  
Referred To: CONSOLIDATED WITH 03-06399  
Reported to Dept: 7/16/1997  
CID: 267  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/16/1997  
Spill Record Last Update: 4/3/2006  
Spiller Name: Not reported  
Spiller Company: RATHE PRODUCTION INC  
Spiller Address: 555 WEST 23RD ST  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**555 WEST 23RD ST (Continued)**

**S102663312**

Contact Name: UNKNOWN  
 Contact Phone: (000) 000-0000  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "M TIBBE" transferred from signona to tibbe on 9/26/02. see also 8605848 and 0306399.3/19/04 (K Foley) Received 12/17/03 Spill Remediation Plan for spill #0306399 from Fleming Lee Shue. Report references tank no. 1, a 500gal #2 fuel oil tank, in the northeast corner of the site (and not related to spill #0306399). The soils beneath the tank were screened with a PID and no volatile were detected. Five post-ex samples were collected for VOC/SVOC. No VOCs detected. Several PAHs detected in all five samples, so further excavation was conducted and five additional post-ex samples were collected and analyzed for TCLP PAHs using the STARs list of analytes. These soil samples had no detectable PAHs. This may indicate that the PAHs are due to asphalt and fill material rather than fuel oil. The final data from the post-ex sampling for this tank will be submitted along with the tank closure report for the other five USTs once the additional excavation can be conducted safely without damaging the adjacent building to the northwest. letter to be sent 3/23/06: Case reassigned to Andersen. The UST closure reports were not received. 4/3/06: Consolidated with 03-06399.

Remarks: unknown amount of spill unknown reason from underground storage tanks

Material:  
 Site ID: 203962  
 Operable Unit ID: 1050412  
 Operable Unit: 01  
 Material ID: 333803  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

Z159  
 SW  
 1/8-1/4  
 0.204 mi.  
 1075 ft.

555 W 23RD ST  
 NEW YORK, NY 10011  
 Site 4 of 10 in cluster Z

EDR US Hist Cleaners 1015075090  
 N/A

Relative:  
 Lower  
 Actual:  
 8 ft.

EDR Historical Cleaners:  
 Name: LEES DRY CLEANING  
 Year: 2010  
 Address: 555 W 23RD ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

Z160  
SSW  
1/8-1/4  
0.204 mi.  
1077 ft.

**MENDON LEASING**  
**527 WEST 23RD STREET**  
**NEW YORK, NY 10011**  
**Site 5 of 10 in cluster Z**

**NY LTANKS** **S104275477**  
**NY Spills** **N/A**

**Relative:**  
**Lower**

LTANKS:

**Actual:**  
**9 ft.**

Site ID: 301566  
Spill Number/Closed Date: 8605564 / 12/3/1986  
Spill Date: 12/3/1986  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Not reported  
Cleanup Ceased: 12/3/1986  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 12/3/1986  
CID: Not reported  
Water Affected: GROUND WATER  
Spill Notifier: Affected Persons  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 12/6/1986  
Spill Record Last Update: 8/10/2005  
Spiller Name: Not reported  
Spiller Company: MENDON LEASING  
Spiller Address: 527 W. 23 ST.  
Spiller City,St,Zip: NEW YORK, NY 12211  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 197  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"10/10/95: This is additional information about material spilled from the translation of the old spill file: UNK AMT. SPILLED REFER TO 96-05688. SEE ALSO 95-11782 AND 98-08740.  
Remarks: ONGOING FOR APPROX. 5 MONTHS & GROUND APPEARS TO BE SATURATED NEAR HUDSON RIVER. REPORTED BY USCG(PO BLYDEN)(212)668-7920

Material:

Site ID: 301566  
Operable Unit ID: 902510  
Operable Unit: 01  
Material ID: 474740  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MENDON LEASING (Continued)**

**S104275477**

Tank Test:

Site ID: 216215  
Spill Number/Closed Date: 9513588 / 2/22/2001  
Spill Date: 1/26/1996  
Spill Cause: Tank Test Failure  
Spill Source: Tank Truck  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 1/26/1996  
CID: 349  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 1/26/1996  
Spill Record Last Update: 8/10/2005  
Spiller Name: TOM FASINI  
Spiller Company: MENDEN LEASING  
Spiller Address: 523 W 23RD ST  
Spiller City,St,Zip: NY, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: (212) 675-8906  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 197  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"TRANSFERED FROM O'DOWD TO TIBBE ON 02/22/01. REFER TO 96-05688. SEE ALSO 95-11782, 98-08740, 86-05564.  
Remarks: tested w/water - visual leak - 5 tanks all 550 gallons/ possibilityof a 6th tank that is buried

Material:

Site ID: 216215  
Operable Unit ID: 1028074  
Operable Unit: 01  
Material ID: 357304  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MENDON LEASING (Continued)**

**S104275477**

Tank Test:

Site ID: 216215  
Spill Tank Test: 1544374  
Tank Number: 1-5  
Tank Size: 550  
Test Method: 01  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Petro-Tite/Petro Comp

Site ID: 301889  
Spill Number/Closed Date: 9511782 / 5/27/2004  
Spill Date: 12/18/1995  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Cleanup Ceased: Not reported

Cleanup Meets Standard: False

SWIS: 3101

Investigator: KMFOLEY

Referred To: Not reported

Reported to Dept: 12/18/1995

CID: 311

Water Affected: Not reported

Spill Notifier: Tank Tester

Last Inspection: Not reported

Recommended Penalty: False

UST Involvement: True

Remediation Phase: 0

Date Entered In Computer: 12/18/1995

Spill Record Last Update: 8/10/2005

Spiller Name: TOM MASINI

Spiller Company: MENDON LEASING CORP

Spiller Address: 362 KINGSLAND AV

Spiller City,St,Zip: BROOKLYN, NY

Spiller County: 001

Spiller Contact: RICH RICTHO

Spiller Phone: (212) 675-8906

Spiller Extention: Not reported

DEC Region: 2

DER Facility ID: 197

DEC Memo: 8/15/96 SEE ALSO 96-05688, 98-08740, 86-05564. (MARK TIBBE)SPILL  
ORIGINALLY ASSIGNED TO MARTINKAT - FILE TRANSFERRED TO MULQUEEN.  
TRNSFERED TO TIBBE ON 2/12/01.4/12/04-Vought-Spill transferred from  
Tibbe to Rommel as per Rommel.4/19/04 Reassigned from Rommel to K.  
Foley. 5/27/04 Remediation work to be performed under spill #96-05688.  
Not reported

Remarks: TEST CONDUCTED AND RESULTS RECORDED.

Material:

Site ID: 301889  
Operable Unit ID: 1022460

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MENDON LEASING (Continued)**

**S104275477**

Operable Unit: 01  
Material ID: 359107  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

**Tank Test:**

Site ID: 301889  
Spill Tank Test: 1544328  
Tank Number: 1-4  
Tank Size: 550  
Test Method: 01  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Petro-Tite/Petro Comp

**SPILLS:**

Facility ID: 9605688  
DER Facility ID: 353585  
Facility Type: ER  
Site ID: 301890  
DEC Region: 2  
Spill Date: 8/2/1996  
Spill Number/Closed Date: 9605688 / 9/22/2008  
Spill Cause: Housekeeping  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: jamaison  
Referred To: NFA  
Reported to Dept: 8/2/1996  
CID: 266  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/2/1996  
Spill Record Last Update: 9/22/2008  
Spiller Name: Not reported  
Spiller Company: MENDON LEASING  
Spiller Address: 527 WEST 23RD STREET  
Spiller City,St,Zip: MANHATTAN, NY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MENDON LEASING (Continued)**

**S104275477**

Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: SEE ALSO 86-05564, 95-11782, 98-08740, 95-13588.4/12/04-Vought-Spill transferred from Tibbe to Rommel as per Rommel.4/19/04 Reassigned from Rommel to K Foley.5/24/04 Tibbe received voicemail from Curt Schmidt, Fleming Lee Shue (212-675-3225). Replacing AKRF.5/27/04 Added diesel and #2FO to material spilled to address spills #9808740 and 9511782. Spoke to C. Schmidt. Will set up a site meeting next week. 555 W 23th St(spill #0306399), the Tate building, is adjacent to Mendon property which has a system installed on the first floor (no basement). 6/3/04 Set up meeting with A. Fleming for Monday, 6/7. A. Fleming (office 212-675-3225, cell 917-885-1475). 6/7/04 Met with A. Fleming. System located inside Tate has not been in operation. Arnie needs to look into system manufacturer data to see if they can make changes to the system. Wells haven't been sampled since AKRF lost the job. Will arrange to have wells sampled.7/15/04 Received call from C. Schmidt, FLS. Wells will be sampled 7/19-7/20. FLS still looking into making changes to existing system.9/21/04 Spoke with Mohammed Ahmed, Fleming Lee Shue (917-612-6018). He was previously with AKRF. Would like to present all data and propose NFA. He will need to FOIL the file to get AKRF data.10/13/04 Received summary from FLS proposing closure of site.Background:Site is currently a luxury apartment building with art galleries on the ground floor. The site was historically used for freight transportation and warehouse facilities. The Hudson River is approx 0.25mi to the west. Site was mainly used as a truck rental, fueling and maintenance yard. Hertz formerly occupied the site and built a two-story garage in 1963. Hertz installed six 550gal gas USTs in the adjacent parking area located along 24th Street. Hertz also installed a gas distribution system with 4 dispensers. In 1965, Hertz installed four additional 550gal diesel USTs and a separate dispenser. One 7500gal heating oil tank was installed in the SW portion of the building.CMCR, LTD acquired the site from Hertz and also used the site as a truck rental/leasing facility. In 1985, the site was leased to Mendon Leasing Corp. Mendon reported four spills, 9511782(diesel), 9513588(gas), 9605688(gas), 9808740(#2FO). Costco Wholesale purchased the site in 1998 in anticipation of zoning that would allow a retail development at the site and closed the fuel and gas tanks in place. In July 2000, the Related Companies purchased the property and built the current apartment building that covers the site.Tank testing:In July 1990, Mendon was issued an NOV from the FDNY for failing to do the 10yr tightness testing on the six gas tanks.In March 1991, Mendon has all the gas and diesel tanks tested. The gas tanks passed but the diesel tank failed. The diesel tank was repaired and passed retest.In 1993, the heating oil tank was tested and passed.In 1995, the diesel tanks were tested again and failed. The contents were emptied in 5/96 and filled with polyurethane foam.In Feb 1997, the gas tanks were also emptied and filled with water.Previous Investigations:Several investigations were conducted between 1993 and 2001. ES Engineering did work on behalf of Greyhound Lines. ERM Northeast did work for DEC. AKRF did work for Costco and Related.Soil and GW has been impacted by on-site releases of petroleum and possibly also off-site sources. Areas within the parking lot on the north side of the former two-story garage building and inside the building, in the vicinity of the heating oil tank, contained free product in soils and GW. Free product in the former parking lot ranged from 0.08 to 1.63'. Free

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MENDON LEASING (Continued)**

**S104275477**

product found inside the former garage building was as thick as 4'. Dissolved-phase VOCs were also detected in GW as high as 5408ppb. No SVOCs were detected. Soil/GW interface is located at approx 8'bgs, flowing west toward Hudson. GW is not tidal. Bedrock approx 63'bgs, sloping S-SW. Remedial Actions: In Dec 1999, four 550gal diesel USTs and six 550gal gas USTs were removed from beneath the open parking lot. The heating oil tank was removed in Oct 2000. Approx 1000 tons of grossly contaminated soils were excavated and disposed of. The free product appeared on the groundwater surface and removed with absorbant pads. The excavations were left open to monitor for free product. No additional free product was observed and excavations were backfilled. No post-ex sampling was completed. The Department issued a letter on 2/12/01 with comments. A remedial workplan consisting of an in-situ remediation for soil and GW using SVE and bioremediation was presented and approved by the Dept. In March-April 2001, six geoprobes were completed. NMW-1 showed total BTEX in GW at 275400ppb, NWM-2 at 156200ppb, and NMW-4 at 1330ppb. Insufficient GW was recovered from NMW-3 and NMW-5. NMW-6 was non-detect. In October 2000, an SVE pilot was performed. An underslab SVE system was designed and installed to remove residual VOCs and to add atmospheric oxygen to allow bioremediation to occur. Air extracted from below the slab was carbon treated before venting to the roof. A vapor barrier was installed beneath the slab. Operation of the system began August 2002 and operated thru August 2003 for 1615hrs. VOCs, carbon dioxide, oxygen and moisture levels were monitored before the input and at the output of the carbon canisters. System inspection and monitoring were conducted daily for the first two weeks and then weekly inspections were made. At startup, VOCs were measured at 20-50ppm. Concentrations dropped from the initiation in August 2002 thru November 2002 when the system was stopped for seven weeks due to equipment problems. Upon restarting the system in Jan 2003, a rebound was measured with VOCs rising to 60ppm. The system was operated for two weeks with a second 4 week idle period (1/7/03-2/25/03). After this rest period, the rebound did not occur. The system operated for a period of four weeks with a continual decrease of VOC concentration. Equipment failure again shut the system down for five weeks (3/27/03-5/1/03). A slight rebound to several ppm occurred when the system restarted. The system continued to operate thru June 2003 with day-long shutdown for maintenance with no rebounds observed. Levels of VOCs in the extracted air in June 2003 were zero. Between July 2003 and July 2004, the SVE system was out of service due to major damage in the main section of the blower. In August 2004, the SVE blower and motor were downsized to a 10HP regenerative blower capable of 200 scfm at 80 inches of water. VOCs were measured two days after startup which detected levels of VOCs in extracted air between 2 and 5ppm, indicating that no significant VOCs are being extracted from beneath the building. A total of 10 MWs exist on site. Four (MW-3, ERM-4, MW-14, MW-15) are currently located on the sidewalk. The other six (NMW-1 to NMW-6) are inside the Tate building. Max total BTEX detected in MW-14 at 1990ppb (7/16/02). Max MTBE detected in NMW-2 at 410ppb (8/8/03). By the concentrations of MTBE detected in upgradient wells, MW-14 and MW-15, there may be an off-site source. (There are two gas stations upgradient at 24th St and 10th Ave.) Concentrations of BTEX have been decreasing in source areas. It appears that removal of grossly contaminated soils and free product at the time of the UST removal in 2001 eliminated the primary source of GW contamination. Groundwater samples to be collected 10/16/04. 11/1/04 Spoke to

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MENDON LEASING (Continued)**

**S104275477**

Mohammed Ahmed, FLS (212-675-3225). Approx 3" of free product(gasoline) was detected in MW-14 (sidegradient of tank field) on 8/17/04. One week later, there was no product detected. Sampled again on 10/14/04, no product detected. He suspects that it is from an off-site source. There is a LukOil Station at 239 10th Avenue (open spills #9810383, 9707190). Oct 2004 monitoring report to be submitted this week.11/16/04 Received status update (FLS, 11/11/04). GW sampling conducted 10/12-10/13/04. No samples were collected from MW-15 located on the sidewalk of 24th St and NMW-1 located inside the Buia Gallery on 23rd St. MW-15 was backfilled during construction of the Tate Bldg. NMW-1 was inaccessible due to an exhibit. BTEX ranged from ND to 1086ppb(MW-14). MTBE ranged from ND to 130ppb(NMW-2).Off-site sources of contamination may be contributing to site conditions. However, it is not clear that it is not from onsite sources.12/7/04 Issued letter requiring additional delineation around MW-14 and at former upgradient well location MW-15. Report to be submitted by 3/15/05.12/20/04 Spoke to M. Ahmed, FLS. Will propose re-installation of upgradient MW-15, one well further upgradient (to confirm possible off-site impacts), and one west of MW-14(sidegradient).12/29/04 Received proposal from FLS to install three additional MWs.12/30/04 Issued letter approving workplan.2/18/05 Received report for the installation of MW-14, 15A and 17. According to the report, there appears to be an off-site source on the northwest portion of property along W24th St. Concentrations of BTEX increased from 1086ppb to 2067ppb in MW-14. Report also states that the LukOil station may be contributing to the MTBE concentrations across the site. 3/15/05 Spoke to Mohammed Ahmed, FLS. Requested two Geoprobes across W 24th St to eliminate the Motor Freight Station and Auto Repair Shop as potential sources.8/15/05 Spoke to M. Ahmed. A Fleming spoke to NYSDOH at K. Tang's recommendation. NYSDOH requested subslab and indoor air samples. Results expected next week. FLS proposes to use this data to support closure. Explained that there is still dissolved which remains on the corner of the property. Agreed to wait for results to decide next steps.11/29/05 Email to A. Fleming and M. Ahmed, FLS, provided comments on the October 17th request for spill closure. Regarding the indoor air and soil gas sampling which was performed, it is unclear if the concentrations detected within the building are due to any background interferences within the building. Directed FLS to conduct a full inventory as directed by the NYSDOH guidance for evaluating soil vapor intrusion. An additional round of indoor air samples must be taken at least 24hrs following the removal of any possible VOC sources. Results will be forwarded to NYSDOH. The Departments will determine further action for vapor mitigation, if required, following review.The groundwater data collected to date has been sporadic with five sampling rounds completed within the last three years. Quarterly groundwater sampling and monthly gauging must be completed and results submitted to the Department. Groundwater direction must be confirmed.The groundwater concentrations at MW-14 were as high as 4340ppb total VOCs in the last sampling round in January and have historically been fluctuating. MW-17, which was recently installed west of MW-14, also had readings of 2777ppb total VOCs. The Department requires additional wells be installed across W 24th street, north of MW-14 and MW-17, and west of MW-17. A proposal to remediate the contamination in this area will be required. It is expected that the additional delineation, groundwater and indoor air sampling results, with scaled site and contour maps, will be

**MENDON LEASING (Continued)**

**S104275477**

submitted by the beginning of February. 4/20/06 Requested update from M. Ahmed of FLS.6/30/06 DEC lead transferred from K. Foley to J.A. Maisonave. - JAM7/06/06 Requested update from A. Flemming of FLS. Mr. Flemming and I spoke about the history of the site. He still believes the impacts to groundwater at wells MW-14 and MW-17 are from off-site contamination (possibly Lukoil site on 10th Ave and 24th Street). These wells are supposedly up-gradient side of the site. I requested Arnie send me the latest data on the site including groundwater sampling and indoor air sampling data. - JAM7/25/06 Spoke with A. Flemming a number of times. I do not believe a second round of indoor air sampling was conducted, however a vapor barrier is in place. They conducted site-wide groundwater sampling in May 06. Mr. Flemming believes the latest GW results show that off-site sources are contributing to the GW contamination along W24th Street. He will submit a report of the wells that were sampled (not all were sampled because they were inaccessible). I requested that he state his justification for spill closure in the groundwater sampling report.10/16/06 Received a call from Steve Panter of Fleming Lee Shue (212) 675-3225. He said the report is ready and will be submitted this week. - JAM11/14/06 Received the report dated October 20, 2006 via email. The report summarizes all the groundwater analytical data since April 2003. FLS makes the argument that off-site sources are contaminating the sidewalk wells. A summary of all the off-site sources is included as well as a two part technical explanation for the difference between groundwater contamination in the sidewalk MWs and on-site MWs. The first part is a "multivariate analysis," and the second is a comparison between Benzene and MTBE. The report is uploaded into edocs. - JAM11/22/06 Received SVE System Data and Indoor Air Quality Data Summary Report from FLS. Report uploaded to eDocs.01/22/07 Issued a letter to Greg GusheeThe Related Companies, Inc.60 Columbus CircleNew York, NY 10022with the NYSDEC's position on the FLS report. Chris Magee in Central Office reviewed the report and based on the material presented he does not concur with FLS' conclusion that off-site sources are contributing to the contamination found in the sidewalk wells. The letter states that The Related Companies, Inc. is responsible to monitor and remediate the site. Groundwater must be gauged and sampled quarterly and based on the results the NYSDEC will determine if a remedial strategy is necessary. The letter is uploaded into edocs. - JAM8/21/07 Reviewed FLS letter submitted to the DEC on April 13, 2007 in response to DEC comments sent on 1/22/07. FLS believes that contamination found in off-site wells on West 24th Street stems from a different source. I sent the letter to Chris Magee in Central Office for review. - JAM9/06/07 Sent email to Steve Panter at FLS. The email states that, "the data are inconclusive and do not prove that an off-site source is affecting the groundwater in the monitoring wells in the sidewalk... The Department cannot approve spill closure at this time. A round of groundwater samples should be collected from all wells to obtain up-to-date groundwater quality data. Results should be submitted with appropriate recommendations for further monitoring and/or remedial activities if necessary." - JAM1/18/08 Received an email from Jim Harrington in Central Office. Steve Panter from FLS contacted Mr. Harrington stating that they will do another round of sampling but he wants assurance that after the next round of GW sampling the spill case will be closed. Mr. Harrington said he will review the spill case and material forwarded by Mr. Panter. Afterwards, he will contact Region 2 staff for further discussion

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MENDON LEASING (Continued)**

**S104275477**

before responding to Mr. Panter. - JAM9/22/08 Reviewed the Groundwater Sampling Report/Spill Closure Request submitted by Flemming Lee Shue dated May 12, 2008. All on- and off-site monitoring wells were sampled in February 2008. Groundwater monitoring results show no significant change in contaminant levels in any of the on-site or off-site wells. The sidewalk wells continue to show exceedences for VOCs in groundwater (i.e. 748ug/L total VOCs in well MW-14 and 829ug/L total VOCs in MW-16) however, the exposure risk from these contaminants is low. The groundwater monitoring report is uploaded to eDocs. Senior technical staff in Central Office supports closure of this spill without meeting recommended objectives because of the low risk of exposure. This spill case was closed and a NFA letter was issued. NFA uploaded to eDocs. - JAM

Remarks:

CALLER FOUND .7 FEET OF GASOLINE IN A TWO INCH GROUNDWATER MONITORING WELL. LOCATION IS A TRUCK LEASING COMPANY. MARK TIBBE NOTIFIED OF RESULTS. ADDITIONAL MONITORING WELLS TO BE INSTALLED AND SIX TANKS ARE TO BE PULLED.

Material:

Site ID: 301890  
Operable Unit ID: 1036491  
Operable Unit: 01  
Material ID: 576796  
Material Code: 1213A  
Material Name: MTBE (METHYL-TERT-BUTYL ETHER)  
Case No.: 01634044  
Material FA: Hazardous Material  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: True  
Site ID: 301890  
Operable Unit ID: 1036491  
Operable Unit: 01  
Material ID: 348432  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: True  
Site ID: 301890  
Operable Unit ID: 1036491  
Operable Unit: 01  
Material ID: 348433  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: True

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MENDON LEASING (Continued)**

**S104275477**

Site ID: 301890  
 Operable Unit ID: 1036491  
 Operable Unit: 01  
 Material ID: 576797  
 Material Code: 2645A  
 Material Name: BTEX  
 Case No.: Not reported  
 Material FA: Oxygenates  
 Quantity: Not reported  
 Units: Not reported  
 Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: True  
 Site ID: 301890  
 Operable Unit ID: 1036491  
 Operable Unit: 01  
 Material ID: 348434  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: True

Tank Test:

**Z161**  
**SSW**  
**1/8-1/4**  
**0.205 mi.**  
**1080 ft.**

**520 W 23RD ST**  
**NEW YORK, NY 10011**  
**Site 6 of 10 in cluster Z**

**EDR US Hist Cleaners** **1015071443**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Cleaners:  
 Name: SYMPHONY 44 CLEANERS INC  
 Year: 2010  
 Address: 520 W 23RD ST

**Actual:**  
**9 ft.**

Name: SYMPHONY 44 CLEANERS INC  
 Year: 2011  
 Address: 520 W 23RD ST

**Z162**  
**SW**  
**1/8-1/4**  
**0.205 mi.**  
**1083 ft.**

**555 WEST 23RD ST**  
**555 WEST 23RD ST**  
**MANHATTAN, NY**  
**Site 7 of 10 in cluster Z**

**NY LTANKS** **S105999938**  
**N/A**

**Relative:**  
**Lower**

LTANKS:  
 Site ID: 203961  
 Spill Number/Closed Date: 0306399 / 4/7/2006  
 Spill Date: 9/17/2003  
 Spill Cause: Tank Failure

**Actual:**  
**8 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

555 WEST 23RD ST (Continued)

S105999938

Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SKCARLSO  
Referred To: NFA (4/7/06)  
Reported to Dept: 9/17/2003  
CID: 297  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 9/17/2003  
Spill Record Last Update: 4/7/2006  
Spiller Name: Not reported  
Spiller Company: LAVIGNE BUILDERS  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: CURT SCHMIDT  
Spiller Phone: (212) 675-3225  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 296101  
DEC Memo: Sangesland sent contaminated soil letter Curt Schmidt said that Mark Tibbe knows about a major spill site just upgradient from this site.2/5/03 - TRANSFERRED FROM SAWYER TO ROMMEL3/1/04 Reassigned from Rommel to K Foley.Spill Remediation Plan received 12/22/03 for removal of four 260gal gas USTs, one 500gal gas UST, and one 500gal no. 2 fuel oil UST. Site under development but once contained three buildings. A former auto service and plastic manufacturing existed on site. Five USTs from NW corner were removed 9/29/03 (four 260gal gas USTs and one 500gal gas UST). Soil excavation was postponed due to safety concerns. Will excavate and direct load for disposal. A minimum of four post-ex samples will be collected at PID hot spots on each sidewall. DTW is 6'bgs and therefore a bottom sample will probably not be feasible. If there is potential for structural damage to the adjacent building, two soil samples will be collected from that sidewall. Two samples will be collected from sidewalls greater than 20' in length. Analysis by VOCs (8021) and SVOCs (8270). Spill #9704542 was previously reported for a fuel oil release from UST. Scaled site map with former tank locations/hot spots and Phase I and II reports. There have been site investigations and proposed remediation plans submitted for 543-547 West 23rd St (spill #8605848). There is documented fuel oil and gasoline contamination of groundwater associated with sites to the east that have encroached upon the site. Mendon Leasing, 527 W 23rd file(#9605688,9808740,9511782, 9513588).3/22/06 Reassigned from Foley to Tang. (KMF)4/3/06: Reassigned to Andersen. Three sources of contamination: Fuel oil leak from a UST in northeast corner. Gasoline leak from five USTs in northwest corner. Gasoline groundwater contamination from adjacent Mendon Leasing site. All six tanks were removed by Fleming Lee Shue (FLS). The tank closure report was not

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**555 WEST 23RD ST (Continued)**

**S10599938**

Remarks: received. Spoke with FLS and they will resend a report that was sent to Albany.4/7/06: Received and reviewed tank closure report. Soil was excavated from three areas of contamination. Residual SVOC contamination from urban fill and VOC contamination from the adjacent spill site is present. The site will be redeveloped with a vapor barrier. NFA letter sent.  
 CALLERS COMPANY PERFORMING EXCAVATIONS ON SITE, AND SOIL SAMPLES ARE SHOWING GASOLINE CONTAMINATION OF THE SOIL AROUND SOME UNDERGROUND TANK SITES ON THE PROPERTY

Material:  
 Site ID: 203961  
 Operable Unit ID: 875124  
 Operable Unit: 01  
 Material ID: 503624  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**Z163  
 SW  
 1/8-1/4  
 0.205 mi.  
 1084 ft.**

**VACANT LOT  
 559 WEST 23RD STREET  
 NEW YORK, NY  
 Site 8 of 10 in cluster Z**

**NY Spills S106383951  
 N/A**

**Relative:  
 Lower**

SPILLS:  
 Facility ID: 0313859  
 DER Facility ID: 73241  
 Facility Type: ER  
 Site ID: 78730  
 DEC Region: 2  
 Spill Date: 3/18/2004  
 Spill Number/Closed Date: 0313859 / 11/30/2004  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: JMKRIMGO  
 Referred To: Not reported  
 Reported to Dept: 3/18/2004  
 CID: 406  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False

**Actual:  
 8 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

VACANT LOT (Continued)

S106383951

UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/18/2004  
Spill Record Last Update: 11/30/2004  
Spiller Name: STAN PERELMAN  
Spiller Company: JANI REALTY  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: STAN PERELMAN  
Contact Phone: (212) 486-6066  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"7/16/04. JM Sorge, Inc. (Peter Sorge 908-218-0066) was retained by JANI realty as a consultant. They anticipate additional excavation and will submit an ISR in 6-8 weeks. YK.11/30/04. J.Krimgold has reviewed the Investigation/Remediation Report dated August 2004 and submitted by Jm Sorge, Inc. All contaminated soil has been removed and disposed. Non.Haz. Manifests inclosed. Post excavation samples show BN contaminants levels slightly in excess of TAGMs levels. However, most likely attributed to the historic fill consisted of construction rubble and ash/cinder material. NFA letter.

Remarks: Stan Perelman is the owner of the vacant lot. They were having some excavating done when the discovered soil contamination. Will have someone come to test the soil and will follow up with clean up accordingly. Lot was being prepared to be built on. There was a small amount of material found.

Material:  
Site ID: 78730  
Operable Unit ID: 879162  
Operable Unit: 01  
Material ID: 495445  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Z164  
SW  
1/8-1/4  
0.207 mi.  
1094 ft.

U-HAUL  
562 WEST 23RD STREET  
MANHATTAN, NY  
Site 9 of 10 in cluster Z

NY Spills S104502982  
N/A

Relative:  
Lower

SPILLS:  
Facility ID: 9700188  
DER Facility ID: 252836  
Facility Type: ER  
Site ID: 313587  
DEC Region: 2  
Spill Date: 4/3/1997

Actual:  
8 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**U-HAUL (Continued)**

**S104502982**

Spill Number/Closed Date: 9700188 / 2/22/2002  
Spill Cause: Unknown  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 4/3/1997  
CID: 266  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/3/1997  
Spill Record Last Update: 2/22/2002  
Spiller Name: ERIC SMITH  
Spiller Company: U-HAUL  
Spiller Address: 562 WEST 23RD STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: ERIC SMITH  
Contact Phone: (212) 620-4178  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was

"SANGESLAND"ACTIVE SITE. REFERRED FROM 90-00199 SEE FILE.2/22/2002 - Dr. David Winslow with ATC Associates (212-353-8280) has been working on this site for the last couple of years.ATC submitted a Site Closure Letter (with support documents) on May 18, 2000.DEC held a meeting with Winslow/ATC in Oct 2001 and reviewed several U-Haul sites including this one.There had been excavation on the site and 3 perm. wells have come back clean. DEC requested six additional geoprobe/borings/water grabs which were done in May 2001. Five boring water samples came back with trace levels while GPW-6 had a couple of low level hits.GPW-6 at 12' depth had the following (all in ppb)sec-Butylbenzene = 444tert-Butylbenzene = 483Ethylbenzene = 1471,2,4-Trimethylbenzene = 363O-Xylene = 165M&P-Xylenes = 249BTEX = 585All SVOC's were ND.After speaking with Peduto and Hale in DEC Albany, it was decided to provide a "No Further Action" letter.Closed This site file is included in DEC Long Island City "U-Haul" master file drawer/box.  
Remarks: IN BASEMENT OF BUILDING. UNKNOWN EXACT CAUSE. CALLER HAS PERSONNEL ENROUTE TO SCENE. CALL FROM ALBERT WILLIAMS OF DEPCALLED AT 17-55 HRS. AND HAS REQUESTED DEC REP. TO THE SCENE. ALSO CALL MR WILLIAMS AT 718-595-6700.

Material:  
Site ID: 313587  
Operable Unit ID: 1046615  
Operable Unit: 01  
Material ID: 336800  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**U-HAUL (Continued)**

**S104502982**

Quantity: 40  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**Z165**  
**SW**  
**1/8-1/4**  
**0.208 mi.**  
**1100 ft.**

**562 W 23RD ST/MANHATTAN**  
**562 WEST 23RD STREET**  
**NEW YORK CITY, NY**

**NY LTANKS** **S104275573**  
**NY Spills** **N/A**

**Site 10 of 10 in cluster Z**

**Relative:**  
**Lower**

**LTANKS:**

**Actual:**  
**8 ft.**

Site ID: 313585  
Spill Number/Closed Date: 9000199 / 6/21/2000  
Spill Date: 3/26/1990  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SULLIVAN  
Referred To: Not reported  
Reported to Dept: 4/6/1990  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 5/10/1990  
Spill Record Last Update: 6/21/2000  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 284706  
DEC Memo: Not reported  
Remarks: TANK FAILED AIR PRESSURE TEST.

**Material:**

Site ID: 313585  
Operable Unit ID: 938542  
Operable Unit: 01  
Material ID: 438608  
Material Code: 0009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**562 W 23RD ST/MANHATTAN (Continued)**

**S104275573**

Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 149950  
Spill Number/Closed Date: 0205608 / 12/10/2002  
Spill Date: 8/27/2002  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 8/28/2002  
CID: 405  
Water Affected: Not reported  
Spill Notifier: Local Agency  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 8/28/2002  
Spill Record Last Update: 12/10/2002  
Spiller Name: Not reported  
Spiller Company: UHAUL INC  
Spiller Address: 562 WEST 23RD ST  
Spiller City,St,Zip: NEW YORK, NY -  
Spiller County: 001  
Spiller Contact: LEVENT ESKICAKIT  
Spiller Phone: (212) 353-8280  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 127520  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE/SANGESLAND"12/10/2002 Sangesland reviewed a report prepared by David Winslow of ATC Associates Inc (212-353-8280).Report states that contamination was found around a buried 1000 gal tank under the floor of the building. The tank was cleaned out and excavated around. Because of foundation issues, the tank could not be removed and not all of the contaminated soil could be removed.Based on the soil conditions, Sangesland requested goundwater samples from the area. ATC took four groundwater samples in the area of this tank. GW is at approx 8 ft below the cement floor level. 3 of 4 samples are clean. One has some VOC hits just over 8020. Based on the location and the inability to excavate further, and that the surrounding water samples were clean, we can conclude that the contamination is localized and

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**562 W 23RD ST/MANHATTAN (Continued)**

**S104275573**

Remarks: not spreading.Spill closed  
CALLER STATES UPON REMOVAL OF THE UNDERGROUND TANK - FOUND HOLES IN  
THE TANK AND CONTAMINATED SOIL

Material:

Site ID: 149950  
Operable Unit ID: 858216  
Operable Unit: 01  
Material ID: 519806  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

SPILLS:

Facility ID: 9305627  
DER Facility ID: 274954  
Facility Type: ER  
Site ID: 313586  
DEC Region: 2  
Spill Date: 8/5/1993  
Spill Number/Closed Date: 9305627 / 8/6/1993  
Spill Cause: Abandoned Drums  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
3101  
SWIS:  
Investigator: GRIFFIN  
Referred To: Not reported  
Reported to Dept: 8/5/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: DEC  
Cleanup Ceased: 8/6/1993  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/9/1993  
Spill Record Last Update: 10/25/1996  
Spiller Name: Not reported  
Spiller Company: ED VILLAVICENCIO  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**562 W 23RD ST/MANHATTAN (Continued)**

**S104275573**

DEC Memo: Not reported  
Remarks: TO DO CLEAN UP CALLED TONE TIGHT CO. FOR REMOVAL GOING TO CLEAN-UP PARKING LOT UNDER AIR CONDITIONER AS WEL AS SIDE WALK.

Material:  
Site ID: 313586  
Operable Unit ID: 983781  
Operable Unit: 01  
Material ID: 395538  
Material Code: 0022  
Material Name: Waste Oil/Used Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 55  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AA166  
SE  
1/8-1/4  
0.211 mi.  
1115 ft.

**CONED 28TH STREET YARD  
281 & 11TH AVE  
MANHATTAN, NY  
Site 1 of 6 in cluster AA**

**NY Spills S106735794  
N/A**

Relative:  
Higher

SPILLS:

Facility ID: 0409663  
DER Facility ID: 269674  
Facility Type: ER  
Site ID: 334461  
DEC Region: 2  
Spill Date: 11/29/2004  
Spill Number/Closed Date: 0409663 / 12/2/2004  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
21 ft.

SWIS:

Investigator: GDBREEN  
Referred To: Not reported  
Reported to Dept: 11/30/2004  
CID: 74  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/1/2004  
Spill Record Last Update: 6/20/2005  
Spiller Name: ERT DESK  
Spiller Company: CONED 28TH STREET YARD  
Spiller Address: 281 & 11TH AVE

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONED 28TH STREET YARD (Continued)**

**S106735794**

Spiller City,St,Zip: MANHATTEN, NY  
 Spiller Company: 001  
 Contact Name: ERT DESK  
 Contact Phone: (212) 580-8383  
 DEC Memo: J Morgan # 09193 reports that while preparing for the start of his shift, W Thuiot # 16629 discovered 2 gallons of antifreeze had leaked from vehicle 41185 onto the asphalt lot in w 28 st yard ( 281 11 av ). No smoke or fire involved. No sewer or waterway affected. No injuries and weather had no affect. Source of spill is the vehicle and the cause is a leak. No private property affected. Cleanup was performed using the attack pack and pads. Cleanup started @ 23:40 and completed @ 00:30. CIG M Schlagel # 18276 notified @ 00:21. Cleanup persons are listed in the event involved person screen

Remarks: CLEAN UP IN POROGRESS: FAULTY HOSE: LEAKED ON PAVEMENT. 156404

Material:  
 Site ID: 334461  
 Operable Unit ID: 1096595  
 Operable Unit: 01  
 Material ID: 576512  
 Material Code: 0043A  
 Material Name: ANTIFREEZE  
 Case No.: Not reported  
 Material FA: Other  
 Quantity: 2  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AA167  
 SE  
 1/8-1/4  
 0.211 mi.  
 1115 ft.**

**WEST 28TH ST YARD  
 W 28TH ST  
 MANHATTAN, NY  
 Site 2 of 6 in cluster AA**

**NY Spills S106737335  
 N/A**

**Relative:  
 Higher  
 Actual:  
 21 ft.**

SPILLS:  
 Facility ID: 0411907  
 DER Facility ID: 272556  
 Facility Type: ER  
 Site ID: 337220  
 DEC Region: 2  
 Spill Date: 2/8/2005  
 Spill Number/Closed Date: 0411907 / 5/27/2005  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS:  
 Investigator: 3101  
 Referred To: JHOCONNE  
 Reported to Dept: Not reported  
 CID: 2/8/2005  
 77  
 Water Affected: Not reported  
 Spill Source: Commercial Vehicle  
 Spill Notifier: Responsible Party

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 28TH ST YARD (Continued)**

**S106737335**

Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/8/2005  
Spill Record Last Update: 5/27/2005  
Spiller Name: ERT DESK  
Spiller Company: CON EDISON  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383  
DEC Memo: e2mis no. 157111:David Torres 87240/Stores Reported that approx. 3 gallons of hydraulic fluid spill from the reservoir, onto asphalt, at the W. 28 St. yard. From forklift (veh. 91668) that the employee was operating. Clean up is in progress. Acct. #f7113. Spill was discovered at 00:45.02-08-05 02:16 Correction: Leak is from the hose on the forklift. Clean-up is still in progress.02-08-05 04:25Clean-up was completed at 03:30. Hydraulic fluid was diaper up w/ Absorbent pads and granules was used.  
Remarks: hydraulic oil from a fork lift onto asphalt, clean-up is in progress. No to 5 questions. con ed #157111.

Material:

Site ID: 337220  
Operable Unit ID: 1099205  
Operable Unit: 01  
Material ID: 579522  
Material Code: 0010  
Material Name: Hydraulic Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 3  
Units: Gallons  
Recovered: 3  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AB168  
SW  
1/8-1/4  
0.214 mi.  
1132 ft.

**HYDRAULIC FLUID FROM TRUCK PTO**  
**182-184 11 AVENUE**  
**MANHATTAN, NY**  
**Site 1 of 3 in cluster AB**

**NY Spills S109063408**  
**N/A**

Relative:  
Lower

SPILLS:  
Facility ID: 0802390  
DER Facility ID: 347862  
Facility Type: ER  
Site ID: 398509  
DEC Region: 2  
Spill Date: 6/1/2008  
Spill Number/Closed Date: 0802390 / 6/17/2008

Actual:  
6 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**HYDRAULIC FLUID FROM TRUCK PTO (Continued)**

**S109063408**

Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: gdbreen  
Referred To: Not reported  
Reported to Dept: 6/1/2008  
CID: 77  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/2/2008  
Spill Record Last Update: 6/17/2008  
Spiller Name: Not reported  
Spiller Company: CON EDISON VEH#60708  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383  
DEC Memo: 06/17/08 - See eDocs for Con Ed report detailing cleanup and closure.211642. see eDocs  
Remarks: Broken hose on cable truck, spill onto pavement. Con Ed cleaning spill, speedy dry and absorbant pads. Con Ed Ref# 211642

Material:  
Site ID: 398509  
Operable Unit ID: 1155394  
Operable Unit: 01  
Material ID: 2146262  
Material Code: 0010  
Material Name: Hydraulic Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 8  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE #61721 (Continued)**

**S106736125**

Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AC170**  
**South**  
**1/8-1/4**  
**0.216 mi.**  
**1143 ft.**

**WEST 23RD ST & 10TH AV**  
**MANHATTAN, NY**  
**Site 2 of 12 in cluster AC**

**NY Spills S106004144**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 0202265  
DER Facility ID: 71967  
Facility Type: ER  
Site ID: 77077  
DEC Region: 2  
Spill Date: 6/3/2002  
Spill Number/Closed Date: 0202265 / 6/3/2002  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**Actual:**  
**12 ft.**

**SWIS:** 3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 6/3/2002  
CID: 297  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/3/2002  
Spill Record Last Update: 6/3/2002  
Spiller Name: CALLER  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY -  
Spiller Company: 001  
Contact Name: PETER MCGUIRE  
Contact Phone: (212) 580-6765  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"e2MIS no. 143-129:6-3-02 @ 04:45Discovered 2 gallons of anti freeze had leaked from vehicle41117 , 1 gallon of which had entered a sewer grating. Source of spill is the vehicle and the cause

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

(Continued)

S106004144

Remarks: is equipment failure. Spill was on the asphalt street and a sewer. No private property affected. Cleanup was started at 03:10 and finished @ 04:45. Transportation to be notified to rectify the leak on the vehicle, as reported by J McCutchen #62355, unable to locate transportation mechanic at this time.  
 VEH #41117 HAD A RADIATOR LEAK SPILLING APPROX 1 GAL ONTO THE GROUND AND 1 GALLON INTO A SEWER DRAIN - ASPHALT HAS BEEN CLEANED BUT 1 GALLON DID ENTER THE SEWER

Material:  
 Site ID: 77077  
 Operable Unit ID: 855251  
 Operable Unit: 01  
 Material ID: 520128  
 Material Code: 0043A  
 Material Name: ANTIFREEZE  
 Case No.: Not reported  
 Material FA: Other  
 Quantity: 2  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

AC171  
 South  
 1/8-1/4  
 0.216 mi.  
 1143 ft.

CON ED  
 W 23RD ST/ E 10TH AVE  
 MANHATTAN, NY  
 Site 3 of 12 in cluster AC

NY Spills S106016384  
 N/A

Relative:  
 Lower

SPILLS:  
 Facility ID: 0304264  
 DER Facility ID: 261663  
 Facility Type: ER  
 Site ID: 324835  
 DEC Region: 2  
 Spill Date: 7/22/2003  
 Spill Number/Closed Date: 0304264 / 2/10/2004  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: KMFOLEY  
 Referred To: Not reported  
 Reported to Dept: 7/22/2003  
 CID: 418  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0

Actual:  
 12 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CON ED (Continued)

S106016384

Date Entered In Computer: 7/22/2003  
Spill Record Last Update: 10/14/2004  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller Company: 001  
Contact Name: TOM MARCINEK  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"Con Ed e2mis #149429:07/22/03 18:50 hrsM Milano # 68073 of Manhattan FOD reported to N Muldoon # 18723 that at 18:00 hrs in TM 3063 located at N/S W 23 St 27 feet E/O 10TH Ave discovered approx 50 gallons oil on top of 100 gallons of water. FOD was there to check a smoking transformer. The source and cause of the spill are unknown. Possible transformer leak. A sewer connection, concrete sump and any substantial cracks could not be verified. No sump running. An over 50 tanker has been ordered for 23:00 hrs along with an I&A crew to evaluate the spill.UPDATE 07/22/03 23:30Lab Sequence Number: 03-06065-001, <1ppm PCB7/23/03 Partial cleanup was completed at 05:15 hrs. The tanker removed 35 gallons of oil and water mixed. The flush truck removed all solid debri. Spill tag # 36372 was left in place. The final cleanup will be completed when the unit is drained and removed.8/30/03 cleanup was complete @ 09:00 hrs. All debri andliquid was removed by the Vactor Truck. T he structure was double washed with slix and all PPE will be disposed of properly. Supervisor V. Mirance confirmed that the transformer was removed at the time of the final cleanup.  
Remarks: spill is contained within the vault #tm3063 and is sitting on 100 gallons of water. Test samples have been taken for PCB and ID. Con Ed Ref # 149429. A Transformer was involved unknown if the leak is from the transformer

Material:  
Site ID: 324835  
Operable Unit ID: 872518  
Operable Unit: 01  
Material ID: 505118  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AC172**  
**South**  
**1/8-1/4**  
**0.216 mi.**  
**1143 ft.**

**23RD ST BET 8TH & 12TH AV**  
**MANHATTAN, NY**

**NY Spills S106002381**  
**N/A**

**Site 4 of 12 in cluster AC**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 0200122  
 DER Facility ID: 91456  
 Facility Type: ER  
 Site ID: 103412  
 DEC Region: 2  
 Spill Date: 4/4/2002  
 Spill Number/Closed Date: 0200122 / 8/5/2002  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**12 ft.**

**SWIS:**

Investigator: MCTIBBE  
 Referred To: Not reported  
 Reported to Dept: 4/4/2002  
 CID: 211  
 Water Affected: Not reported  
 Spill Source: Commercial Vehicle  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 4/4/2002  
 Spill Record Last Update: 8/5/2002  
 Spiller Name: Not reported  
 Spiller Company: NY CITY TRANSIT  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ  
 Spiller Company: 001  
 Contact Name: SHERRY BULKLEY  
 Contact Phone: (718) 243-4581  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"CONTAINED AND CLEANED BY NYCT AND NYC DOS.

Remarks: leak of hydraulic fluid from bus unk mechanical problem clean up in progress

**Material:**

Site ID: 103412  
 Operable Unit ID: 853556  
 Operable Unit: 01  
 Material ID: 525119  
 Material Code: 0010  
 Material Name: Hydraulic Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 8  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106002381

Tank Test:

AC173  
South  
1/8-1/4  
0.216 mi.  
1143 ft.

MANHOLE 60721  
W 23RD ST, WEST OF 10TH  
MANHATTAN, NY

NY Spills S106014776  
N/A

Site 5 of 12 in cluster AC

Relative:  
Lower

SPILLS:

Facility ID: 0302455  
DER Facility ID: 82437  
Facility Type: ER  
Site ID: 91681  
DEC Region: 2  
Spill Date: 6/8/2003  
Spill Number/Closed Date: 0302455 / 8/20/2003  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: SKARAKHA  
Referred To: Not reported  
Reported to Dept: 6/8/2003  
CID: 422  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/8/2003  
Spill Record Last Update: 8/20/2003  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller Company: 001  
Contact Name: PAUL DIDONATO  
Contact Phone: (212) 580-6763  
DEC Memo: e2mis 148633On 6/8 @ 03:20 HRS, N Russell # 16232 of Transmission Ops reported to me that while working on inspections on Feeder M54/55 he discovered approx 10 gal & 1000 gal of water in Transmission M-61721.No fire/smoke was involved, no sewer/waterway was involved, no injuries involved, weather did not contribute and NO private property was involved. The source and the cause are unknown at this time. There is no movement on the standing water, no substantial cracks observed. Finder says there probably is a sump, but could not verify at this time. Two samples will be taken for PCB and ID. Finder informed his supervisor and he will call Chem Lab to pick up sample and will supply Chain of Custody form.Environmental tag # 4967 was hung.Notified CIG, spoke to Didonato # 01669 # 03:30. Spoke to Daughtery of ERT and discussed the incident and he said he would probably visit the incident site.6/8 @ 04:40Spoke with M Daughtrey of

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MANHOLE 60721 (Continued)**

**S106014776**

ERT and he said he spoke with the Transmission Ops supervisor and Chem Lab will be out there tonight to take the samples and at approx 07:00 HRs on 6/8 CleanHarbors will be out there for the Clean-up. Incident No. 148633 Completing Checklist: F. ACOSTA, SUPERVISOR, 15856 Sample ID No.: 03-04775-001 PCB: YES <1 Amount discovered: 10 GALLONS OIL FOUND Spill discovered: 06/08/03 @03:20 Environmental Detailed Incident Report Location of spill: 23rd St 189' W/O 10 AVE Cleanup Activities: REMOVED/RECOVERED LIQUID/SOLIDS, REMOVED VISIBLE TRACES OF OIL, WASHED STAINED AREAS-DOUBLE-YES Con Edison: TRANSPORTATION Cleanup Completed on: 06-08-03 Con Edison directing cleanup: D. HUGGINS, 06-08=03 CLEANUP COMPLETE, SUBMITTED TO NYSDEC FOR CLOSURE.

Remarks:

no fire smoke no injuries no property damage no waterways

Material:

Site ID: 91681  
 Operable Unit ID: 869287  
 Operable Unit: 01  
 Material ID: 506932  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 10  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AC174**  
**South**  
**1/8-1/4**  
**0.216 mi.**  
**1143 ft.**

**NYC TRANSIT BUS**  
**10TH AVE & 23RD ST**  
**MANHATTAN, NY**  
**Site 6 of 12 in cluster AC**

**NY Spills S105235271**  
**N/A**

**Relative:**  
**Lower**

SPILLS:

Facility ID: 0106962  
 DER Facility ID: 123334  
 Facility Type: ER  
 Site ID: 144707  
 DEC Region: 2  
 Spill Date: 10/4/2001  
 Spill Number/Closed Date: 0106962 / 10/10/2001  
 Spill Cause: Traffic Accident  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: MCTIBBE  
 Referred To: Not reported  
 Reported to Dept: 10/4/2001  
 CID: 252  
 Water Affected: Not reported  
 Spill Source: Commercial Vehicle  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported

**Actual:**  
**12 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**NYC TRANSIT BUS (Continued)**

**S105235271**

Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 10/4/2001  
 Spill Record Last Update: 10/10/2001  
 Spiller Name: PASHKO CAMAJ  
 Spiller Company: NYC TRANSIT BUS  
 Spiller Address: 10TH AVE & 23RD ST  
 Spiller City,St,Zip: MANHATTAN, ZZ  
 Spiller Company: 001  
 Contact Name: PASHKO CAMAJ  
 Contact Phone: (718) 243-4581  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"10/10/01 SPILL CLEANED BY TRANSIT

Remarks: Due to accident approx 8 gallons of power steering fluid spilled onto the ground. Spill was cleaned up by NYC Transit.

Material:  
 Site ID: 144707  
 Operable Unit ID: 844041  
 Operable Unit: 01  
 Material ID: 531801  
 Material Code: 1511A  
 Material Name: POWER STEERING FLUID  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 8  
 Units: Gallons  
 Recovered: 8  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AC175**  
**South**  
**1/8-1/4**  
**0.216 mi.**  
**1143 ft.**

**TEN GALLONS OIL IN MANHOLE #61721**  
**WEST 23 STREET & 10 AVENUE**  
**MANHATTAN, NY**

**NY Spills S108296607**  
**N/A**

**Site 7 of 12 in cluster AC**

**Relative:**  
**Lower**

**SPILLS:**  
 Facility ID: 0610205  
 DER Facility ID: 324270  
 Facility Type: ER  
 Site ID: 374597  
 DEC Region: 2  
 Spill Date: 12/7/2006  
 Spill Number/Closed Date: 0610205 / 1/17/2007  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**12 ft.**

SWIS: 3101  
 Investigator: GDBREEN  
 Referred To: Not reported  
 Reported to Dept: 12/7/2006

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**TEN GALLONS OIL IN MANHOLE #61721 (Continued)**

**S108296607**

CID: 406  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 12/7/2006  
 Spill Record Last Update: 1/17/2007  
 Spiller Name: ERT DESK  
 Spiller Company: CON EDISON  
 Spiller Address: 4 IRVING PLACE  
 Spiller City,St,Zip: MANHATTAN, NY  
 Spiller Company: 999  
 Contact Name: ERT DESK' MIKE DAUGHTERY  
 Contact Phone: (212) 580-8383  
 DEC Memo: 01/17/07 - See e-docs for Con Ed report detailing cleanup and closure.203616. see eDocs  
 Remarks: Spill is 10 gal of oil on 1500 gal of water in a manhole. Found this spill while searching for the leak on feeder #M54 (spill from earlier in the day) ConEd# 203616 No to the five questions.

Material:  
 Site ID: 374597  
 Operable Unit ID: 1132268  
 Operable Unit: 01  
 Material ID: 2121999  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 10  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AC176**  
**South**  
**1/8-1/4**  
**0.216 mi.**  
**1143 ft.**

**MANHOLE #61721**  
**WEST 23RD STREET AND WEST 10TH AVE**  
**MANHATTAN, NY**

**NY Spills S109942905**  
**N/A**

**Site 8 of 12 in cluster AC**

**Relative:**  
**Lower**

SPILLS:  
 Facility ID: 0906532  
 DER Facility ID: 367965  
 Facility Type: ER  
 Site ID: 418870  
 DEC Region: 2  
 Spill Date: 9/8/2009  
 Spill Number/Closed Date: 0906532 / 9/16/2009  
 Spill Cause: Equipment Failure

**Actual:**  
**12 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE #61721 (Continued)**

**S109942905**

Spill Class: Known release with minimal potential for fire or hazard. No DEC Response. No corrective action required.  
SWIS: 3101  
Investigator: RWAUSTIN  
Referred To: Not reported  
Reported to Dept: 9/8/2009  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/8/2009  
Spill Record Last Update: 9/16/2009  
Spiller Name: Not reported  
Spiller Company: CON ED  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: ERT  
Contact Phone: (212) 580-8383  
DEC Memo: 9/16/09 - Austin - Spill contained and cleaned up - see EMIS in eDocs file - closed - end  
Remarks: Contained in manhole/Pending analysis.

Material:  
Site ID: 418870  
Operable Unit ID: 1175031  
Operable Unit: 01  
Material ID: 2167475  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AC177  
South  
1/8-1/4  
0.216 mi.  
1143 ft.

**MANHOLE 61721**  
**W 23 ST / 10TH AV**  
**MANHATTAN, NY**  
**Site 9 of 12 in cluster AC**

**NY Spills S106736664**  
**N/A**

Relative:  
Lower

SPILLS:  
Facility ID: 0410963  
DER Facility ID: 271403  
Facility Type: ER  
Site ID: 336066

Actual:  
12 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE 61721 (Continued)**

**S106736664**

DEC Region: 2  
Spill Date: 1/7/2005  
Spill Number/Closed Date: 0410963 / 1/10/2008  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: GDBREEN  
Referred To: Not reported  
Reported to Dept: 1/7/2005  
CID: 64  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/10/2005  
Spill Record Last Update: 1/10/2008  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383  
DEC Memo: 01/10/08 - See eDocs for Con Ed report detailing cleanup and closure. On 1/7 @ 18:57 Saggio # 87329 reported that Campo # 02980 of Transmission ops while working at w 23 St 183' W/O 10 Av in M-61721q he noticed approx. 1 gal of an unknown oil & 50 gallons of water. He was there to bleed a joint to restote the Feeder on M54 on 345KV Feeders. No sewer/waterways affected, no privzte property affected, no fire/smoke involved, no injuries and weather did not contribute. The source and cause of the spill is unknown at this time. There is a concrete sump in the hole. There is no movement on the standing water. No substantial cracks in the structure. Environmental tag # 4776 was hung. The courier has been contacted by the finder and will take two samples for PCB and ID. The Chain of Custody # will be supplied by the courier. No initial cleanup actions are being taken at this time. The claenup will be pending Lab results. 1/7 @ 19:35. Notified CIG, spoke to Elliott # 81653 @ 19:33/1/7 @ 20:03IMPORTANT UPDATE: The Finder was work on Feeder M54 on 345 KV. Logger R Pagano # 47803

Remarks: NO TO FIVE QUESTIONS. TWO SAMPLES TAKEN. CON ED # 156808

Material:  
Site ID: 336066  
Operable Unit ID: 1098114  
Operable Unit: 01  
Material ID: 578285  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE 61721 (Continued)**

**S106736664**

Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AC178**  
**South**  
**1/8-1/4**  
**0.216 mi.**  
**1143 ft.**

**MAN HOLE 16721**  
**WEST 23RD ST/10TH AV**  
**MANHATTAN, NY**  
**Site 10 of 12 in cluster AC**

**NY Spills S105141056**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 0104590  
DER Facility ID: 76413  
Facility Type: ER  
Site ID: 82970  
DEC Region: 2  
Spill Date: 7/30/2001  
Spill Number/Closed Date: 0104590 / 7/29/2003  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**12 ft.**

**SWIS:**

Investigator: KMFOLEY  
Referred To: Not reported  
Reported to Dept: 7/30/2001  
CID: 405  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/30/2001  
Spill Record Last Update: 7/29/2003  
Spiller Name: Not reported  
Spiller Company: CON EDISON  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: NEW YORK, NY 10003  
Spiller Company: 001  
Contact Name: PETER MCGUIRE  
Contact Phone: (212) 580-6765  
DEC Memo:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"Con Ed e2mis Notes:7/30/01 1107hrs: Transmission Operations reportes while inspecting manhole M61721, discovered 2gal unknown oil on top of 1000gal water. There are 2 feeders, M54/55, in structure. Environmental yellow tag #2624 was placed. No sewer connection as per conduit plate #M-20-D-2. Sump is concrete. Samples pending ChemLab. Not cleaned up within 24hrs because of lack of manpower and ChemLab results.Chem lab reported 01-07788 <1.0 ppm PCB.Removed/recovered liquid/solids. Removed visible traces of oil. Washed stained areas. S

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MAN HOLE 16721 (Continued)**

**S105141056**

Remarks: & D Environmental completed cleanup on 7-31-01 at 22:00hrs.  
 2 gallons of an unknown type of oil on 1000 gallons of water - not cleaned up

Material:  
 Site ID: 82970  
 Operable Unit ID: 841345  
 Operable Unit: 01  
 Material ID: 533074  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 2  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AD179**  
**SSE**  
**1/8-1/4**  
**0.224 mi.**  
**1183 ft.**

**418 W.25TH ST**  
**418 W.25TH ST**  
**NEW YORK, NY**  
**Site 1 of 3 in cluster AD**

**NY Spills** **U000398057**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**  
 Facility ID: 8802529  
 DER Facility ID: 121614  
 Facility Type: ER  
 Site ID: 142532  
 DEC Region: 2  
 Spill Date: 6/20/1988  
 Spill Number/Closed Date: 8802529 / 6/20/1988  
 Spill Cause: Unknown  
 Spill Class: Not reported  
 SWIS: 3101  
 Investigator: RWAUSTIN  
 Referred To: Not reported  
 Reported to Dept: 6/20/1988  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Citizen  
 Cleanup Ceased: 6/20/1988  
 Cleanup Meets Std: True  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 6/24/1988  
 Spill Record Last Update: 8/6/2003  
 Spiller Name: Not reported  
 Spiller Company: EDISON LITHOGRAPHERS  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ

**Actual:**  
**19 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**418 W.25TH ST (Continued)**

**U000398057**

Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "AUSTIN"10/10/95: This is additional information about material spilled from the translation of the old spill file: PRINTING INK ODOR.  
Not reported  
Remarks: RELEASE IS ONGOING, DON'T KNOW IF THERE IS EXTRA SPILLAGE.

Material:  
Site ID: 142532  
Operable Unit ID: 917846  
Operable Unit: 01  
Material ID: 458093  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

180  
WNW  
1/8-1/4  
0.224 mi.  
1183 ft.

168-11 12TH AVENUE  
168-11 12TH AVENUE  
NYC, NY

NY LTANKS S104275514  
N/A

Relative:  
Lower

LTANKS:  
Site ID: 212375  
Spill Number/Closed Date: 8803037 / 9/30/1992  
Spill Date: 7/7/1988  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 9/30/1992  
Cleanup Meets Standard: False  
SWIS: 4101  
Investigator: BATTISTA  
Referred To: Not reported  
Reported to Dept: 7/7/1988  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 7/8/1988  
Spill Record Last Update: 10/15/2003  
Spiller Name: Not reported  
Spiller Company: SAME

Actual:  
10 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

168-11 12TH AVENUE (Continued)

S104275514

Spiller Address: Not reported  
Spiller City,St,Zip: NOVI RAMO, ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 175986  
DEC Memo: Not reported  
Remarks: 3K TANK, NEVER STABILIZED, INITIAL SYSTEM HORNER-EZY CHECK TEST.

Material:  
Site ID: 212375  
Operable Unit ID: 918226  
Operable Unit: 01  
Material ID: 458601  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 212375  
Spill Tank Test: 1534245  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

AD181  
SSE  
1/8-1/4  
0.227 mi.  
1196 ft.

418 WEST 25TH STREET  
MANHATTAN, NY  
Site 2 of 3 in cluster AD

NY Spills S107416664  
N/A

Relative:  
Higher

SPILLS:  
Facility ID: 0509359  
DER Facility ID: 305126  
Facility Type: ER  
Site ID: 355126  
DEC Region: 2  
Spill Date: 11/4/2005  
Spill Number/Closed Date: 0509359 / 1/30/2006  
Spill Cause: Other  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
19 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S107416664

SWIS: 3101  
Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 11/4/2005  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/4/2005  
Spill Record Last Update: 1/30/2006  
Spiller Name: AL GULUN  
Spiller Company: VACANT BUILDING  
Spiller Address: 418 WEST 25TH STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 001  
Contact Name: AL GULUN  
Contact Phone: (516) 221-7500  
DEC Memo: 11/4/05 - Raphael Ketani. I spoke to Mr. Al Gulun ((516) 221-7500) of Soil Mechanics. He said that the site had an old print shop on the upper floors. So they went downstairs and saw stains on the concrete floor. They broke open the floor and detected volatiles. So they dug out the soil and collected end point samples. Thirty drums of contaminated soil and concrete went out in drums. Mr. Gulun said that he will mail an investigation report to Spills. 01/30/06 Sharif//Rec'd closure report prepared by Soil Mechanics. The building is currently being renovated for residential use. During the underground utilities installation, contaminated soil was encountered beneath the former hazardous chemical storage room (app. 8'x14'). All accessible impacted soil was removed from a 16'x18' excavated area. Four end point samples were taken which showed VOC/SVOC levels below TAGM. Waste disposal manifest and photographs of the site were provided. NFA required.  
Remarks: FOUND CONTAMINATION DURING SITE INVALUATION: MATERIAL HAS BEEN DUG OUT  
Not reported

Material:

Tank Test:

Facility ID: 0107340  
DER Facility ID: 305126  
Facility Type: ER  
Site ID: 214583  
DEC Region: 2  
Spill Date: 10/17/2001  
Spill Number/Closed Date: 0107340 / 10/6/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S107416664

Investigator: MXTIPPLE  
Referred To: Not reported  
Reported to Dept: 10/17/2001  
CID: 396  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/17/2001  
Spill Record Last Update: 10/6/2003  
Spiller Name: PABLO RODRIGUEZ  
Spiller Company: MYSTIC OIL  
Spiller Address: 19-01 STEINWAY ST  
Spiller City,St,Zip: ASTORIA, NY -  
Spiller Company: 001  
Contact Name: TOM DERITA  
Contact Phone: (718) 932-9075  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIPPLE"10/6/03 TIPPLE UPDATING//  
Remarks: clean up crew on the way.

Material:  
Site ID: 214583  
Operable Unit ID: 845537  
Operable Unit: 01  
Material ID: 532160  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

AE182 NY CLEARINGHOUSE  
ENE 450 W33RD ST  
1/8-1/4 NEW YORK, NY  
0.230 mi.  
1216 ft. Site 1 of 2 in cluster AE

NY LTANKS S112231212  
N/A

Relative: LTANKS:  
Higher Site ID: 468686  
Spill Number/Closed Date: 1205721 / Not Closed  
Actual: Spill Date: 9/8/2012  
24 ft. Spill Cause: Tank Test Failure

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NY CLEARINGHOUSE (Continued)**

**S112231212**

Spill Source: Commercial/Industrial  
Spill Class: Not reported  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: TJDMEEO  
Referred To: Not reported  
Reported to Dept: 9/8/2012  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 1  
Date Entered In Computer: 9/8/2012  
Spill Record Last Update: 9/17/2012  
Spiller Name: ERIK DEITZ  
Spiller Company: NY CLEARINGHOUSE  
Spiller Address: 450 W33RD ST  
Spiller City,St,Zip: NEW YORK, NY  
Spiller County: 999  
Spiller Contact: JIM YANCY  
Spiller Phone: 3364048264  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 422967  
DEC Memo: TTF was sent out toBROADWAY REAL ESTATE SERVICES450-460 WEST 33RD STREET NEW YORK, NY 10043 ATTN: JAVIER CORRIPIO \*\* PBS 2-456721 \*\*  
Remarks: Not reported

**Material:**

Site ID: 468686  
Operable Unit ID: 1218603  
Operable Unit: 01  
Material ID: 2217006  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

**Tank Test:**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

183  
 West  
 1/8-1/4  
 0.232 mi.  
 1223 ft.

**TUG SAMPSON MTS ITSDELILA  
 BET PIERS 63& 64, 23RD ST  
 NEW YORK, NY**

**NY Spills S102671095  
 N/A**

**Relative:  
 Lower**

**SPILLS:**

**Actual:  
 2 ft.**

Facility ID: 8601658  
 DER Facility ID: 224401  
 Facility Type: ER  
 Site ID: 276014  
 DEC Region: 2  
 Spill Date: 6/10/1986  
 Spill Number/Closed Date: 8601658 / 6/10/1986  
 Spill Cause: Other  
 Spill Class: Not reported  
 SWIS: 3101  
 Investigator: UNASSIGNED  
 Referred To: Not reported  
 Reported to Dept: 6/10/1986  
 CID: Not reported  
 Water Affected: HUDSON RIVER  
 Spill Source: Vessel  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: 6/10/1986  
 Cleanup Meets Std: True  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 7/2/1986  
 Spill Record Last Update: 6/11/2003  
 Spiller Name: JOHN CREVY (OWNER)  
 Spiller Company: TUGBOAT SAMPSON  
 Spiller Address: SAME AS ABOVE  
 Spiller City,St,Zip: ZZ  
 Spiller Company: 001  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "

**Remarks:**

"10/10/95: This is additional information about material spilled from the translation of the old spill file: POT. SPILL FRM TUG.  
 TUG IS SINKING IN HUDSON-HAS BEEN GOING ON FOR QUITE SOME TIME, ACCORDING TO THE COAST GUARD. MR. CREVY WILL HIRE SPILL CONTRACTOR TO CLEAN

**Material:**

Site ID: 276014  
 Operable Unit ID: 899107  
 Operable Unit: 01  
 Material ID: 478146  
 Material Code: 0008  
 Material Name: Diesel  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 1000  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TUG SAMPSON MTS ITSDELILA (Continued)**

**S102671095**

Tank Test:

184  
NW  
1/8-1/4  
0.232 mi.  
1224 ft.

**D26TH ST. & HUDSON PKWY.  
26TH ST. & HUDSON PKWY.  
MANHATTAN, NY**

**NY LTANKS S100494844  
N/A**

**Relative:  
Lower**

**LTANKS:**

**Actual:  
10 ft.**

Site ID: 65652  
Spill Number/Closed Date: 9213648 / 3/31/1995  
Spill Date: 3/11/1993  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 3/31/1995  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 3/11/1993  
CID: Not reported  
Water Affected: HUDSON RIVER  
Spill Notifier: Federal Government  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 3/12/1993  
Spill Record Last Update: 3/31/1995  
Spiller Name: Not reported  
Spiller Company: GRACE CONCRETE CO.  
Spiller Address: 26TH ST. & HUDSON PKWY.  
Spiller City,St,Zip: N.Y.C., NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 62980  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE" // : HANDLED BY UCSG.10/10/95: This is additional information about material spilled from the translation of the old spill file: CONCRETE ADDITIVES  
Remarks: U.S.C.G. TRIED TO CALL GRACE CONCRETE BUT COULD NOT GET PHONE NUMBER.

Material:

Tank Test:

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>AB185</b>	<b>59TH ST GENERATING STAT</b>	<b>NY Spills</b>	<b>S102147150</b>
<b>SW</b>	<b>11TH AVE</b>		<b>N/A</b>
<b>1/8-1/4</b>	<b>MANHATTAN, NY</b>		
<b>0.232 mi.</b>			
<b>1224 ft.</b>	<b>Site 2 of 3 in cluster AB</b>		

<b>Relative:</b>	<b>SPILLS:</b>		
<b>Lower</b>	Facility ID:	9308570	
	DER Facility ID:	144746	
<b>Actual:</b>	Facility Type:	ER	
<b>6 ft.</b>	Site ID:	171981	
	DEC Region:	2	
	Spill Date:	10/14/1993	
	Spill Number/Closed Date:	9308570 / 10/15/1993	
	Spill Cause:	Deliberate	
	Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.	
	SWIS:	3101	
	Investigator:	MCTIBBE	
	Referred To:	Not reported	
	Reported to Dept:	10/14/1993	
	CID:	Not reported	
	Water Affected:	Not reported	
	Spill Source:	Commercial/Industrial	
	Spill Notifier:	Federal Government	
	Cleanup Ceased:	10/15/1993	
	Cleanup Meets Std:	True	
	Last Inspection:	Not reported	
	Recommended Penalty:	False	
	UST Trust:	False	
	Remediation Phase:	0	
	Date Entered In Computer:	10/21/1993	
	Spill Record Last Update:	9/30/2004	
	Spiller Name:	Not reported	
	Spiller Company:	NP RADIATOR REPAIR.	
	Spiller Address:	Not reported	
	Spiller City,St,Zip:	ZZ	
	Spiller Company:	001	
	Contact Name:	Not reported	
	Contact Phone:	Not reported	
	DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"	
	Remarks:	REPAIR SHOE DUMPING ANTIFREEZE IN CATCH BASIN NYC DEP ENROUTE - NYC DEP HANDLED.	
	Material:		
	Site ID:	171981	
	Operable Unit ID:	987231	
	Operable Unit:	01	
	Material ID:	394795	
	Material Code:	0066A	
	Material Name:	UNKNOWN PETROLEUM	
	Case No.:	Not reported	
	Material FA:	Petroleum	
	Quantity:	0	
	Units:	Not reported	
	Recovered:	No	
	Resource Affected:	Not reported	
	Oxygenate:	False	
	Site ID:	171981	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**59TH ST GENERATING STAT (Continued)**

**S102147150**

Operable Unit ID: 987231  
Operable Unit: 01  
Material ID: 394796  
Material Code: 0043A  
Material Name: ANTIFREEZE  
Case No.: Not reported  
Material FA: Other  
Quantity: 0  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AB186**  
**SW**  
**1/8-1/4**  
**0.232 mi.**  
**1224 ft.**

**WEST 42 ND ST BETWEEN**  
**11TH AND 12TH AVENUE**  
**NEW YORK, NY**

**NY Spills S103828915**  
**N/A**

**Site 3 of 3 in cluster AB**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 9814738  
DER Facility ID: 81538  
Facility Type: ER  
Site ID: 89232  
DEC Region: 2  
Spill Date: 3/10/1999  
Spill Number/Closed Date: 9814738 / 3/11/1999  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**6 ft.**

**SWIS:** 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 3/11/1999  
CID: 216  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Police Department  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/11/1999  
Spill Record Last Update: 5/20/2002  
Spiller Name: Not reported  
Spiller Company: BOVIS CONSTRUCTION  
Spiller Address: UNKNOWN  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: OFFICER MORIARTY  
Contact Phone: (212) 239-9352  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WEST 42 ND ST BETWEEN (Continued)

S103828915

Remarks: "TIBBE" SOUTH SIDE MID BLOCK. ALL SOIL ONSITE GOING TO BE CONSIDERED AND DISPOSED OF AS CONTAMINATED. THEY WILL SPREAD MORE SAND ON SIDEWALK AND STREET. SIDEWALK WILL EVENTUALLY BE REMOVED. construction company doing work in a lot digging it up and the police officer noticed the spill coming from one of their machines it is spraying hydraulic oil or fluid all over the place it is not contained or picked up the company is still using the broken machine

Material:

Site ID: 89232  
Operable Unit ID: 1072322  
Operable Unit: 01  
Material ID: 311414  
Material Code: 0010  
Material Name: Hydraulic Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AC187  
South  
1/8-1/4  
0.232 mi.  
1224 ft.

CUMBERLAND FARMS  
215 10TH AVE  
MANHATTAN, NY  
Site 11 of 12 in cluster AC

NY Spills S107787234  
N/A

Relative:  
Lower

SPILLS:

Facility ID: 0600388  
DER Facility ID: 218050  
Facility Type: ER  
Site ID: 362373  
DEC Region: 2  
Spill Date: 4/11/2006  
Spill Number/Closed Date: 0600388 / 1/30/2007  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
11 ft.

SWIS: 3101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 4/11/2006  
CID: 444  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/11/2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CUMBERLAND FARMS (Continued)**

**S107787234**

Spill Record Last Update: 3/5/2010  
Spiller Name: MELISSA GLIDEN  
Spiller Company: CUMBERLAND FARMS  
Spiller Address: 215 10TH AVE  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: MELISSA GLIDEN  
Contact Phone: (800) 225-9702 3412  
DEC Memo: minor spill incidentSangesland spoke to Ms. Gliden at Cumberland Farms. She'll send in a letter/report when she gets details on the cleanup.  
Remarks: water in spill bucket  
Material:  
Tank Test:

**AC188**  
**South**  
**1/8-1/4**  
**0.232 mi.**  
**1226 ft.**

**CHEVRON W. 23 ST GW SPILL**  
**215 10TH AVE**  
**NEW YORK, NY**

**NY Spills S107415886**  
**N/A**

**Site 12 of 12 in cluster AC**

**Relative:**  
**Lower**

**SPILLS:**

**Actual:**  
**11 ft.**

Facility ID: 8600912  
DER Facility ID: 317601  
Facility Type: ER  
Site ID: 187376  
DEC Region: 2  
Spill Date: 5/7/1986  
Spill Number/Closed Date: 8600912 / 8/31/1987  
Spill Cause: Unknown  
Spill Class: Not reported  
SWIS: 3101  
Investigator: SULLIVAN  
Referred To: Not reported  
Reported to Dept: 5/7/1986  
CID: Not reported  
Water Affected: GROUNDWATER  
Spill Source: Gasoline Station  
Spill Notifier: Responsible Party  
Cleanup Ceased: 8/31/1987  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/9/1986  
Spill Record Last Update: 7/24/2006  
Spiller Name: Not reported  
Spiller Company: CHEVRON/GULF  
Spiller Address: SAME AS ABOVE  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: 4/22/05 From Old Spill File(KMF):Letter from Fenley and Nichol dated

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHEVRON W. 23 ST GW SPILL (Continued)**

**S107415886**

11/30/89:On 11/29/89 and 11/30/89, Fenley & Nichol excavated, cleaned and legally disposed of four 2000gal gasoline tanks from the site. Eight soil samples were taken. The site has a vapor recovery system that was installed at the beginning of 1989 and will continue to operate.PBS #2-336939

Remarks: 18" OF PRODUCTION OBSERVATION WELL. CLEANED UP BY GULF.

Material:

Site ID: 187376  
Operable Unit ID: 898582  
Operable Unit: 01  
Material ID: 477478  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 9402020  
DER Facility ID: 317601  
Facility Type: ER  
Site ID: 189188  
DEC Region: 2  
Spill Date: 5/11/1994  
Spill Number/Closed Date: 9402020 / 10/18/1994  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 5/11/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Responsible Party  
Cleanup Ceased: 10/18/1994  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: True  
Remediation Phase: 0  
Date Entered In Computer: 5/25/1994  
Spill Record Last Update: 7/24/2006  
Spiller Name: JOANNE WALLACH  
Spiller Company: EXXONMOBIL  
Spiller Address: 3225 GALLOWS ROAD  
Spiller City,St,Zip: FAIRFAX, VA 22037-001  
Spiller Company: 001  
Contact Name: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CHEVRON W. 23 ST GW SPILL (Continued)**

**S107415886**

Contact Phone: Not reported  
 DEC Memo: Not reported  
 Remarks: WIPING DISPENSER- SOIL GROUND WET) NOW OUT OF SERVICE. LARRY WATSON TO FOLLOW UP.

Material:  
 Site ID: 189188  
 Operable Unit ID: 999075  
 Operable Unit: 01  
 Material ID: 385762  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

Y189  
 SSE  
 1/8-1/4  
 0.236 mi.  
 1244 ft.

**UNDERGROUND TRANSFORMER**  
**426 WEST 24 STREET**  
**MANHANTAN, NY**  
 Site 2 of 6 in cluster Y

**NY Spills S111238759**  
**N/A**

Relative:  
 Higher

SPILLS:  
 Facility ID: 1107482  
 DER Facility ID: 409769  
 Facility Type: ER  
 Site ID: 455184  
 DEC Region: 2  
 Spill Date: 9/13/2011  
 Spill Number/Closed Date: 1107482 / Not Closed  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
 17 ft.

SWIS: 3101  
 Investigator: ConEd Unassigned  
 Referred To: Not reported  
 Reported to Dept: 9/13/2011  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Major Facility > 400,000 gal  
 Spill Notifier: Local Agency  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 1  
 Date Entered In Computer: 9/13/2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNDERGROUND TRANSFORMER (Continued)**

**S111238759**

Spill Record Last Update: 9/15/2011  
Spiller Name: ERT  
Spiller Company: CON ED  
Spiller Address: 426 WEST 24 STREET  
Spiller City,St,Zip: MANHANTAN, NY  
Spiller Company: 999  
Contact Name: ERT  
Contact Phone: (212) 580-8383  
DEC Memo: Not reported  
Remarks: spill contained - clean up pending

Material:

Site ID: 455184  
Operable Unit ID: 1205334  
Operable Unit: 01  
Material ID: 2202182  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**Y190**  
**South**  
**1/8-1/4**  
**0.238 mi.**  
**1256 ft.**

**LUNDON TERRACE GARDEN APT**  
**415 WEST 23RD ST**  
**MANHATTAN, NY**  
**Site 3 of 6 in cluster Y**

**NY Spills S104503745**  
**N/A**

**Relative:**  
**Higher**

SPILLS:

Facility ID: 9707602  
DER Facility ID: 211526  
Facility Type: ER  
Site ID: 258478  
DEC Region: 2  
Spill Date: 9/25/1997  
Spill Number/Closed Date: 9707602 / 2/12/2003  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**Actual:**  
**15 ft.**

SWIS: 3101  
Investigator: KGHale  
Referred To: Not reported  
Reported to Dept: 9/26/1997  
CID: 270  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Citizen  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LUNDON TERRACE GARDEN APT (Continued)**

**S104503745**

UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/26/1997  
Spill Record Last Update: 4/15/2010  
Spiller Name: Not reported  
Spiller Company: INFINITIE ENVIORMENTAL  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: ANDREW HOFFMAN  
Contact Phone: (212) 243-7000  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "HALE"02/12/2003- Closed Due To The Nature / Extent Of The Spill Report.

Remarks: CALLER STATES THAT WORKERS ARE REMOVING MATERIAL DURING THE MIDDLE OF THE NIGHT AND BROKE A WATER PIPE AND CALLER STATES THAT THIS IS SUSPICIOUS. CALLER WANTS A CALL BACK.

Material:  
Site ID: 258478  
Operable Unit ID: 1053991  
Operable Unit: 01  
Material ID: 329612  
Material Code: 0026A  
Material Name: ASBESTOS  
Case No.: 01332214  
Material FA: Hazardous Material  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Y191  
South  
1/8-1/4  
0.238 mi.  
1256 ft.

**VAULT 4749**  
**435 WEST 23RD ST**  
**MANHATTAN, NY**  
**Site 4 of 6 in cluster Y**

**NY Spills S109827062**  
**N/A**

**Relative:**  
**Higher**

SPILLS:  
Facility ID: 0903630  
DER Facility ID: 364830  
Facility Type: ER  
Site ID: 415748  
DEC Region: 2  
Spill Date: 6/28/2009  
Spill Number/Closed Date: 0903630 / 5/21/2010  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. No DEC Response. No corrective action required.  
  
SWIS: 3101  
Investigator: RWAUSTIN  
Referred To: Not reported  
Reported to Dept: 6/28/2009  
CID: Not reported

**Actual:**  
**15 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VAULT 4749 (Continued)**

**S109827062**

Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/28/2009  
Spill Record Last Update: 5/21/2010  
Spiller Name: CHRIS JUSTINIANO  
Spiller Company: CON ED  
Spiller Address: 435 WEST 23RD ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: CHRIS JUSTINIANO  
Contact Phone: Not reported  
DEC Memo: 5/21/10 - Austin - Transformer oil leak - Contained and cleaned up by  
Con Edison - see eDocs for further info - spill closed - end  
Remarks: 10 gallons of unknown oil on top of 20 gallons of groundwater;  
unknown cause. Cleanup is pending.

Material:  
Site ID: 415748  
Operable Unit ID: 1172078  
Operable Unit: 01  
Material ID: 2163932  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Y192  
South  
1/8-1/4  
0.238 mi.  
1256 ft.

**LONDON TERRACE GARDENS**  
**450 WEST 24TH ST**  
**MANHATTEN, NY**  
**Site 5 of 6 in cluster Y**

**NY Spills S104501384**  
**N/A**

**Relative:**  
**Higher**

SPILLS:  
Facility ID: 9515779  
DER Facility ID: 140062  
Facility Type: ER  
Site ID: 166220  
DEC Region: 2  
Spill Date: 3/9/1996  
Spill Number/Closed Date: 9515779 / 8/14/1996  
Spill Cause: Equipment Failure  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**Actual:**  
**15 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LONDON TERRACE GARDENS (Continued)**

**S104501384**

SWIS: 3101  
Investigator: GUTIERREZ  
Referred To: Not reported  
Reported to Dept: 3/9/1996  
CID: 312  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/9/1996  
Spill Record Last Update: 8/14/1996  
Spiller Name: CALLER  
Spiller Company: LONDON TERRACE GARDENS  
Spiller Address: 450 WEST 24TH ST  
Spiller City,St,Zip: MANHATTEN, ZZ  
Spiller Company: 001  
Contact Name: CALLER  
Contact Phone: (0) -  
DEC Memo: Not reported  
Remarks: looks like a broken fuel line - 20' x 20' area affected - unk  
qyseeeping thru wall - hess oil has been contacted and cleanup crew  
will be there shortly

Material:

Site ID: 166220  
Operable Unit ID: 1030424  
Operable Unit: 01  
Material ID: 556555  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**Y193** 440 WEST 24TH ST/MANHATTA  
**South** 440 WEST 24TH STREET  
**1/8-1/4** MANHATTAN, NY  
**0.238 mi.**  
**1256 ft.** Site 6 of 6 in cluster Y

**NY Spills** S104495161  
N/A

**Relative:** SPILLS:  
**Higher** Facility ID: 9412378  
DER Facility ID: 89129  
**Actual:** Facility Type: ER  
**15 ft.** Site ID: 93622  
DEC Region: 2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**440 WEST 24TH ST/MANHATTA (Continued)**

**S104495161**

Spill Date: 12/15/1994  
Spill Number/Closed Date: 9412378 / 12/15/1994  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 12/15/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: 12/15/1994  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/30/1995  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: CASTLE OIL CORP  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"

Remarks: HOSE DISCOVERED FROM FITTING WHILE FILLING

Material:

Site ID: 93622  
Operable Unit ID: 1006030  
Operable Unit: 01  
Material ID: 374693  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 15  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 8808585  
DER Facility ID: 89129  
Facility Type: ER  
Site ID: 100380  
DEC Region: 2  
Spill Date: 1/31/1989  
Spill Number/Closed Date: 8808585 / 11/14/1994

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**440 WEST 24TH ST/MANHATTA (Continued)**

**S104495161**

Spill Cause: Unknown  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 1/31/1989  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Other  
Cleanup Ceased: 11/14/1994  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/7/1989  
Spill Record Last Update: 11/15/1994  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: SPILL CONTAINED & ACTION UNKNOWN.

Material:

Site ID: 100380  
Operable Unit ID: 924323  
Operable Unit: 01  
Material ID: 453345  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**194**  
**WSW**  
**1/8-1/4**  
**0.240 mi.**  
**1265 ft.**

**12TH AV & 24TH ST**  
**MANHATTAN, NY**

**NY Spills S104647319**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 9805204  
 DER Facility ID: 141304  
 Facility Type: ER  
 Site ID: 167727  
 DEC Region: 2  
 Spill Date: 7/13/1998  
 Spill Number/Closed Date: 9805204 / 2/10/2001  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**1 ft.**

**SWIS:**

Investigator: TOMASELLO  
 Referred To: Not reported  
 Reported to Dept: 7/27/1998  
 CID: 351  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: DEC  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 7/27/1998  
 Spill Record Last Update: 2/13/2002  
 Spiller Name: Not reported  
 Spiller Company: UNKNOWN  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: TIM SNOW  
 Contact Phone: (212) 243-6177  
 DEC Memo: Not reported  
 Remarks: DOT INSTALLING TRENCHING FOR NEW UTILITIES - FOUND CONTAMINATED SOIL, SOIL CONTAINED AND REMOVED

**Material:**

Site ID: 167727  
 Operable Unit ID: 1066369  
 Operable Unit: 01  
 Material ID: 319955  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S104647319

Tank Test:

AA195  
ESE  
1/8-1/4  
0.242 mi.  
1280 ft.

MANHOLE 39730  
290 9TH AVE  
MANHATTAN, NY  
Site 3 of 6 in cluster AA

NY Spills S106006730  
N/A

Relative:  
Higher

SPILLS:

Facility ID: 0205297  
DER Facility ID: 81871  
Facility Type: ER  
Site ID: 89640  
DEC Region: 2  
Spill Date: 8/20/2002  
Spill Number/Closed Date: 0205297 / 10/29/2002  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
24 ft.

SWIS:

3101  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 8/20/2002  
CID: 207  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/20/2002  
Spill Record Last Update: 10/29/2002  
Spiller Name: CALLER  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY -  
Spiller Company: 001  
Contact Name: LARRY COSTA  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL" See spill # 0205294e2mis no. 144-631: Fred Simms #66618, Field Operations Manager, reported at 10:28 hrs. that he found at 10:25 hrs. approx. 70 gallons of transformer oil in manhole M39730 located at 290 9th Avenue and West 27th Street. The Emergency crew was on location in response to a fire dept. (NYFD) request of a transformer explosion in vault VS4493 at the same location. Mr. Simms reported that due to the transformer explosion in vault VS4493 at the same location, oil from the transformer was going into the manhole. The crew was about to enter the manhole to cut the secondary due to the transformer problem when they discovered the spill. The source of the oil is possibly the transformer in vault VS4493 and the cause is a transformer failure. No agencies on location. The Account No. is F3445. Lino Rodriguez #32100 will take two liquid samples from the

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MANHOLE 39730 (Continued)**

**S106006730**

spill for PCB and Oil ID on a priority "E" basis. Chain of Custody #AA21261 will be issued for the samples. No initial cleanup action taken. The crew is waiting for the feeder to be grounded before going into the manhole.8/20/0 Received lab results, lab sequence # 02-07762-001TOTAL PCB 3 ppm8/20/02 16:36 Received lab results, Lab sequence # 02-07763-001Analysis indicates the presence of a substance similar to a dielectric fluid.8/20/02 21:05 Received a call from A. Zappone # 85207 Underground (cleanup) supervisor that the cleanup was completed 100% at 21:00.

Remarks: cleanup in progress144631

Material:

Site ID: 89640  
 Operable Unit ID: 858004  
 Operable Unit: 01  
 Material ID: 519497  
 Material Code: 0541A  
 Material Name: DIELECTRIC FLUID  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 70  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AF196**  
**ESE**  
**1/8-1/4**  
**0.243 mi.**  
**1281 ft.**

**303 9TH AV/DEPT OF HEALTH**  
**303 9TH AVENUE**  
**NEW YORK CITY, NY**  
**Site 1 of 3 in cluster AF**

**NY LTANKS** **S100167612**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**26 ft.**

LTANKS:

Site ID: 67824  
 Spill Number/Closed Date: 8807152 / 3/5/2003  
 Spill Date: 11/29/1988  
 Spill Cause: Tank Test Failure  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: ADMIN. CLOSED  
 Referred To: Not reported  
 Reported to Dept: 11/29/1988  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Tank Tester  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 11/29/1988  
 Spill Record Last Update: 3/19/2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**303 9TH AV/DEPT OF HEALTH (Continued)**

**S100167612**

Spiller Name: Not reported  
Spiller Company: DEPT OF HEALTH CENTER  
Spiller Address: 303 9TH AVENUE  
Spiller City,St,Zip: NEW YORK, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extension: Not reported  
DEC Region: 2  
DER Facility ID: 64752  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ADMIN.CLOSED"03/05/2003- Closed Due To The Nature / Extent Of The Spill Report  
Remarks: TANK FAILED WITH A LEAK RATE OF -.318GPH, WILL EXCAVATE & ISOLATE.CLOSED DUE TO LACK OF ANY RECENT INFO- DOES NOT MEET ANY CLEAN UP REQUIREMENTS.

Material:  
Site ID: 67824  
Operable Unit ID: 922484  
Operable Unit: 01  
Material ID: 455497  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 67824  
Spill Tank Test: 1534940  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

AA197  
SE  
1/8-1/4  
0.244 mi.  
1286 ft.

PS 33  
281 9TH AVE  
MANHATTAN, NY  
Site 4 of 6 in cluster AA

NY LTANKS U000411085  
N/A

Relative:  
Higher

LTANKS:  
Site ID: 252801  
Spill Number/Closed Date: 9614151 / 12/31/1997  
Spill Date: 3/5/1997  
Spill Cause: Tank Overfill  
Spill Source: Institutional, Educational, Gov., Other

Actual:  
23 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PS 33 (Continued)**

**U000411085**

Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Cleanup Ceased: Not reported

Cleanup Meets Standard: False

SWIS: 3101

Investigator: MMMULQUE

Referred To: Not reported

Reported to Dept: 3/5/1997

CID: 205

Water Affected: Not reported

Spill Notifier: Responsible Party

Last Inspection: Not reported

Recommended Penalty: False

UST Involvement: False

Remediation Phase: 0

Date Entered In Computer: 3/5/1997

Spill Record Last Update: 1/6/1998

Spiller Name: ESTON CLARE

Spiller Company: T & S TRUCKING

Spiller Address: 53 2ND AVENUE

Spiller City,St,Zip: BROOKLYN, NY

Spiller County: 001

Spiller Contact: Not reported

Spiller Phone: (718) 391-6575

Spiller Extention: Not reported

DEC Region: 2

DER Facility ID: 207077

DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MULQUEEN"

Remarks: CALLER STATED THAT 5,500GAL WAS ORDERED. TANK STARTED OVERFILLING AT 1,315 GALS.

Material:

Site ID: 252801

Operable Unit ID: 1045585

Operable Unit: 01

Material ID: 339261

Material Code: 0002A

Material Name: #4 Fuel Oil

Case No.: Not reported

Material FA: Petroleum

Quantity: 50

Units: Gallons

Recovered: No

Resource Affected: Not reported

Oxygenate: False

Tank Test:

Site ID: 224963

Spill Number/Closed Date: 9713196 / 3/3/2003

Spill Date: 2/26/1998

Spill Cause: Tank Overfill

Spill Source: Institutional, Educational, Gov., Other

Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PS 33 (Continued)**

**U000411085**

Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: TOMASELLO  
Referred To: Not reported  
Reported to Dept: 2/26/1998  
CID: 366  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 2/26/1998  
Spill Record Last Update: 3/3/2003  
Spiller Name: Not reported  
Spiller Company: CASTLE OIL  
Spiller Address: 290 LOCUST AVE  
Spiller City,St,Zip: BRONX, NY 10454-  
Spiller County: 001  
Spiller Contact: JOHN KASE  
Spiller Phone: (718) 391-6590  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 185691  
DEC Memo: Not reported  
Remarks: CALLER REPORTING OVERFILL AT PUBLIC SCHOOL #33. CLEAN UP WILL BEGIN SHORTLY.

Material:  
Site ID: 224963  
Operable Unit ID: 1059258  
Operable Unit: 01  
Material ID: 324220  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 60  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

AA198  
ESE  
1/8-1/4  
0.245 mi.  
1294 ft.

**VAULT 4493**  
**290 9TH AVE/W 26TH ST**  
**MANHATTAN, NY**  
**Site 5 of 6 in cluster AA**

**NY Spills S106006725**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0205294  
DER Facility ID: 103845  
Facility Type: ER  
Site ID: 119557  
DEC Region: 2  
Spill Date: 8/20/2002  
Spill Number/Closed Date: 0205294 / 9/29/2004  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**24 ft.**

**SWIS:**

Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 8/20/2002  
CID: 207  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/20/2002  
Spill Record Last Update: 9/29/2004  
Spiller Name: CALLER  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY - 001  
Contact Name: SEAN MCKEEVER  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"DEC responder notes:Transformer flash fire, rupture. An EMT was burned by spraying oil. Oil on sidewalk - crew already have completed double wash of sidewalk and re-opened it. PCB sample from 1992 is 10 ppm. New sample has been collected from vault and adjacent manhole and sent to Chem Lab. Clean up proceeding as 50-499 until confirmatory samples return. See file for photographs.  
(JHO)-----e2mis no. 144-630:8-20-02 @ 09:55F Simms #66618 reports that while investigating a transformer explosion @ vs4493 290 9 ave, he discovered 1/2 gallon of transformer oil had spilled onto the concrete sidewalk, a mailbox and an ambulance. Upon arrival of F Simms there was no smoke or fire involved. An emt worker was burned on the leg and neck and transported to the hospital. Police and fire department were on location. Transformer is on feeder #13m59. Environmental yellow tag # 35966 was applied. 2 samples are to be taken from the spill as soon as it is safe to enter the structure, chain of custody # aa21260. Further investigation can take place when it is safe to enter the structure. Feeder is not grounded at this time. Cleanup pending safe

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**VAULT 4493 (Continued)**

**S106006725**

access. Lou First, Manhattan E, H&S reported at 12:50 hrs. that the I&A was on location and they estimated that there was approx. 30 to 40 gallons of oil in the vault. He reported that Jane O'Connell from the NYSDEC arrived on location at approx. 11:45 hrs. He also reported that Chris Haas from the NYCDEP was on location at approx. 12:00 hrs. Lab sequence # 02-07760-001 PCB 3 ppm 8/20/02 18:00 J. Gnall # 195 I&A supervisor reports that at this time a partial cleanup has been completed. A final cleanup will be done when the unit is removed. A tanker removed 200 gallons of oil from the transformer & 340 gallons of water/oil mixture from the vault. They also cleaned up the sidewalk & mailbox that had oil on it. All were double washed with slix. & rinsed off with flush truck. Note: The tree was checked & no oil was found as per L. First The city to do a follow up. Update 8-21-02 @ 03:00E Higgins #18537 reports that the cleanup is complete as of 03:00. Approx 2 yards of solids (ppe and debris) removed. Double washed with bio-gen and flushed. The transformer was drained of 200 gallons of oil. Draining of the transformer removes the source of the spill. Prior to the final cleanup the transformer was removed. cleanup in progress 144630\*\*\* U P D A T E \*\*\* TRANSFORMER FAILED 230 GALLONS IN THE VAULT -RECORDS SHOW THAT IN 1992 IT WAS 9PPM

Remarks:

Material:

Site ID: 119557  
 Operable Unit ID: 856744  
 Operable Unit: 01  
 Material ID: 519494  
 Material Code: 0020A  
 Material Name: TRANSFORMER OIL  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 70  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AG199**  
**South**  
**1/8-1/4**  
**0.249 mi.**  
**1314 ft.**

**RESIDENCE**  
**458 WEST 23RD ST.**  
**MANHATTAN, NY**  
**Site 1 of 3 in cluster AG**

**NY Spills S106737237**  
**N/A**

**Relative:**  
**Higher**

SPILLS:

Facility ID: 0411787  
 DER Facility ID: 272412  
 Facility Type: ER  
 Site ID: 337068  
 DEC Region: 2  
 Spill Date: 1/22/2005  
 Spill Number/Closed Date: 0411787 / 11/30/2005  
 Spill Cause: Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: rmpiper

**Actual:**  
**15 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESIDENCE (Continued)**

**S106737237**

Referred To: Not reported  
Reported to Dept: 2/3/2005  
CID: 408  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/3/2005  
Spill Record Last Update: 11/30/2005  
Spiller Name: Not reported  
Spiller Company: RESIDENTIAL BUILDING  
Spiller Address: 456 WEST 23RD STREET  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: SALKALN, DON  
Contact Phone: (646) 654-7348  
DEC Memo: 11/30/05- DEC Piper/ Vought performed site inspection. As per adjacent neighbor, tank was overfilled and oil spilled onto soil and into his building. Upon inspection, no contaminated soil/ odors were observed. Minor spill.

Remarks: Oil co. made a delivery back in Jan. they threw sand on it and left it there. The material has run into the building next door, through the front door. It came out of the garden, down the steps and into the building.

Material:  
Site ID: 337068  
Operable Unit ID: 1099051  
Operable Unit: 01  
Material ID: 579376  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: Yes  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

AF200  
ESE  
1/8-1/4  
0.249 mi.  
1315 ft.

29TH ST &  
9TH AVENUE  
MANHATTAN, NY  
  
Site 2 of 3 in cluster AF

NY Spills S107407494  
N/A

Relative:  
Higher

SPILLS:

Facility ID: 0304602  
DER Facility ID: 73205  
Facility Type: ER  
Site ID: 216650  
DEC Region: 2  
Spill Date: 7/31/2003  
Spill Number/Closed Date: 0304602 / 7/31/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
29 ft.

SWIS: 3101  
Investigator: AERODRIG  
Referred To: Not reported  
Reported to Dept: 7/31/2003  
CID: 257  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/31/2003  
Spill Record Last Update: 8/25/2003  
Spiller Name: CALLER  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY -  
Spiller Company: 001  
Contact Name: RON ELLIOTT  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "RODRIGUEZ"E2MIS 149593Mr. Toto # 39043 upon inspection of Mobile Generator G.E. # 3981 at 11:30 Hrs.noticed storage tank for Amide's was empty { Cap. 150 gals. } product went into sewer located on 29 Strret and 9 Th. Ave. Manhattan. Reported no injuries, no fire or smoke MSDS form CAS # 57-13-6 was faxed to ERT Fax # 1-212-580-6915 (12:15). Product is non hazardous. Cause leaking filter housing. When water evaporates end residue is fertilizer.Toto # 39043 is sweeping up remainder of crystals and placing crystals into plastic bags. Reported by Mr. John Poje # 56778===JP After several attempts to uptain a valid E2IMS number since 11:30 finally system accepted. Official time contacted 12:57 C.I.G. Mr. Murphy # 76378 Update on 31-Jul-2003 Mr. Steve Covello, emp. # 76287, reported clean up complete.Update - 31-Jul-2003; OCCS desk made attempts to enter into E2MIS under numbers 149591 and 149595, in both cases there was a system error and E2MIS closed out without saving reports. Final entry is in 149593. Actual first time J. Poje notified CIG was 11:40 AM, at which time he was instructed to call the ERTdirect. this was due to the E2MIS not properly functioning and CIG requires an E2MIS number

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**29TH ST & (Continued)**

**S107407494**

Remarks: to read the report while they make their decisions.  
product is urea liquor - 70% is water non pretroleum based productless  
than 2% is ammonia

Material:

Site ID: 216650  
Operable Unit ID: 872858  
Operable Unit: 01  
Material ID: 505457  
Material Code: 0210A  
Material Name: UREA  
Case No.: 00614788  
Material FA: Hazardous Material  
Quantity: 150  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AF201**  
**ESE**  
**1/8-1/4**  
**0.249 mi.**  
**1315 ft.**

**MANHATTAN GENERAL MAIL FACILITY**  
**WEST 29TH & 9TH AVE**  
**NEW YORK, NY 10001**  
**Site 3 of 3 in cluster AF**

**CERC-NFRAP 1003864514**  
**NY6180000352**

**Relative:**  
**Higher**

CERC-NFRAP:  
Site ID: 0203777  
Federal Facility: Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:**  
**29 ft.**

CERCLIS-NFRAP Site Contact Details:

Contact Sequence ID: 2276359.00000  
Person ID: 2000168.00000  
  
Contact Sequence ID: 2276689.00000  
Person ID: 2000112.00000  
  
Contact Sequence ID: 13114955.00000  
Person ID: 2000112.00000  
  
Contact Sequence ID: 13120786.00000  
Person ID: 2000176.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: MANHATTAN GENERAL MAIL FACILITY  
Alias Address: WEST 29TH ST AND 9TH AVE  
NEW YORK, NY 10001

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY  
Date Started: / /  
Date Completed: 07/17/92

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHATTAN GENERAL MAIL FACILITY (Continued)**

**1003864514**

Priority Level: Not reported

Action: ARCHIVE SITE  
Date Started: / /  
Date Completed: 09/15/93  
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 09/15/93  
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

**AH202  
East  
1/8-1/4  
0.249 mi.  
1315 ft.**

**VAULT 3420  
406 W. 31ST ST  
MANHATTAN, NY**

**NY Spills S104511153  
N/A**

**Site 1 of 4 in cluster AH**

**Relative:  
Higher**

**SPILLS:**

Facility ID: 9914517  
DER Facility ID: 68230  
Facility Type: ER  
Site ID: 72251  
DEC Region: 2  
Spill Date: 3/23/2000  
Spill Number/Closed Date: 9914517 / 10/3/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:**

Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 3/23/2000  
CID: 322  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/23/2000  
Spill Record Last Update: 10/3/2003  
Spiller Name: CALLER  
Spiller Company: CON ED  
Spiller Address: 4 IRVING PL  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"e2mis no. 130-529:03/23/00 15:4 M.Reiter (27277) reports while doing a routine inspection found oil spill in V-3420 (feeder 16m64) at 406 w.31st st. Have 5 gallons of dielectric transformer fluid on the floor mixed in with dirt. There is also 1 ounce of water. Spill can be contained in 1-55 gallon drum. Took sample for

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**VAULT 3420 (Continued)**

**S104511153**

Remarks: PCB analysis. Cleanup is pending removal of unit. No entry into sewer or waterways. Will do a partial cleanup now. Lab Results Are As Follows: Aroclor 1260 - 18 PPM. Lab Seq #00-02731 Clean up completed at 0900 hours on 3/29/2000 utilizing flush truck. Transformer was removed and replaced on the same day.  
 unk equipment failure caused spill - clean up being started now con ed -130529

Material:  
 Site ID: 72251  
 Operable Unit ID: 1092562  
 Operable Unit: 01  
 Material ID: 292806  
 Material Code: 0541A  
 Material Name: DIELECTRIC FLUID  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 5  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AH203**  
**East**  
**1/8-1/4**  
**0.249 mi.**  
**1315 ft.**

**KINGSLAWN PRESS**  
**406 WEST 31ST ST**  
**MANHATTAN, NY**  
**Site 2 of 4 in cluster AH**

**NY Spills S104502164**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**28 ft.**

SPILLS:  
 Facility ID: 9606711  
 DER Facility ID: 216025  
 Facility Type: ER  
 Site ID: 265119  
 DEC Region: 2  
 Spill Date: 6/1/1996  
 Spill Number/Closed Date: 9606711 / 8/26/1996  
 Spill Cause: Deliberate  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: O'DOWD  
 Referred To: Not reported  
 Reported to Dept: 8/26/1996  
 CID: 365  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Citizen  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 8/26/1996

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KINGSLAWN PRESS (Continued)**

**S104502164**

Spill Record Last Update: 9/19/1996  
Spiller Name: 13TH FLOOR  
Spiller Company: KINGSLAWN PRESS  
Spiller Address: 406 WEST 31ST ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: 13TH FLOOR  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: 3 toilets on the 13th floor and the 1st toilet is stained a darker color due to all the printing chemicals that company is dumping down the toilet - also 3rd toilet is broken leaking large amounts of water

Material:  
Site ID: 265119  
Operable Unit ID: 1037850  
Operable Unit: 01  
Material ID: 345979  
Material Code: 0064A  
Material Name: UNKNOWN MATERIAL  
Case No.: Not reported  
Material FA: Other  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AA204  
SE  
1/8-1/4  
0.249 mi.  
1317 ft.**

**MANHOLE #39723  
WEST 26TH ST & 9TH AVE  
MANHATTAN, NY  
Site 6 of 6 in cluster AA**

**NY Spills S107409070  
N/A**

**Relative:  
Higher**

**Actual:  
22 ft.**

**SPILLS:**  
Facility ID: 0507440  
DER Facility ID: 300153  
Facility Type: ER  
Site ID: 352859  
DEC Region: 2  
Spill Date: 9/21/2005  
Spill Number/Closed Date: 0507440 / 1/12/2006  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
**SWIS:**  
Investigator: GDBREEN  
Referred To: Not reported  
Reported to Dept: 9/21/2005  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MANHOLE #39723 (Continued)**

**S107409070**

Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 9/21/2005  
 Spill Record Last Update: 10/13/2006  
 Spiller Name: ERT DESK  
 Spiller Company: MANHOLE #39723  
 Spiller Address: WEST 26TH /9TH AVE  
 Spiller City,St,Zip: MANHATTEN, NY  
 Spiller Company: 001  
 Contact Name: ERT DESK'  
 Contact Phone: (212) 580-8383  
 DEC Memo: 161156. 9/21 @ 10:20. On 9/21 at 10:05 Rist # 16899 reported to me that at N/W/C W 26 ST & 9 AV in M-39723 he discovered approx 1/2 gal of dielectric fluid on the floor of the Manhole mixed with dirt. No sewer/waterway affected, no fire/smoke involved, no private property affected, no injuries and weather did not contribute. The source of the spill is a Feeder cable on Feeder 13m64. and the cause is a leaky cable. The Feeder is out of service now according to the Finder. Environmantal tag # 49330 was hung. Sample for PCB was taken. Chain of custody # DD 09068 will be used. Cleanup will be scheduled as soon as UGcrews are available. Account # 42224. Logger R Pagano # 487039/21 @ 11:15. This incident has been changed back to a 72-HR Underground as per a conversation between Pellegrino & ERT. Logger R Pagano # 47803\*

Remarks: LEAKING FEEDER: NO TO 5QUESTIONS; CONED # 161156\*\*\*\*\*CANCEL\*\*\*CANCEL\*\*\*CANCEL\*\*\*

Material:  
 Site ID: 352859  
 Operable Unit ID: 1110332  
 Operable Unit: 01  
 Material ID: 2100345  
 Material Code: 0541A  
 Material Name: DIELECTRIC FLUID  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

205  
 SE  
 1/4-1/2  
 0.251 mi.  
 1327 ft.

263 9TH AVE  
 NEW YORK, NY 10001

EDR US Hist Auto Stat 1015374386  
 N/A

Relative:  
 Higher

EDR Historical Auto Stations:  
 Name: EXPRESSION ENGINES  
 Year: 2002  
 Address: 263 9TH AVE

Actual:  
 21 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015374386

Name: EXPRESSION ENGINES  
Year: 2003  
Address: 263 9TH AVE

AE206  
NE  
1/4-1/2  
0.253 mi.  
1336 ft.

396  
10TH AVE  
MANHATTAN, NY  
Site 2 of 2 in cluster AE

NY Spills S105056937  
N/A

Relative:  
Higher

SPILLS:

Facility ID: 0101080  
DER Facility ID: 211513  
Facility Type: ER  
Site ID: 258438  
DEC Region: 2  
Spill Date: 4/27/2001  
Spill Number/Closed Date: 0101080 / 8/22/2001  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Actual:  
30 ft.

SWIS:

Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 4/27/2001  
CID: 196  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/27/2001  
Spill Record Last Update: 9/30/2002  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: RIHCARD ROACH  
Contact Phone: (212) 580-6763  
DEC Memo:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"CON ED E2MIS REPORT 4-27-01Found 4gals. of an unknown oil & 60gals of water in MH-43452. Maintanance reported that he was unaware that he should have called in the incident when it was discovered. A sample was taken. No environmental impact. Sewer connection not verified. Cleanup will commence as soon as tanker and crew can be dispatched.LSN 01-05242 Aroclor 1242 <1.0ppm 1254 <1.0ppm 1248 <1.0ppm 1260 <1.0ppm5-01-01 1420hrs.UG supervisor reports that on 5-01-01 1400hrs. cleanup was completed and tag was removed. 1300gals. of oil and water mixture was pumped out and structure was double washed with slix.  
Remarks: caller states 4 gallons of unknown oil on 60 gallons of water in manhole 43452 spill no in process of clean up as of yet.con ed ref number 136699.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

396 (Continued)

S105056937

Material:

Site ID: 258438  
Operable Unit ID: 837982  
Operable Unit: 01  
Material ID: 536785  
Material Code: 9999  
Material Name: Other -  
Case No.: Not reported  
Material FA: Other  
Quantity: 4  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AI207  
WSW  
1/4-1/2  
0.255 mi.  
1346 ft.

PIER 63  
12TH AVE & 23RD ST  
NEW YORK, NY  
Site 1 of 4 in cluster AI

NY Spills S103573589  
N/A

Relative:  
Lower

SPILLS:

Facility ID: 9809460  
DER Facility ID: 151535  
Facility Type: ER  
Site ID: 180672  
DEC Region: 2  
Spill Date: 10/26/1998  
Spill Number/Closed Date: 9809460 / 10/28/1998  
Spill Cause: Abandoned Drums  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
3 ft.

SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 10/28/1998  
CID: 270  
Water Affected: HUDSON RIVER  
Spill Source: Unknown  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/28/1998  
Spill Record Last Update: 10/2/2003  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: WILL DRAWBRIDGE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PIER 63 (Continued)**

**S103573589**

Contact Phone: (212) 989-9090  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"HANDLED BY USCG.  
Remarks: caller states that drum floated into pier and is leaking drum is 55 gal  
Not reported

Material:  
Site ID: 180672  
Operable Unit ID: 1070531  
Operable Unit: 01  
Material ID: 316913  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AJ208  
NE  
1/4-1/2  
0.256 mi.  
1352 ft.

**VAULT #7168  
513 W 33 ST  
MANHATTAN, NY  
Site 1 of 5 in cluster AJ**

**NY Spills S106383893  
N/A**

**Relative:  
Higher**

SPILLS:  
Facility ID: 0313781  
DER Facility ID: 85158  
Facility Type: ER  
Site ID: 95204  
DEC Region: 2  
Spill Date: 3/17/2004  
Spill Number/Closed Date: 0313781 / 7/26/2004  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: SKARAKHA  
Referred To: Not reported  
Reported to Dept: 3/17/2004  
CID: 73  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/17/2004  
Spill Record Last Update: 7/26/2004  
Spiller Name: Not reported

**Actual:  
31 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**VAULT #7168 (Continued)**

**S106383893**

Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller Company: 001  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383  
DEC Memo: e2mis 152543D Pace # 13149 of I&A reported to me that Esposito # 13588 found while working in V-7168 on an "ABF" situation on Feeder M76 approx 1.5 gallons of unknown oil on top of leaves and debris. No sewer/waterway affected. The source and cause are unknown at this time. The spill is on the concrete structure. There is no standing water. There is a sewer connection. The sump pump was found disconnected upon arrival. The crew is taking apart the sump to verify that there was no release to the environment. Environmental tag # 41999 was hung. Two samples for PCB and ID will be taken. No cleanup action taken at this time. Pagano spoke to Pace of I&A and he informed me that when the trap was taken apart there was no sign of oil. There was just plain water. D Pace verified that there exists a bottom leak and the oil seems to have come from the unit, but the leaves and debris are keeping him from making a positive conclusion. Lab Sequence Number: 04-02036-001: TOTAL PCB 28 ppm Lab Sequence Number: 04-02040-001: Analysis indicates the presence of a substance similar to a dielectric fluid. A partial cleanup was done on 5/17/04 It was started at 15:00 & finished at 23:30. The tanker removed 380 gallons of water/oil from the floor of the vault and removed 250 gallons of oil out of the transformer. 5/18/04 07:10 V. Mirance # 58484 Cable/Cleanup supervisor called & spoke to M. Casalta # 12684 and stated that the final cleanup was completed at 07:00 on 5/18/04. The structure was double washed with slix & rinsed down. Spill tag # 41999 was removed. The source of the spill was the transformer and it was removed & replaced.

Remarks: 1/2 GAL OF UNKNOWN OIL FOUND IN A MANHOLE. NO CLEAN UP IN PROGRESS.

Material:  
Site ID: 95204  
Operable Unit ID: 880860  
Operable Unit: 01  
Material ID: 495372  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**AJ209**  
**NE**  
**1/4-1/2**  
**0.256 mi.**  
**1352 ft.**

**513 WEST 33RD STREET**  
**MANHATTAN, NY**

**NY Spills**    **S106016256**  
**N/A**

**Site 2 of 5 in cluster AJ**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0304131  
DER Facility ID: 214881  
Facility Type: ER  
Site ID: 263597  
DEC Region: 2  
Spill Date: 7/19/2003  
Spill Number/Closed Date: 0304131 / 2/10/2004  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**31 ft.**

**SWIS:**

Investigator: AERODRIG  
Referred To: Not reported  
Reported to Dept: 7/19/2003  
CID: 266  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/19/2003  
Spill Record Last Update: 2/10/2004  
Spiller Name: Not reported  
Spiller Company: CON EDISON  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: NEW YORK, NY 10003  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported

**DEC Memo:**

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "RODRIGUEZ"e2mis 149379On 7/17 @ 04:29, Griffing # 14428 of FOD reported to me that he found approx 5 gallons of unknown oil in V-6145. The source and the cause of the spill is unknown. The spill was on the concrete structure floor. At that time he saw what might be oil in the sump but no indication at that time that there might be a release. After further investigation where the finder used his flashlight to see into the sump he noticed that the drain pipe was coated with oil on the inside of the pipe, but not full of oil - there may possibly be a release to the environment. Two samples are being taken by the finder for PCB and ID. UPDATE 7/19 @ 05:26 Conduit Plate # 23-D-2 shows that the bank of vaults with ath above structure in it is connected to M-6088 which has a sewer connection. At this time a partial cleanup is in progress and the unit will be drained and disconnected as soon as the feeder is taken out of service. Capacity of unit is 380 gallon and oil reading is just above the below min line. Unit has been drained of 375 gallons and the Unit also has been disconnected. Lab Sequence Number: 03-05966-001 PCB 6 ppm7/21/03 M. Prystupa # 02394 went to the location on this day at

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106016256

Remarks: 10:00 & found that the transformer was disconnected & he found that there is no evidence of any oil in the trap just water. The transformer is ready to be removed. 9/5/03 clean up is complete as of this time as reported by E. Hulser #39723 O.S Cable Dept. One barrel of rock & soil was filled, flush truck removed water & oil mix. Vault was washed twice with slix, and tag #34595 was removed. Supervisor Hulser confirmed the removal of the transformer.  
VAULT 6145. 5 GALLONS UNKNOWN OIL FOUND IN THE VAULT. THERE IS A PIPE IN THE VAULT THAT LEADS TO A SEWER, AND THERE'S OILY RESIDUE ON THE PIPE. THEY ASSUME THAT OIL GOT INTO THE SEWER. SAMPLES TO BE TAKEN. CLEAN UP PENDING RESULTS. CON EDISON REFERENCE NUMBER NOT AVAILABLE AT THIS TIME.

Material:  
Site ID: 263597  
Operable Unit ID: 872390  
Operable Unit: 01  
Material ID: 504994  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AK210  
SSW  
1/4-1/2  
0.258 mi.  
1361 ft.

548 WEST 22ND ST  
548 WEST 22ND ST  
NEW YORK, NY  
Site 1 of 3 in cluster AK

NY Spills S109371584  
N/A

Relative:  
Lower

SPILLS:  
Facility ID: 0806879  
DER Facility ID: 353425  
Facility Type: ER  
Site ID: 404181  
DEC Region: 2  
Spill Date: 9/17/2008  
Spill Number/Closed Date: 0806879 / Not Closed  
Spill Cause: Unknown  
Spill Class: Not reported  
SWIS: 3101  
Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 9/18/2008  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported

Actual:  
8 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

548 WEST 22ND ST (Continued)

S109371584

Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 1  
Date Entered In Computer: 9/18/2008  
Spill Record Last Update: 1/20/2011  
Spiller Name: SPYROS ARSENIS  
Spiller Company: SPYROS ARSENIS  
Spiller Address: 548 WEST 22ND ST  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 999  
Contact Name: JAMIE BARR  
Contact Phone: Not reported  
DEC Memo: Rec'd report of investigation, will review it shortly.(sr)10/27/08  
The site had a 5,000 gal UST closed in place in 1990. Petroleum like substance was found during a geotechnical investigation in september 2008. Sample results showed the characteristics of diesel fuel and No.2 fuel oils with an estimated age of 19.8. Langan proposed for delineation of contamination via ten soil borings and four temporary monitoring wells installation on site. The plan is approved verbally to Langan(Sue Bianchetti).Phase I and Work Plan in file cabinet.(sr)01/12/09 Rec'd investigation summary report prepared by Langan Engineering. The site is presently occupied by a four story building.A 5,000 gallon UST was closed in place in 1990.A total of 18 soil borings were installed at the site.Ground water was encountered at 6-7 ft bgs.Six ground water samples were taken from seven of the wells.VOCs were not detected in soil/ground water samples. PAHs were detected in soil and ground water. A free petroleum product sample was collected from EB-4/GW-3.Results of the finger print analysis of the free product from EB-4/GW-3 confirms that a spill of fuel oil exists in that area.EB-4/GW-3 is located directly downgradient and adjacent to the test pit that contained oil during the original geotechnical study.Though analyticals were below applicable standards for soil samples, petroleum odors and/or staining were noted in the soil samples from few borings.Free product was encountered in five wells.Langan recommends that a RAP and CHASP be prepared to address proposed remediation work at the site.(sr)05/07/09 Spoke with Susan Bianchetti of Langan Engineering today. RAP has been prepared, currently under review by the client,will be forwarded to DEC in two weeks for approval.(sr)05/27/10 Hydro Tech performed site assessment. GPR survey identified one anomaly to the east of the boiler room.Free product plume was identified to the southwestern portion of the site. Four monitoring wells(MW-2 to MW-5) contained free product.Product thickness ranged from 0.01 ft to 0.26 ft.No dissolve VOCs or SVOCs were detected in ground water samples. Two test pits were installed at the site to confirm the anomaly. No UST or pipings were found in the test pit.No petroleum related contamination identified within the test pit.Ten soil probes were installed at the site.Five of the soil samples were converted into monitoring wells. Site specific ground water flow direction was determined to be toward west.MWs containing free product were not sampled.No free product found in MW-1.Enhanced Fluid Recovery(EFR) on a weekly basis is proposed.(sr)08/10/10 EFR event was conducted on July 23, 2010. Eight monitoring wells on site.No free product was observed in MW-1, MW-6, MW-7 & MW-8. Free product observed in MW-2, MW-3,MW-4 and MW-5.(sr)01/20/11 Vacuum recovery of free product was performed three times in Dec 2010.Free product was detected in MW-2 through MW-5.(sr)  
Remarks: During test borings callers company found pre product sitting on the

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

548 WEST 22ND ST (Continued)

S109371584

water table.

Material:

Site ID: 404181  
Operable Unit ID: 1160853  
Operable Unit: 01  
Material ID: 2152037  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AK211  
SSW  
1/4-1/2  
0.258 mi.  
1364 ft.

MANHOLE 24185  
518 - 22 W 204 ST  
MANHATTAN, NY  
Site 2 of 3 in cluster AK

NY Spills S103939162  
N/A

Relative:  
Lower

SPILLS:

Facility ID: 9903826  
DER Facility ID: 145357  
Facility Type: ER  
Site ID: 172721  
DEC Region: 2  
Spill Date: 7/2/1999  
Spill Number/Closed Date: 9903826 / 1/30/2004  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
10 ft.

SWIS: 3101  
Investigator: CAENGELH  
Referred To: Not reported  
Reported to Dept: 7/2/1999  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/2/1999  
Spill Record Last Update: 9/14/2006  
Spiller Name: UNKNOWN  
Spiller Company: UNKNOWN  
Spiller Address: UNKNOWN  
Spiller City,St,Zip: UNKNOWN, NY  
Spiller Company: 999

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE 24185 (Continued)**

**S103939162**

Contact Name: STEVE ROMERO  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"e2mis no. 126050:APPROXIMATELY 5 GAL. OF AN UNKNOWN OIL SUBSTANCE MIXED WITH 250 GAL. OF WATER. SAMPLE WAS TAKEN. NO CLEANUP ACTION WAS TAKEN PENDING TEST RESULTS.LAB SEQUENCE # 99-06933AROCOR - 1254 PCB - 10 PPMDATE AND TIME THE CLEANUP COMPLETED : 7/3/99 , 08:00. CLEANUP PROCEDURE : OIL AND WATER REMOVED VIA TANKER UNDER < 50 PPM, SHOVEL LEAD CONTAMINATED MUD AND SOLID WASTE IN 55 GAL DRUMS, WAS DOUBLE WASHED WITH BIO-GENESIS SOLUTION,MANHOLE WAS THEN RINSED BY FLUSH TRUCK.  
Remarks: 5 GAL FOUND IN MANHOLE ON 250 GAL WATER. SAMPLE TAKEN CLEANUP PENDING TEST RESULTS #126050

Material:  
Site ID: 172721  
Operable Unit ID: 1078311  
Operable Unit: 01  
Material ID: 303728  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 5  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AD212  
SE  
1/4-1/2  
0.260 mi.  
1373 ft.

400 WEST 25TH STREET  
400 WEST 25TH STREET  
MANHATTAN, NY  
Site 3 of 3 in cluster AD

NY LTANKS S103517586  
NY AST N/A

Relative:  
Higher

LTANKS:  
Site ID: 300724  
Spill Number/Closed Date: 9310011 / 11/17/1993  
Spill Date: 11/17/1993  
Spill Cause: Tank Overfill  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 11/17/1993  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: CAMMISA  
Referred To: Not reported  
Reported to Dept: 11/17/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False

Actual:  
20 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**400 WEST 25TH STREET (Continued)**

**S103517586**

Remediation Phase: 0  
Date Entered In Computer: 11/18/1993  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*, ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 243240  
DEC Memo: Not reported  
Remarks: POSSIBLE GAGE CONTAINED ON SIDEWALK - DRIVER APPLIED SORBENT - P/U.

Material:

Site ID: 300724  
Operable Unit ID: 991716  
Operable Unit: 01  
Material ID: 392649  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -3  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AST:

Region: STATE  
DEC Region: 2  
Site Status: Active  
Facility Id: 2-252107  
Program Type: PBS  
UTM X: 584413.37684000004  
UTM Y: 4511244.6360999998  
Expiration Date: 2017/11/16

Affiliation Records:

Site Id: 10145  
Affiliation Type: Owner  
Company Name: ELK INVESTORS  
Contact Type: MEMBER  
Contact Name: JM GALANIS  
Address1: 489 FIFTH AVENUE  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10017  
Country Code: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

400 WEST 25TH STREET (Continued)

S103517586

Phone: (212) 371-5050  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 12/13/2012

Site Id: 10145  
Affiliation Type: Mail Contact  
Company Name: ELK INVESTORS  
Contact Type: Not reported  
Contact Name: SHAZ MOSSANEN  
Address1: 489 FIFTH AVENUE 7TH FLOOR  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10017  
Country Code: 001  
Phone: (212) 371-5050  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: MSBAPTIS  
Date Last Modified: 12/18/2012

Site Id: 10145  
Affiliation Type: On-Site Operator  
Company Name: 400 WEST 25TH STREET  
Contact Type: Not reported  
Contact Name: CHARLIE SALIBA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (646) 296-6818  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: dxliving  
Date Last Modified: 1/8/2008

Site Id: 10145  
Affiliation Type: Emergency Contact  
Company Name: ELK INVESTORS  
Contact Type: Not reported  
Contact Name: JIM GALANIS  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 371-5050  
Phone Ext: Not reported  
Email: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**400 WEST 25TH STREET (Continued)**

**S103517586**

Fax Number: Not reported  
Modified By: TRANSLAT  
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 001  
Tank Id: 11818

Equipment Records:

C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
E00 - Piping Secondary Containment - None  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None  
G04 - Tank Secondary Containment - Double-Walled (Underground)  
K00 - Spill Prevention - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: In Service  
Pipe Model: Not reported  
Install Date: 12/01/1979  
Capacity Gallons: 2500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: MSBAPTIS  
Last Modified: 12/13/2012

AJ213  
NE  
1/4-1/2  
0.260 mi.  
1375 ft.

**CORNER  
33RD ST / 10 TH AVE  
MANHATTAN, NY**

**NY Spills S109206409  
N/A**

**Site 3 of 5 in cluster AJ**

**Relative:  
Higher**

SPILLS:

Facility ID: 0804550  
DER Facility ID: 350718  
Facility Type: ER  
Site ID: 401478  
DEC Region: 2  
Spill Date: 7/21/2008  
Spill Number/Closed Date: 0804550 / 7/28/2008  
Spill Cause: Abandoned Drums  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**Actual:  
31 ft.**

SWIS: 3101  
Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 7/21/2008  
CID: 408

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CORNER (Continued)**

**S109206409**

Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 7/21/2008  
 Spill Record Last Update: 7/28/2008  
 Spiller Name: Not reported  
 Spiller Company: UNKOWN;  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ  
 Spiller Company: 001  
 Contact Name: MIKE MCNAMARA  
 Contact Phone: (212) 563-2135  
 DEC Memo: Sangesland told Super to call city 311 to have DEP remove gasoline. Sangesland spoke to DEP, since it is above "flash point" they will take it.

Remarks: it smells like gasoline; requesting a call so that he can just rid of them ; 3 5 gallon buckets;

Material:  
 Site ID: 401478  
 Operable Unit ID: 1158266  
 Operable Unit: 01  
 Material ID: 2149322  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

AJ214  
 NE  
 1/4-1/2  
 0.260 mi.  
 1375 ft.

**WEST SIDE YARD  
 401 10TH AVE  
 MANHATTAN, NY**  
 Site 4 of 5 in cluster AJ

**NY Spills S109827156  
 N/A**

**Relative:  
 Higher**

SPILLS:  
 Facility ID: 0903741  
 DER Facility ID: 364942  
 Facility Type: ER  
 Site ID: 415863  
 DEC Region: 2  
 Spill Date: 6/30/2009  
 Spill Number/Closed Date: 0903741 / 8/12/2009  
 Spill Cause: Equipment Failure  
 Spill Class: Possible release with minimal potential for fire or hazard or Known

**Actual:  
 31 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST SIDE YARD (Continued)**

**S109827156**

release with no damage. DEC Response. Willing Responsible Party.  
Corrective action taken.

SWIS: 3101  
Investigator: RMPIPER  
Referred To: Not reported  
Reported to Dept: 6/30/2009  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/30/2009  
Spill Record Last Update: 8/12/2009  
Spiller Name: Not reported  
Spiller Company: Long Island Railroad  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 001  
Contact Name: AL ALBANO  
Contact Phone: (516) 523-0894  
DEC Memo: During quartely monitoring of transformers, crew noticed stains in four locations. of the four, three were minor though one was heavily stained. this area is a tight space adjacent to the building. Currently there is a different contractor working the area further hampering the cleanup. They are scheduled to work on friday. The oil does not contain pcb's (r-temnp)though they will contact us back with numbers. He will forward report when complete, manifrests and analytical are in.DEC Piper- I recieved and reviewed closure report documenting removal of contaminated soil and ballast. Endpoints revealed low level SVOC's. Area was backfilled. Based on work to date, this spill is closed. See e-docs if warranted.

Remarks: slow leak discovered in transformer in rail yard today, unk how much leaked or when the leak started.

Material:  
Site ID: 415863  
Operable Unit ID: 1172190  
Operable Unit: 01  
Material ID: 2164052  
Material Code: 0020A  
Material Name: TRANSFORMER OIL  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AJ215**  
**NE**  
**1/4-1/2**  
**0.260 mi.**  
**1375 ft.**

**LIRR - WEST SIDE YARDS**  
**10TH AVE BET 31ST & 33RD**  
**MANHATTAN, NY**

**NY Spills**    **S106127120**  
**N/A**

**Site 5 of 5 in cluster AJ**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**31 ft.**

Facility ID: 0330049  
 DER Facility ID: 79131  
 Facility Type: ER  
 Site ID: 86216  
 DEC Region: 2  
 Spill Date: 12/18/2003  
 Spill Number/Closed Date: 0330049 / 6/8/2005  
 Spill Cause: Unknown  
 Spill Class: Not reported  
 SWIS: 3101  
 Investigator: MCTIBBE  
 Referred To: Not reported  
 Reported to Dept: 12/18/2003  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: DEC  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 12/23/2003  
 Spill Record Last Update: 6/8/2005  
 Spiller Name: Not reported  
 Spiller Company: LIRR  
 Spiller Address: WEST SIDE YARD  
 Spiller City,St,Zip: HOLLIS, NY 11423-001  
 Spiller Company: 001  
 Contact Name: LEW WUNDERLICK  
 Contact Phone: Not reported  
 DEC Memo:  
 Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEMO"12/18/03 TJDVapors are emanating from an ejector pit (est. capacity 100k gal) A thin layer of diesel was floating on top of water inside pit. LIRR was directed to pump pit, removed debris and pressure wash collecting wash water. All work performed in accordance with directive. Trackdown investigation did not reveal source. LIRR directed to monitor pit for minimum of two weeks.12/19/03 TJDVapors returned in afternoon. DEC responded. DEP notified and responded. DEP investigation revealed that LIRR yard is hydraulically seperate from NYC sewer system, therefore, vapors must be emanating from LIRR property. Trackdown investigation again did not reveal source. Vapor condition began to disipate inside control tower bldg. LIRR directed to ventilate space and continue to monitor.12/22/03 TJD LIRR contacted. Vapors have not returned. Continuing to monitor.1/23/04 TJDThe following notes are copied from an e-mail meesage received from LIRR pertaing to this spill event:Per my discussions earlier today with Tim Fiske (LIRR Electrician), the Control Tower and ejector pit have been monitored since December 18, 2003 for the presence of petroleum odors and oil sheens. The petroleum odor, previously detected throughout most of the building, has dissipated;

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIRR - WEST SIDE YARDS (Continued)**

**S106127120**

Remarks: however, a faint odor remains in the ejector pit. Additionally, a light oil sheen has once again been detected at the bottom of the ejector pit. The current sheen may be the result of oil residue that has been hung up in the yard's drainage system. Recent precipitation may have resulted in this release. The LIRR plans to once again clean the ejector pit and all pumping equipment. Additionally, booms will be placed at both influent pipes at the bottom of the pit. The booms will help to isolate any residual oil that may enter the pit and will aid in identifying the source of the oil. A monitoring log will continue to be maintained for ejector pit observations and the documentation of petroleum odors in the building. I have scheduled an onsite meeting for Monday January 26th at 9:00 AM with AB Oil to plan the clean out and pumping of the ejector pit. If AB's personnel and equipment are available, work will be performed on Tuesday January 27th. I will advise you of our plans after meeting with AB Oil. Lew Wunderlich Environmental Engineer - LIRR System Safety 718-558-32523/23/05 - Austin - Transferred from DeMeo to Tibbe - end 06/8/05: LIRR cleaned pit again on 01/27/04. Sample of water taken from the pit. Results: ND. Pit was monitored thru April 13, 2004 without reoccurrence of odor or sheen. At least one heavy rain event but still no odor or sheen. MCT.  
 LIRR reporting the control tower at West Side Storage Yard is being impacted by Diesel vapors. FDNY responded and temporarily evacuated bldg. LIRR to investigate problem.

Material:  
 Site ID: 86216  
 Operable Unit ID: 881447  
 Operable Unit: 01  
 Material ID: 496550  
 Material Code: 0008  
 Material Name: Diesel  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AH216 OFFICE BUILDING**  
**East 406 WEST 31ST STREET**  
**1/4-1/2 NEW YORK, NY 10001**  
**0.261 mi.**  
**1376 ft. Site 3 of 4 in cluster AH**

**NY Spills S106127057**  
**N/A**

**Relative: Higher** SPILLS:  
 Facility ID: 0310638  
 DER Facility ID: 21754  
**Actual: 30 ft.** Facility Type: ER  
 Site ID: 65001  
 DEC Region: 2  
 Spill Date: 12/15/2003  
 Spill Number/Closed Date: 0310638 / 3/21/2007  
 Spill Cause: Equipment Failure

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OFFICE BUILDING (Continued)**

**S106127057**

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101

Investigator: SFRAHMAN

Referred To: Not reported

Reported to Dept: 12/15/2003

CID: Not reported

Water Affected: Not reported

Spill Source: Commercial/Industrial

Spill Notifier: Local Agency

Cleanup Ceased: Not reported

Cleanup Meets Std: False

Last Inspection: Not reported

Recommended Penalty: False

UST Trust: False

Remediation Phase: 0

Date Entered In Computer: 12/15/2003

Spill Record Last Update: 3/21/2007

Spiller Name: Not reported

Spiller Company: Not reported

Spiller Address: Not reported

Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ

Spiller Company: 001

Contact Name: MATTHEW STANLEY

Contact Phone: (212) 273-5097

DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SAWYER"12/15/2003 Sangesland spoke with Matthew Stanley (212-273-5097) of NY State Dormatory Authority. His group is looking at buying this building to use as a college dorm.As part of a phase 1/2 the consultant saw a sealed fill port and an active fill port. Both had evidence of oil staining around them. 2 borings were done adjacent to these fill ports and heavy contamination was found down to approx 4-5 ft deep. At 6-8' deep there did NOT appear to be any problems.Sent Contaminated Soil Letter to:406 Realty LLC/o The Expansion Group Inc.250 West 57th StreetNY, NY 10107Attn: Johny Melohn12/21/05 Sharif// I spoke with Matthew Stanley of NYS Dormatory Authority . He said the property is currently owned by Fashion Institute of Technology(FIT)and they are building a residential unit for students. NYS Dorm. Authority is providing the financial assistance to FIT for building the Dorm.Mr. Paul Goncalves,(212)273-5043 is the Construction Project Manager on behalf of NYS Dorm. Authority.I left a message for Paul to follow up about the current status of the clean up. 02/23/06 Sharif Rahman- Another CSL was sent toFashion Institute of TechnologySeventh Avenue at 27th StreetNew York, NY 10001Attn: Harbey W Spector, Vice President03/31/06 Sharif Rahman- As per Paul's request, CSL was sent via fax #212-273-5121.Address of NYS Dormatory Authority in NYC One Penn Plaza, 52nd Floor New York, New York 10119-0098 212-273-5000 Fax: 212-273-512105/08/06 Sharif Rahman- Repeated failure to get any response from the RP required to send csl again, via certified mail(7099 3220 0010 3990 0800) toNYS Dormatory AuthorityOne Penn Plaza,52nd FloorNew York, NY 10119Attn: Paul Goncalves03/15/07 Rahman- Contact @ Persons & Brimkerhoff is Mike Johnston,(212)631-3705, if not call John Faeth,(212)465-541103/21/07 Rahman- RAP and final closure report on edocs.Side walk was removed to facilitate the excavation of contaminated soil.A totalof 65.34 tons of contaminated soil was removed for disposal from the area of

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**OFFICE BUILDING (Continued)**

**S106127057**

Remarks: concern.Four post excavation samples did not identify any voc/svocs above TAGM.Area was backfilled.Waste manifest was provided to DEC.NFA required.  
 outside on sidewalk from overfiling the tank. soil borings showed some kind of petroluem in ground. unknown how long or how much.will be doing more soil borings, to see how deep .

Material:  
 Site ID: 65001  
 Operable Unit ID: 875719  
 Operable Unit: 01  
 Material ID: 499487  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Pounds  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AL217**  
**East**  
**1/4-1/2**  
**0.261 mi.**  
**1379 ft.**

**MORGAN P AND DC**  
**341 9TH AVENUE**  
**MANHATTAN, NY**  
**Site 1 of 6 in cluster AL**

**NY Spills S104501968**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**  
 Facility ID: 9604894  
 DER Facility ID: 107372  
 Facility Type: ER  
 Site ID: 123886  
 DEC Region: 2  
 Spill Date: 7/15/1996  
 Spill Number/Closed Date: 9604894 / 7/15/1996  
 Spill Cause: Human Error  
 Spill Class: No spill occurred. No DEC Response. No corrective action required.  
 SWIS: 3101  
 Investigator: TOMASELLO  
 Referred To: Not reported  
 Reported to Dept: 7/15/1996  
 CID: 266  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 7/15/1996  
 Spill Record Last Update: 8/28/1996  
 Spiller Name: JAY SHEMWELL

**Actual:**  
**31 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MORGAN P AND DC (Continued)**

**S104501968**

Spiller Company: US POSTAL SERVICE  
Spiller Address: 421 8TH AVENUE, ROOM 5021  
Spiller City,St,Zip: NEW YORK, NY 10199-9900  
Spiller Company: 001  
Contact Name: HUGH NASH  
Contact Phone: (212) 330-2198  
DEC Memo: Not reported  
Remarks: MAINTENANCE PERSON LEFT CAP OFF A CONDENSER. CAP REPLACED.

Material:

Site ID: 123886  
Operable Unit ID: 1032504  
Operable Unit: 01  
Material ID: 347651  
Material Code: 0328C  
Material Name: ISOTRON-12  
Case No.: 00075718  
Material FA: Hazardous Material  
Quantity: 5000  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AM218  
NW  
1/4-1/2  
0.262 mi.  
1383 ft.**

**30TH ST HELIPORT/MANH  
30TH STREET HELIPORT  
NEW YORK CITY, NY**

**NY LTANKS S100167672  
N/A**

**Site 1 of 8 in cluster AM**

**Relative:  
Lower**

LTANKS:

**Actual:  
10 ft.**

Site ID: 167220  
Spill Number/Closed Date: 8901091 / 11/12/1992  
Spill Date: 5/4/1989  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 11/12/1992  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SJMILLER  
Referred To: Not reported  
Reported to Dept: 5/4/1989  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 5/5/1989  
Spill Record Last Update: 1/23/1998  
Spiller Name: Not reported  
Spiller Company: PORT AUTHORITY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**30TH ST HELIPIPORT/MANH (Continued)**

**S100167672**

Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 140883  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MILLER"DEC SIGONA REASSIGNED TO MILLER ON 1/23/98  
Remarks: (8) 550 GALLON TANKS, SYSTEMS TEST FAILURE, HORNER EZY CHECK, LEAK RATE -.25GPH, WILL EXCAVATE, ISOLATE & RETEST.

Material:  
Site ID: 167220  
Operable Unit ID: 927224  
Operable Unit: 01  
Material ID: 452400  
Material Code: 0011  
Material Name: Jet Fuel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 167220  
Spill Tank Test: 1535418  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

AM219  
NW  
1/4-1/2  
0.262 mi.  
1383 ft.

W 30TH ST/HELIPIPORT/MANH  
W. 30TH ST, 12TH AVE  
NEW YORK CITY, NY  
Site 2 of 8 in cluster AM

NY Spills S102141921  
N/A

Relative:  
Lower

SPILLS:  
Facility ID: 8902972  
DER Facility ID: 142686  
Facility Type: ER  
Site ID: 169485  
DEC Region: 2  
Spill Date: 6/21/1989  
Spill Number/Closed Date: 8902972 / 11/12/1992  
Spill Cause: Equipment Failure  
Spill Class: Known release that creates a file or hazard. DEC Response. Willing

Actual:  
10 ft.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**W 30TH ST/HELIPORT/MANH (Continued)**

**S102141921**

Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: SJMILLER  
 Referred To: Not reported  
 Reported to Dept: 6/21/1989  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Tank Tester  
 Cleanup Ceased: 11/12/1992  
 Cleanup Meets Std: True  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 6/23/1989  
 Spill Record Last Update: 10/1/2002  
 Spiller Name: Not reported  
 Spiller Company: PORT AUTHORITY  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MILLER"DEC SIGONA REASSIGNED TO MILLER ON 1/23/98  
 Remarks: PUMPED OUT 250 GALLON OF OIL & WATER, JOE GALLAGHER & PT AUTHORITY WILL INVESTIGATE & HAVE SUPERIOR TANK & PUMP CONTRACTOR DO CLEAN UP.

Material:  
 Site ID: 169485  
 Operable Unit ID: 928514  
 Operable Unit: 01  
 Material ID: 450644  
 Material Code: 0011  
 Material Name: Jet Fuel  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 300  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AM220**  
**NW**  
**1/4-1/2**  
**0.262 mi.**  
**1383 ft.**

**W 30TH HELIPORT/MANHATTAN**  
**W 30TH ST HELIPORT**  
**NEW YORK CITY, NY**  
**Site 3 of 8 in cluster AM**

**NY LTANKS** **S100167700**  
**N/A**

**Relative:**  
**Lower**

LTANKS:  
 Site ID: 219617  
 Spill Number/Closed Date: 8903300 / 12/30/2003  
 Spill Date: 6/29/1989  
 Spill Cause: Tank Test Failure

**Actual:**  
**10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**W 30TH HELIPORT/MANHATTAN (Continued)**

**S100167700**

Spill Source: Institutional, Educational, Gov., Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SJMILLER  
Referred To: Not reported  
Reported to Dept: 6/29/1989  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 6/30/1989  
Spill Record Last Update: 12/30/2003  
Spiller Name: Not reported  
Spiller Company: PORT AUTHORITY OF NY  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 181626  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was  
"MILLER"DEC SIGONA REASSIGNED TO MILLER ON 1/23/98REFER TO SPILL NO.  
8903684.  
Remarks: 4 (550) TANKS FAILED HORNER EZY CHECK WITH A LEAK RATE OF .2756GPH,  
PORT AUTHORITY ON SCENE, PUMP TANKS DOWN, RETEST, ISOLATE TANK.

Material:  
Site ID: 219617  
Operable Unit ID: 930790  
Operable Unit: 01  
Material ID: 447405  
Material Code: 0064A  
Material Name: UNKNOWN MATERIAL  
Case No.: Not reported  
Material FA: Other  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:  
Site ID: 219617  
Spill Tank Test: 1535664  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**W 30TH HELIPORT/MANHATTAN (Continued)**

**S100167700**

Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

**AN221**  
**SSE**  
**1/4-1/2**  
**0.262 mi.**  
**1386 ft.**

**410 W 24TH ST**  
**NEW YORK, NY 10011**

**EDR US Hist Cleaners 1015056871**  
**N/A**

**Site 1 of 8 in cluster AN**

**Relative:**  
**Higher**

EDR Historical Cleaners:

Name: LONDON TER CLEANERS  
Year: 2004  
Address: 410 W 24TH ST

**Actual:**  
**18 ft.**

Name: LONDON TERRACE CLEANERS  
Year: 2008  
Address: 410 W 24TH ST

Name: LONDON TERRACE CLEANERS  
Year: 2010  
Address: 410 W 24TH ST

Name: LONDON TERRACE CLEANERS  
Year: 2011  
Address: 410 W 24TH ST

Name: LONDON TERRACE CLEANERS  
Year: 2012  
Address: 410 W 24TH ST

**AI222**  
**WSW**  
**1/4-1/2**  
**0.263 mi.**  
**1387 ft.**

**12TH AVE & W. 23RD ST**  
**12TH AVE & W. 23RD ST**  
**MANHATTAN, NY**

**NY Spills S102150712**  
**N/A**

**Site 2 of 4 in cluster AI**

**Relative:**  
**Lower**

SPILLS:

Facility ID: 9506638  
DER Facility ID: 187005  
Facility Type: ER  
Site ID: 226562  
DEC Region: 2  
Spill Date: 8/30/1995  
Spill Number/Closed Date: 9506638 / 8/30/1995  
Spill Cause: Abandoned Drums  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**2 ft.**

SWIS: 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 8/30/1995  
CID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

12TH AVE & W. 23RD ST (Continued)

S102150712

Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Federal Government  
Cleanup Ceased: 8/30/1995  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/29/1995  
Spill Record Last Update: 4/22/2005  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"  
Remarks: ABANDONED DRUM LEFT ON CORNER - SANITATION WORKERS FOUND IT ON ROUTE - DRUM LEFT ON THE CORNER

Material:  
Site ID: 226562  
Operable Unit ID: 1021410  
Operable Unit: 01  
Material ID: 364601  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 55  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AI223  
WSW  
1/4-1/2  
0.263 mi.  
1387 ft.

BUS TERMINAL  
23RD ST & 12TH AV  
MANHATTAN, NY  
Site 3 of 4 in cluster AI

NY Spills S104879911  
N/A

Relative:  
Lower

SPILLS:

Facility ID: 0008529  
DER Facility ID: 262580  
Facility Type: ER  
Site ID: 325960  
DEC Region: 2  
Spill Date: 10/21/2000  
Spill Number/Closed Date: 0008529 / 4/5/2001  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
2 ft.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BUS TERMINAL (Continued)**

**S104879911**

SWIS: 3101  
 Investigator: MCTIBBE  
 Referred To: Not reported  
 Reported to Dept: 10/21/2000  
 CID: 211  
 Water Affected: Not reported  
 Spill Source: Commercial Vehicle  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 10/21/2000  
 Spill Record Last Update: 4/5/2001  
 Spiller Name: Not reported  
 Spiller Company: NYC TRANSIT AUTHORITY  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ -  
 Spiller Company: 001  
 Contact Name: CHARLES BURRUS  
 Contact Phone: (718) 671-0699  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"CONTAINED AND CLEANED BY NYCT.  
 Remarks: UNK MECHANICAL PROBLEM WITH BUS CAUSED SPILL - SPILL CLEANED UP

Material:  
 Site ID: 325960  
 Operable Unit ID: 830985  
 Operable Unit: 01  
 Material ID: 546034  
 Material Code: 0008  
 Material Name: Diesel  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 5  
 Units: Gallons  
 Recovered: 5  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AI224**  
**WSW**  
**1/4-1/2**  
**0.263 mi.**  
**1387 ft.**

**SEWAGE REGULATOR AT**  
**12TH AV & W 23 RD ST**  
**MANHATTAN, NY**  
**Site 4 of 4 in cluster AI**

**NY Spills S103936918**  
**N/A**

**Relative:**  
**Lower**

SPILLS:  
 Facility ID: 9901342  
 DER Facility ID: 217349  
 Facility Type: ER  
 Site ID: 266841  
 DEC Region: 2  
 Spill Date: 5/4/1999

**Actual:**  
**2 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SEWAGE REGULATOR AT (Continued)**

**S103936918**

Spill Number/Closed Date: 9901342 / 5/4/1999  
Spill Cause: Other  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 5/4/1999  
CID: 365  
Water Affected: HUDSON RIVER  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/4/1999  
Spill Record Last Update: 7/25/2000  
Spiller Name: NYC DEP  
Spiller Company: NYC DEP  
Spiller Address: 4 NERVERSINK DR  
Spiller City,St,Zip: PORT JERVIS, NY - 001  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"REFER TO SPDES

Remarks: BLOCKAGE IN REGULATOR CHAMBER CAUSED SPILL - EMPLOYEES TRYING TO CLEAR IT NOW

Material:  
Site ID: 266841  
Operable Unit ID: 1076123  
Operable Unit: 01  
Material ID: 304884  
Material Code: 0062A  
Material Name: RAW SEWAGE  
Case No.: Not reported  
Material FA: Other  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AL225**  
**East**  
**1/4-1/2**  
**0.263 mi.**  
**1391 ft.**

**9TH AVENUE BETWEEN**  
**WEST 29 AND WEST 30TH**  
**MANHATTAN, NY**

**NY Spills**    **S106018716**  
**N/A**

**Site 2 of 6 in cluster AL**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0307062  
 DER Facility ID: 245285  
 Facility Type: ER  
 Site ID: 303603  
 DEC Region: 2  
 Spill Date: 10/4/2003  
 Spill Number/Closed Date: 0307062 / 10/6/2003  
 Spill Cause: Traffic Accident  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**31 ft.**

**SWIS:**

Investigator: CESAWYER  
 Referred To: Not reported  
 Reported to Dept: 10/4/2003  
 CID: 204  
 Water Affected: Not reported  
 Spill Source: Commercial Vehicle  
 Spill Notifier: Fire Department  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 10/4/2003  
 Spill Record Last Update: 10/6/2003  
 Spiller Name: Not reported  
 Spiller Company: UNKNOWN  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: ANTHONY CARBONE  
 Contact Phone: (347) 539-0559  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SAWYER"10/4/03 Sawyer Firefighter Carbone called me back to give me the status of the spill. A small amount escaped(20 gallons) but was contained and cleaned up. The contaminated fuel and the clean portion of the saddle tank was taken away by the responsible party. Closed.

**Remarks:**

TRAFFIC ACCIDENT - SADDLE TANK LEAK

**Material:**

Site ID: 303603  
 Operable Unit ID: 875826  
 Operable Unit: 01  
 Material ID: 500645  
 Material Code: 0008  
 Material Name: Diesel  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 20  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**9TH AVENUE BETWEEN (Continued)**

**S106018716**

Oxygenate: False

Tank Test:

**AL226**  
**East**  
**1/4-1/2**  
**0.266 mi.**  
**1402 ft.**

**30TH AND 9TH STS**  
**MANHATTAN, NY**  
**Site 3 of 6 in cluster AL**

**NY Spills S104647155**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**32 ft.**

Facility ID: 9803935  
 DER Facility ID: 185162  
 Facility Type: ER  
 Site ID: 224015  
 DEC Region: 2  
 Spill Date: 6/27/1998  
 Spill Number/Closed Date: 9803935 / 2/4/2003  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:**  
 Investigator: MCTIBBE  
 Referred To: Not reported  
 Reported to Dept: 6/27/1998  
 CID: 207  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 6/27/1998  
 Spill Record Last Update: 2/4/2003  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller Company: 001  
 Contact Name: TED TAYLOR  
 Contact Phone: (212) 643-2328  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"UNFOUNDED.

Remarks: location above is an unknown auto repair shop and complainant stated there was a release of harmful vapors of some sort there

**Material:**

Site ID: 224015  
 Operable Unit ID: 1061652  
 Operable Unit: 01  
 Material ID: 322254  
 Material Code: 0063A  
 Material Name: UNKNOWN HAZARDOUS MATERIAL  
 Case No.: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**S104647155**

Material FA: Hazardous Material  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AL227**  
**East**  
**1/4-1/2**  
**0.266 mi.**  
**1402 ft.**

**POSTAL FACILITY**  
**349 9TH AVE**  
**MANHATTAN, NY**  
**Site 4 of 6 in cluster AL**

**NY Spills S104881441**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**32 ft.**

Facility ID: 0010966  
 DER Facility ID: 126436  
 Facility Type: ER  
 Site ID: 148585  
 DEC Region: 2  
 Spill Date: 1/6/2001  
 Spill Number/Closed Date: 0010966 / 1/10/2001  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 SWIS: 3101  
 Investigator: KMFOLEY  
 Referred To: Not reported  
 Reported to Dept: 1/6/2001  
 CID: 397  
 Water Affected: Not reported  
 Spill Source: Commercial Vehicle  
 Spill Notifier: Fire Department  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 1/6/2001  
 Spill Record Last Update: 1/11/2001  
 Spiller Name: Not reported  
 Spiller Company: POST OFFICE  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: CALLER  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"01-10-01 FIRE DEPARTMENT CLEANED THE PETROLEUM THAT DID NOT DRAIN INTO THE SEWER CLEANUP COMPLETED  
 Remarks: 25 gallons have gone into the sewers. the remainder has been cleaned up.  
 Material:  
 Site ID: 148585

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**POSTAL FACILITY (Continued)**

**S104881441**

Operable Unit ID: 832355  
Operable Unit: 01  
Material ID: 544830  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 80  
Units: Gallons  
Recovered: 80  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AO228**  
**SSW**  
**1/4-1/2**  
**0.267 mi.**  
**1411 ft.**

**MANHOLE 43095**  
**WEST 22ND ST/10TH AV**  
**MANHATTAN, NY**

**NY Spills S106721157**  
**N/A**

**Site 1 of 4 in cluster AO**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 0407654  
DER Facility ID: 267340  
Facility Type: ER  
Site ID: 332179  
DEC Region: 2  
Spill Date: 10/10/2004  
Spill Number/Closed Date: 0407654 / 12/27/2004  
Spill Cause: Equipment Failure  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**11 ft.**

**SWIS:** 3101  
Investigator: GDBREEN  
Referred To: Not reported  
Reported to Dept: 10/10/2004  
CID: 404  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/12/2004  
Spill Record Last Update: 12/27/2004  
Spiller Name: ERT DESK  
Spiller Company: CON EDISON  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: ERT DESK  
Contact Phone: (212) 580-8383

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MANHOLE 43095 (Continued)**

**S106721157**

DEC Memo: Employee reported approx 1 gallon of insulatum on the concrete floor. no sewer/waterway affected. The source of the spill is a cable joint and the cause is a Blown 3W \* 1W lead joint. Environmental tag # 41241 was hung. Two samples for PCB and ID will be taken and Chain of Custody form number is pending. Diapers were used to contain the insulatum to prevent environmental impact. No other cleanup actions taken at this time. Pending Crew availabilityCleanup set for 15:00 on 10/10. Lab Sequence Number: 04-08211-001 - PCBs < 1 ppm10/10/04 20:45J.Velez#27098, Underground supervisor notified the control center on 10/10/04 at 20:30hrs. that the cleanup in M43095 was completed. This was a final cleanup. There were three barrels of solids removed and approx.150 gallons of water and oil mixed removed via tanker from M43095. The method used to clean was double washed with slix. The yellowenvironmental tag #41241 was removed from M43095. The source of the spill, a blown 3w1w joint has not been repaired yet, but J.Velez#27098 reports that the joint is empty and he stuffed it with rags and wrapped it up in plastic and taped it until the joint can be removed and replaced. The cleanup was completed on 10/10/04 at 20:20hrs.Lab Sequence Number: 04-08212-001 - analysis indicates the presence of a lubricating grease.

Remarks: INSULATUM - PETROLIUM SUBSTANCE. ALL CONTAINED TO THE MANHOLE.e2MIS # 155771.

Material:  
 Site ID: 332179  
 Operable Unit ID: 1094436  
 Operable Unit: 01  
 Material ID: 574542  
 Material Code: 9999  
 Material Name: Other -  
 Case No.: Not reported  
 Material FA: Other  
 Quantity: 1  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AL229**  
**East**  
**1/4-1/2**  
**0.268 mi.**  
**1416 ft.**

**35TH STREET BETWEEN**  
**DYRE AND 9TH AVE**  
**MANHATTAN, NY**  
**Site 5 of 6 in cluster AL**

**NY Spills S108294107**  
**N/A**

**Relative:**  
**Higher**

SPILLS:  
 Facility ID: 0606851  
 DER Facility ID: 320106  
 Facility Type: ER  
 Site ID: 370267  
 DEC Region: 2  
 Spill Date: 9/14/2006  
 Spill Number/Closed Date: 0606851 / 1/4/2007  
 Spill Cause: Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**33 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

35TH STREET BETWEEN (Continued)

S108294107

SWIS: 3101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 9/14/2006  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/14/2006  
Spill Record Last Update: 1/4/2007  
Spiller Name: PARKING LOT  
Spiller Company: 35TH STREET BETWEEN  
Spiller Address: DYRE AND 9TH AVE  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 001  
Contact Name: PARKING LOT  
Contact Phone: Not reported  
DEC Memo: Rahman drove past the site to look for the tank.No tank was found.  
Remarks: HYDRALIC TANK THAT IS LEAKING ALL OVER THE PARKING LOT CALLER SEES ON WAY TO WORK

Material:

Tank Test:

AL230  
East  
1/4-1/2  
0.270 mi.  
1426 ft.

356 9TH AVE  
NEW YORK, NY 10001  
Site 6 of 6 in cluster AL

EDR US Hist Cleaners 1015048621  
N/A

Relative:  
Higher

EDR Historical Cleaners:  
Name: DELIGHT CLEANERS INC  
Year: 2003  
Address: 356 9TH AVE

Actual:  
33 ft.

Name: DELIGHT CLEANERS INC  
Year: 2004  
Address: 356 9TH AVE

Name: DELIGHT CLEANERS INC  
Year: 2005  
Address: 356 9TH AVE

Name: SWAN S NYC CLEANERS INC  
Year: 2005  
Address: 356 9TH AVE

Name: SWANS NYC CLEANERS INC  
Year: 2006  
Address: 356 9TH AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015048621

Name: DELIGHT CLEANERS INC  
Year: 2009  
Address: 356 9TH AVE

Name: SWANS 9TH AVE CLEANERS CORP  
Year: 2009  
Address: 356 9TH AVE

Name: EUNHAE CLEANER INC  
Year: 2011  
Address: 356 9TH AVE

Name: EUNHAE CLEANER INC  
Year: 2012  
Address: 356 9TH AVE

AM231  
NW  
1/4-1/2  
0.276 mi.  
1458 ft.

30TH ST / 12TH AVE  
NY, NY  
Site 4 of 8 in cluster AM

NY Spills S104648078  
N/A

Relative:  
Lower

SPILLS:

Facility ID: 9809330  
DER Facility ID: 121773  
Facility Type: ER  
Site ID: 142736  
DEC Region: 2  
Spill Date: 10/22/1998  
Spill Number/Closed Date: 9809330 / 2/3/2003  
Spill Cause: Other  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Actual:  
10 ft.

SWIS:  
Investigator: CAENGELH  
Referred To: Not reported  
Reported to Dept: 10/26/1998  
CID: 382  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/26/1998  
Spill Record Last Update: 2/3/2003  
Spiller Name: Not reported  
Spiller Company: ANTHONY GRACE CONSTRUCTIO  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: TONY CONSTANTINE  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S104648078

Remarks: CONTRACTOR REMOVED ABANDONED GAS MAIN WRAPPED IN AN ASBESTOS MATERIAL. APPROX 40 LINEAR FT. IT IS BEING STORED AT ABOVE LOCATION WITH OUT CON ED BEING NOTIFIED.

Material:

Site ID: 142736  
Operable Unit ID: 1066602  
Operable Unit: 01  
Material ID: 316789  
Material Code: 0026A  
Material Name: ASBESTOS  
Case No.: 01332214  
Material FA: Hazardous Material  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AM232 W. 30TH ST & 12TH AVE  
NW W. 30TH ST / 12TH AVE  
1/4-1/2 MANHATTAN, NY  
0.276 mi.  
1458 ft. Site 5 of 8 in cluster AM

NY Spills S102149906  
N/A

Relative:  
Lower

SPILLS:

Facility ID: 9500217  
DER Facility ID: 99423  
Facility Type: ER  
Site ID: 113949  
DEC Region: 2  
Spill Date: 4/4/1995  
Spill Number/Closed Date: 9500217 / 11/3/2003  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
10 ft.

SWIS:

Investigator: JMKRIMGO  
Referred To: Not reported  
Reported to Dept: 4/6/1995  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Tank Truck  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/8/1995  
Spill Record Last Update: 11/3/2003  
Spiller Name: Not reported  
Spiller Company: NYC DOS  
Spiller Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**W. 30TH ST & 12TH AVE (Continued)**

**S102149906**

Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"  
Remarks: HOSE BROKE ON TRUCK. CALLER HAD SPILL CLEANED  
Material:  
Site ID: 113949  
Operable Unit ID: 1014332  
Operable Unit: 01  
Material ID: 368826  
Material Code: 0012A  
Material Name: Kerosene  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 100  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AM233  
NW  
1/4-1/2  
0.276 mi.  
1458 ft.**

**HELIPORT  
WEST 30TH ST. & 12 AVE.  
NEW YORK CITY, NY  
Site 6 of 8 in cluster AM**

**NY Spills S102145137  
N/A**

**Relative:  
Lower**

**SPILLS:**  
Facility ID: 8804707  
DER Facility ID: 66626  
Facility Type: ER  
Site ID: 70150  
DEC Region: 2  
Spill Date: 8/29/1988  
Spill Number/Closed Date: 8804707 / 8/29/1988  
Spill Cause: Unknown  
Spill Class: Not reported  
SWIS: 3101  
Investigator: SJMILLER  
Referred To: Not reported  
Reported to Dept: 8/29/1988  
CID: Not reported  
Water Affected: HUDSON RIVER  
Spill Source: Unknown  
Spill Notifier: Affected Persons  
Cleanup Ceased: 8/29/1988  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/31/1988  
Spill Record Last Update: 6/18/1999

**Actual:  
10 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HELIPORT (Continued)**

**S102145137**

Spiller Name: Not reported  
 Spiller Company: PORT AUTHORITY  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MILLER"10/10/95: This is additional information about material spilled from the translation of the old spill file: SMELLED ODOR DIESEL.REASSIGNED TO MILLER FROM ANTHONY SIGONA ON 1/23/98  
 Remarks: PATCH 10'X10'/U.S.C.G. TO SEND ROAD TEAM (BRANSCHIM,CODERRE-WENT TO SITE)

Material:  
 Site ID: 70150  
 Operable Unit ID: 919818  
 Operable Unit: 01  
 Material ID: 456637  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: -1  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AM234  
 NW  
 1/4-1/2  
 0.278 mi.  
 1467 ft.**

**NORTH RIVER POLLUTION CONT REGULATOR NR - 45  
 12TH AVE & WEST 30TH ST  
 MANHATTAN, NY  
 Site 7 of 8 in cluster AM**

**NY Spills S111159036  
 N/A**

**Relative:  
 Lower**

**SPILLS:**  
 Facility ID: 1104578  
 DER Facility ID: 406782  
 Facility Type: ER  
 Site ID: 452187  
 DEC Region: 2  
 Spill Date: 7/23/2011  
 Spill Number/Closed Date: 1104578 / 7/25/2011  
 Spill Cause: Equipment Failure  
 Spill Class: Not reported  
 SWIS: 3101  
 Investigator: HRPATEL  
 Referred To: Not reported  
 Reported to Dept: 7/23/2011  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Local Agency  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False

**Actual:  
 10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NORTH RIVER POLLUTION CONT REGULATOR NR - 45 (Continued)**

**S111159036**

Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/23/2011  
Spill Record Last Update: 7/25/2011  
Spiller Name: NYC DEP  
Spiller Company: NORTH RIVER POLLUTION CONT  
Spiller Address: 12TH AVE & WEST 30TH ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: NYC DEP  
Contact Phone: (718) 445-3195  
DEC Memo: referred to water division.  
Remarks: Sewage by pass still on going.

Material:  
Site ID: 452187  
Operable Unit ID: 1202364  
Operable Unit: 01  
Material ID: 2198937  
Material Code: 0062A  
Material Name: RAW SEWAGE  
Case No.: Not reported  
Material FA: Other  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AN235**  
**SSE**  
**1/4-1/2**  
**0.279 mi.**  
**1471 ft.**

**233 9TH AVE**  
**NEW YORK, NY 10001**  
**Site 2 of 8 in cluster AN**

**EDR US Hist Cleaners** **1015024014**  
**N/A**

**Relative:**  
**Higher**

EDR Historical Cleaners:  
Name: HAMID LAUNDRY WORLD LTD  
Year: 2001  
Address: 233 9TH AVE

**Actual:**  
**19 ft.**

Name: HAMID LAUNDRY WORLD LTD  
Year: 2002  
Address: 233 9TH AVE

Name: HAMID LAUNDRY WORLD LTD  
Year: 2003  
Address: 233 9TH AVE

Name: HAMID LAUNDRY WORLD LTD  
Year: 2004  
Address: 233 9TH AVE

Name: HAMID LAUNDRY WORLD LTD

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**1015024014**

Year:	2005
Address:	233 9TH AVE
Name:	SPARK WASH
Year:	2007
Address:	233 9TH AVE
Name:	HAMID LAUNDRY WORLD LTD
Year:	2007
Address:	233 9TH AVE
Name:	SPARK WASH
Year:	2008
Address:	233 9TH AVE
Name:	HAMID LAUNDRY WORLD LTD
Year:	2008
Address:	233 9TH AVE
Name:	SPARK WASH
Year:	2009
Address:	233 9TH AVE
Name:	HAMID LAUNDRY WORLD LTD
Year:	2009
Address:	233 9TH AVE
Name:	SPARK WASH
Year:	2010
Address:	233 9TH AVE
Name:	SPARK WASH
Year:	2011
Address:	233 9TH AVE
Name:	SPARK WASH
Year:	2012
Address:	233 9TH AVE

**AM236  
 NW  
 1/4-1/2  
 0.279 mi.  
 1473 ft.**

**30TH ST HELLIPORT  
 30TH ST HELLIPORT  
 MANHATTAN, NY  
 Site 8 of 8 in cluster AM**

**NY Spills S102150414  
 N/A**

**Relative:  
 Lower**

**SPILLS:**

Facility ID:	9504121
DER Facility ID:	248578
Facility Type:	ER
Site ID:	307791
DEC Region:	2
Spill Date:	7/6/1995
Spill Number/Closed Date:	9504121 / 7/6/1995
Spill Cause:	Traffic Accident
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	SIGONA

**Actual:  
 9 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

30TH ST HELLIPORT (Continued)

S102150414

Referred To: Not reported  
Reported to Dept: 7/6/1995  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Federal Government  
Cleanup Ceased: 7/6/1995  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/28/1995  
Spill Record Last Update: 7/31/1995  
Spiller Name: Not reported  
Spiller Company: GOLDSTAR AVIATION  
Spiller Address: TETERBORO AIRPORT  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: 2 HELICOPTERS COLLIDED - 1 FUEL TANK RUPTURED ON IMPACT - FOAM HAS BEEN APPLIED TO SPILL - DEP ALBERT GORDON RESPONDED - SPILLER PORT AUTHORITY REMOVING SURFACE CONTAMINATION AND HIRED CONTRACTORS.

Material:  
Site ID: 307791  
Operable Unit ID: 1015257  
Operable Unit: 01  
Material ID: 365623  
Material Code: 0011  
Material Name: Jet Fuel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 40  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AN237  
SSE  
1/4-1/2  
0.280 mi.  
1476 ft.

LONDON TERRACE/CIM CLEANERS  
410 W. 24TH STREET  
NEW YORK, NY 10011  
Site 3 of 8 in cluster AN

NY DRYCLEANERS S110247162  
N/A

Relative:  
Higher

DRYCLEANERS:  
Facility ID: 2-6205-00284  
Phone Number: Not reported  
Region: 2  
Registration Effective Date: 3/12/2002 10:36:16:616  
Inspection Date: 04OCT12  
Install Date: Not reported  
Drop Shop: Y

Actual:  
18 ft.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LONDON TERRACE/CIM CLEANERS (Continued)**

**S110247162**

Shutdown: Not reported  
 Alternate Solvent: Not reported  
 Current Business: DROP SHOP

**AN238**  
**SSE**  
 1/4-1/2  
 0.280 mi.  
 1476 ft.

**410 W 24TH STREET**  
**410 W. 24TH ST APT 15-H**  
**MANHATTAN, NY**  
 Site 4 of 8 in cluster AN

**NY Spills S104495731**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 9405814  
 DER Facility ID: 223883  
 Facility Type: ER  
 Site ID: 275346  
 DEC Region: 2  
 Spill Date: 7/29/1994  
 Spill Number/Closed Date: 9405814 / 7/29/1994  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**18 ft.**

**SWIS:**

Investigator: AIR UNIT  
 Referred To: AIR UNIT  
 Reported to Dept: 7/29/1994  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Federal Government  
 Cleanup Ceased: 7/29/1994  
 Cleanup Meets Std: True  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 10/18/1994  
 Spill Record Last Update: 9/30/2004  
 Spiller Name: Not reported  
 Spiller Company: FACTORY  
 Spiller Address: 25TH ST BET 9TH & 10TH AV  
 Spiller City,St,Zip: NEW YORK, NY  
 Spiller Company: 001  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "AIR"10/10/95: This is additional information about material spilled from the translation of the old spill file: ODOR-GASOLINE-SOOT.

**Remarks:**

THRU NIGHT SMELLED ODOR. SHE'S ON 15TH FLOOR. APT FACING NORTH. EVERYTHING COVERED WITH BLACK SOOT IN MORNING. BLACK SMOKE FROM CHIMNEY OF FACTORY, 200 FEET AWAY.

**Material:**

Site ID: 275346  
 Operable Unit ID: 1000110  
 Operable Unit: 01  
 Material ID: 382394  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**410 W 24TH STREET (Continued)**

**S104495731**

Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AN239**  
**SSE**  
**1/4-1/2**  
**0.280 mi.**  
**1481 ft.**

**232 9TH AVE**  
**NEW YORK, NY 10001**  
**Site 5 of 8 in cluster AN**

**EDR US Hist Cleaners** **1015023739**  
**N/A**

**Relative:**  
**Higher**

EDR Historical Cleaners:

**Actual:**  
**19 ft.**

Name: ONE HOUR MARTINIZING  
Year: 2001  
Address: 232 9TH AVE

Name: OXFORD DRY CLEANERS INC  
Year: 2003  
Address: 232 9TH AVE

Name: OXFORD DRY CLEANERS INC  
Year: 2004  
Address: 232 9TH AVE

Name: OXFORD CLEANERS CORP  
Year: 2005  
Address: 232 9TH AVE

Name: OXFORD CLEANERS  
Year: 2006  
Address: 232 9TH AVE

Name: OXFORD CLEANERS  
Year: 2007  
Address: 232 9TH AVE

Name: OXFORD CLEANERS INC  
Year: 2008  
Address: 232 9TH AVE

Name: OXFORD CLEANERS  
Year: 2010  
Address: 232 9TH AVE

Name: OXFORD DRY CLEANERS  
Year: 2011  
Address: 232 9TH AVE

Name: OXFORD DRY CLEANERS  
Year: 2012  
Address: 232 9TH AVE

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>AN240</b> <b>SSE</b> <b>1/4-1/2</b> <b>0.280 mi.</b> <b>1481 ft.</b>	<b>OXFORD/CLIFF'S 1 HR DRY CLEANERS</b> <b>232 9TH AVE.</b> <b>NEW YORK, NY 10001</b>  <b>Site 6 of 8 in cluster AN</b>	<b>NY DRYCLEANERS</b>	<b>S106435820</b> <b>N/A</b>
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<b>Relative:</b> <b>Higher</b>  <b>Actual:</b> <b>19 ft.</b>	<b>DRYCLEANERS:</b> Facility ID: 2-6205-00294 Phone Number: Not reported Region: 2 Registration Effective Date: 5/28/2003 11:41:46:823 Inspection Date: 07MAY18 Install Date: Not reported Drop Shop: Not reported Shutdown: Not reported Alternate Solvent: Not reported Current Business: PERC DRY CLEANER
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<b>AP241</b> <b>ENE</b> <b>1/4-1/2</b> <b>0.281 mi.</b> <b>1484 ft.</b>	<b>MANHOLE #1110</b> <b>453 WEST 33RD STREET</b> <b>MANHATTAN, NY</b>  <b>Site 1 of 4 in cluster AP</b>	<b>NY Spills</b>	<b>S106127135</b> <b>N/A</b>
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<b>Relative:</b> <b>Higher</b>  <b>Actual:</b> <b>27 ft.</b>	<b>SPILLS:</b> Facility ID: 0310766 DER Facility ID: 104546 Facility Type: ER Site ID: 120394 DEC Region: 2 Spill Date: 12/18/2003 Spill Number/Closed Date: 0310766 / 6/30/2005 Spill Cause: Equipment Failure Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  <b>SWIS:</b> Investigator: SKARAKHA Referred To: Not reported Reported to Dept: 12/18/2003 CID: 444 Water Affected: Not reported Spill Source: Commercial/Industrial Spill Notifier: Responsible Party Cleanup Ceased: Not reported Cleanup Meets Std: False Last Inspection: Not reported Recommended Penalty: False UST Trust: False Remediation Phase: 0 Date Entered In Computer: 12/18/2003 Spill Record Last Update: 6/30/2005 Spiller Name: Not reported Spiller Company: Not reported Spiller Address: Not reported Spiller City,St,Zip: ***Update***, ZZ Spiller Company: 001 Contact Name: ERT Contact Phone: (212) 580-8383 DEC Memo: William J Curtin #50,Mechanic A, I & A South found apprx. 5gallons of transformer oil in top of approx. 3 gallons of water. He also sates
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Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MANHOLE #1110 (Continued)**

**S106127135**

that this is a bottom leak, and after inspection will be coming out  
 OOE/2 on feeder M77.Update: At 15:13Called and informed E/V desk that  
 clean up will be pending transformer removal, and for now oil  
 absorbent has been put down and has made a dike aroundtransformer  
 with oil absorbent.Update 12/18/03 called CIG spoke to K.Mcardle #  
 16516 @15:21hrs and told him of thethe "Opn Status" is now -PTRAN  
 (Pending tranformer Removal)Update 12-18-03 @ 19:59Lab Sequence  
 Number: 03-10076-001Analysis indicates the presence of a substance  
 similar to a dielectric fluid.Update 12-18-03 @ 22:20ab Sequence  
 Number: 03-10075-001\\TOTAL PCB 9 ppm.Lab Sequence Number:  
 03-10075-002TOTAL PCB 6 ppm Update: 3/12/04 @ 14:15 hrs.Jerry Gnall  
 #19045, I&A Operating Supervisor reported that the transformer in  
 tthis vault is scheduled to be drained and disconnected on the 3 to  
 11 pm shift on 3/12/04. An Under 50 tanker and crew has been  
 scheduled.The transformer is scheduled to be removed and replaced on  
 the midnight shift (3/13/04).Update: 03/12/04M.Grazia # 16040 Mech A,  
 reports that drain and disconnet complete and that tanker removed 150  
 gallons from transformer, and 650 gallons of oil and water mixed from  
 vault. ( water from flush truck )3/13/04 08:32 E. Hulser # 39723  
 Cable/cleanup supervisor reports that the cleanup was completed at  
 08:00. The structure was double washed with Bio-Gen. The flush truck  
 removed all debris & liquid. The spill tag # 38893 was removed. The  
 transformer was removed & a new one installed.

Remarks: BOTTOM LEAK, CONTAINED, NO SEWER, WATERWAYS ,SMOKE OR FIRE. CLEAN UP  
 IS PENDING REMOVAL OF TRANSFORMER;

Material:

Site ID: 120394  
 Operable Unit ID: 878414  
 Operable Unit: 01  
 Material ID: 499612  
 Material Code: 0020A  
 Material Name: TRANSFORMER OIL  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 5  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

AN242  
 SSE  
 1/4-1/2  
 0.282 mi.  
 1487 ft.

**XFMR WITH BOTTOM LEAK IN V # 3842  
 IN FRONT OF 401 WEST 23 STREET  
 MANHATTAN, NY**  
 Site 7 of 8 in cluster AN

**NY Spills S108955780  
 N/A**

Relative:  
 Higher

SPILLS:  
 Facility ID: 0707797  
 DER Facility ID: 338095  
 Facility Type: ER  
 Site ID: 388567  
 DEC Region: 2  
 Spill Date: 10/16/2007  
 Spill Number/Closed Date: 0707797 / 6/2/2009

Actual:  
 17 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**XFMR WITH BOTTOM LEAK IN V # 3842 (Continued)**

**S108955780**

Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: RWAUSTIN  
Referred To: Not reported  
Reported to Dept: 10/16/2007  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/16/2007  
Spill Record Last Update: 6/2/2009  
Spiller Name: ERTSDESK  
Spiller Company: CON EDISON  
Spiller Address: WEST 23RD STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 999  
Contact Name: ERTSDESK  
Contact Phone: (212) 580-8383  
DEC Memo: 208518. see eDocs6/2/09 - Austin - 10 gal. Spill cleaned up - see  
EMIS reports in EDocs file - closed - end  
Remarks: CLEAN UP NEEDS TO BE DENERGIZED BEFORE CLEAN UP. 208518

Material:  
Site ID: 388567  
Operable Unit ID: 1145734  
Operable Unit: 01  
Material ID: 2136063  
Material Code: 0541A  
Material Name: DIELECTRIC FLUID  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AP243**  
**NE**  
**1/4-1/2**  
**0.285 mi.**  
**1503 ft.**

**221662; 453 W 33 ST**  
**453 W 33 ST**  
**MANHATTAN, NY**  
**Site 2 of 4 in cluster AP**

**NY Spills**    **S110750552**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 1009121  
 DER Facility ID: 397480  
 Facility Type: ER  
 Site ID: 442500  
 DEC Region: 2  
 Spill Date: 5/27/2010  
 Spill Number/Closed Date: 1009121 / 3/30/2011  
 Spill Cause: Unknown  
 Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**26 ft.**

**SWIS:**

Investigator: DMPOKRZY  
 Referred To: Not reported  
 Reported to Dept: 6/30/2010  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 11/24/2010  
 Spill Record Last Update: 11/24/2010  
 Spiller Name: ERT DESK  
 Spiller Company: CON EDISON  
 Spiller Address: 5030 BROADWAY  
 Spiller City,St,Zip: New York, NY  
 Spiller Company: 001  
 Contact Name: ERT DESK  
 Contact Phone: (212) 580-8383  
 DEC Memo: 3/30/2011 - See eDocs for Con Ed report detailing cleanup and closure.  
 Not reported  
 Remarks: Street Address = 453 W 33 ST & 10 AVESpill Volume = 2Unit of Measure = GallonsSubstance Name = Unknown OilCause Reason = UnknownStatus Reason = Operational Necessity for Business Units Other Than S&TO or SSO

**Material:**

Site ID: 442500  
 Operable Unit ID: 1193002  
 Operable Unit: 01  
 Material ID: 2188302  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 2  
 Units: Gallons  
 Recovered: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**221662; 453 W 33 ST (Continued)**

**S110750552**

Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AH244**  
**East**  
**1/4-1/2**  
**0.286 mi.**  
**1511 ft.**

**CON EDISON ASBESTOS IN EXCAVATION**  
**9TH AVE AND WEST 31ST**  
**MANHATTAN, NY**  
**Site 4 of 4 in cluster AH**

**NY Spills S110751452**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**  
 Facility ID: 1010371  
 DER Facility ID: 398885  
 Facility Type: ER  
 Site ID: 443973  
 DEC Region: 2  
 Spill Date: 1/4/2011  
 Spill Number/Closed Date: 1010371 / Not Closed  
 Spill Cause: Unknown  
 Spill Class: Not reported  
 SWIS: 3101  
 Investigator: ConEd Unassigned  
 Referred To: Not reported  
 Reported to Dept: 1/4/2011  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 1  
 Date Entered In Computer: 1/4/2011  
 Spill Record Last Update: 2/11/2011  
 Spiller Name: Not reported  
 Spiller Company: CON ED  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: ERT  
 Contact Phone: (212) 580-8383  
 DEC Memo: 1/4/11-Vought-Primary off hours responder. Spill assigned to DEC Feroze as part of Con Edison minor spill portfolio review and possible closure. This spill non-petroleum spill (asbestos). Initial EMIS #224548 added to Cross Reference field, deleted from proxy and added to E-docs.2/11/11 - Austin - ACM found in soil during excavation - Contractor hired to remove 1 1/2 lbs of asbestos containing material - Con Ed contained and cleaned up the spill - see additional info in the eDocs files - spil closed - end

**Actual:**  
**38 ft.**

Remarks:

APPROX. 1 TO 1.5 LBS OF POSSIBLE ASBESTOS CONTAINING MATERIAL FOUND DURING EXCAVATION.

Material:  
 Site ID:

443973

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CON EDISON ASBESTOS IN EXCAVATION (Continued)**

**S110751452**

Operable Unit ID: 1194417  
Operable Unit: 01  
Material ID: 2190217  
Material Code: 9999  
Material Name: Other - PACM  
Case No.: Not reported  
Material FA: Other  
Quantity: 1.5  
Units: Pounds  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AO245**  
**SSW**  
**1/4-1/2**  
**0.287 mi.**  
**1517 ft.**

**193 10TH AVE**  
**193 10TH AVE**  
**MANHATTAN, NY**

**NY LTANKS** **S102672077**  
**N/A**

**Site 2 of 4 in cluster AO**

**Relative:**  
**Lower**

**LTANKS:**

**Actual:**  
**11 ft.**

Site ID: 163796  
Spill Number/Closed Date: 9211918 / 1/19/1993  
Spill Date: 1/19/1993  
Spill Cause: Tank Overfill  
Spill Source: Tank Truck  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 1/19/1993  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: KSTANG  
Referred To: Not reported  
Reported to Dept: 1/19/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 1/28/1993  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: GOTHAM PETRO  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 138144  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**193 10TH AVE (Continued)**

**S102672077**

Remarks: CONTAINED ON CONCRETE-CLEANUP IS DONE BY SPILLER CREW

Material:

Site ID: 163796  
Operable Unit ID: 976484  
Operable Unit: 01  
Material ID: 405301  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AG246**  
**South**  
**1/4-1/2**  
**0.288 mi.**  
**1521 ft.**

**INSIDE BUILDING**  
**443 WEST 22ND STREET**  
**MANHATTEN, NY**  
**Site 2 of 3 in cluster AG**

**NY Spills S111012136**  
**N/A**

**Relative:**  
**Higher**

SPILLS:

Facility ID: 1101916  
DER Facility ID: 403982  
Facility Type: ER  
Site ID: 449396  
DEC Region: 2  
Spill Date: 5/20/2011  
Spill Number/Closed Date: 1101916 / 6/1/2011  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS:

Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 5/20/2011  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/20/2011  
Spill Record Last Update: 6/1/2011  
Spiller Name: CALLER  
Spiller Company: UNKNOWN  
Spiller Address: 443 WEST 22ND STREET  
Spiller City,St,Zip: MANHATTEN, NY

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**INSIDE BUILDING (Continued)**

**S111012136**

Spiller Company: 999  
 Contact Name: CALLER  
 Contact Phone: Not reported  
 DEC Memo: Building is "Westside Federation for Senior Support Housing" Spill of hydraulic oil in "motor room". Spill was contained on cement floor, no drains impacted. Elevator company Thyssen Krup was called (212-947-8800) They cleaned the area with speedie dry and repaired the hose and repaired the motor. Cleanup was completed within 24 hours.

Remarks: Clean up in progress - thyseem krupp

Material:  
 Site ID: 449396  
 Operable Unit ID: 1199609  
 Operable Unit: 01  
 Material ID: 2195987  
 Material Code: 0010  
 Material Name: Hydraulic Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 30  
 Units: Gallons  
 Recovered: Not reported  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AG247**  
**South**  
**1/4-1/2**  
**0.288 mi.**  
**1521 ft.**

**IN THE BASEMENT**  
**443 WEST 22ND ST**  
**MANHATTAN, NY**  
**Site 3 of 3 in cluster AG**

**NY Spills S111012144**  
**N/A**

**Relative:**  
**Higher**

SPILLS:  
 Facility ID: 1101924  
 DER Facility ID: 403990  
 Facility Type: ER  
 Site ID: 449404  
 DEC Region: 2  
 Spill Date: 5/20/2011  
 Spill Number/Closed Date: 1101924 / 5/24/2011  
 Spill Cause: Equipment Failure  
 Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**15 ft.**

SWIS: 3101  
 Investigator: RMPiPER  
 Referred To: Not reported  
 Reported to Dept: 5/20/2011  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IN THE BASEMENT (Continued)**

**S111012144**

Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/20/2011  
Spill Record Last Update: 5/24/2011  
Spiller Name: TIM CUMMINGS  
Spiller Company: WEST SIDE FEDERATION FOR SENIOR AND SUPPORTIVE HOUSING  
Spiller Address: 234 BROADWAY  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: ANDREW KELLY  
Contact Phone: (718) 595-4761  
DEC Memo: duplicate of spill 1101916 . closed  
Remarks: Spill was caused when a line to the elevator broke. Spill is contained to the basement. Clean up is in progress.

Material:

Site ID: 449404  
Operable Unit ID: 1199617  
Operable Unit: 01  
Material ID: 2195995  
Material Code: 0010  
Material Name: Hydraulic Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 30  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AQ248** 511 WEST 21ST STREET  
**SSW** 511 WEST 21ST STREET  
1/4-1/2 NEW YORK, NY 10011  
0.292 mi.  
1540 ft. **Site 1 of 10 in cluster AQ**

NY AST U003074535  
NY Spills N/A  
NY BROWNFIELDS

**Relative:**  
**Lower**

AST:  
Region: STATE  
DEC Region: 2  
Site Status: Unregulated  
Facility Id: 2-285919  
Program Type: PBS  
UTM X: 584007.51841999998  
UTM Y: 4511108.1311600003  
Expiration Date: N/A

**Actual:**  
**10 ft.**

Affiliation Records:  
Site Id: 12731  
Affiliation Type: Mail Contact  
Company Name: J HOTELS FEE OWNER LLC  
Contact Type: Not reported  
Contact Name: Not reported  
Address1: 161 CHRISTIC STREET, 2ND FL  
Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

511 WEST 21ST STREET (Continued)

U003074535

City: NEW YORK  
State: NY  
Zip Code: 10002  
Country Code: 001  
Phone: (212) 741-7106  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 10/22/2007

Site Id: 12731  
Affiliation Type: On-Site Operator  
Company Name: TIME WARNER CABLE OFFICES  
Contact Type: Not reported  
Contact Name: SAL AZZARO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (212) 420-5528  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 10/22/2007

Site Id: 12731  
Affiliation Type: Emergency Contact  
Company Name: J HOTELS FEE OWNER LLC  
Contact Type: Not reported  
Contact Name: SAL AZZARO  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 999  
Phone: (917) 337-9614  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 10/22/2007

Site Id: 12731  
Affiliation Type: Owner  
Company Name: J HOTELS FEE OWNER LLC  
Contact Type: MEMBER  
Contact Name: SCOTT SHANY  
Address1: 161 CHRISTIC STREET, 2ND FL  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

511 WEST 21ST STREET (Continued)

U003074535

Country Code: 001  
Phone: (212) 741-7106  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: KXTANG  
Date Last Modified: 10/22/2007

Tank Info:

Tank Number: 001  
Tank Id: 17644

Equipment Records:

G00 - Tank Secondary Containment - None  
A00 - Tank Internal Protection - None  
D01 - Pipe Type - Steel/Carbon Steel/Iron  
J02 - Dispenser - Suction  
L09 - Piping Leak Detection - Exempt Suction Piping  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I04 - Overfill - Product Level Gauge (A/G)  
H00 - Tank Leak Detection - None  
B00 - Tank External Protection - None

Tank Location: 6  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Administratively Closed  
Pipe Model: Not reported  
Install Date: Not reported  
Capacity Gallons: 2000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: Not reported  
Register: True  
Modified By: CGFREEDM  
Last Modified: 04/24/2008

Tank Number: 104  
Tank Id: 47837

Equipment Records:

A00 - Tank Internal Protection - None  
G01 - Tank Secondary Containment - Diking (Aboveground)  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
B00 - Tank External Protection - None  
D00 - Pipe Type - No Piping  
J00 - Dispenser - None  
H00 - Tank Leak Detection - None  
I01 - Overfill - Float Vent Valve

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 05/01/1994  
Capacity Gallons: 275

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

511 WEST 21ST STREET (Continued)

U003074535

Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 10/11/2007  
Register: True  
Modified By: CGFREEDM  
Last Modified: 04/24/2008

Tank Number: 105  
Tank Id: 47838

Equipment Records:

D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
J00 - Dispenser - None  
H00 - Tank Leak Detection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
A00 - Tank Internal Protection - None  
B00 - Tank External Protection - None  
I00 - Overfill - None

Tank Location: 3  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - Removed  
Pipe Model: Not reported  
Install Date: 03/01/1990  
Capacity Gallons: 275  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 10/11/2007  
Register: True  
Modified By: CGFREEDM  
Last Modified: 04/24/2008

SPILLS:

Facility ID: 0010394  
DER Facility ID: 163326  
Facility Type: ER  
Site ID: 196043  
DEC Region: 2  
Spill Date: 12/15/2000  
Spill Number/Closed Date: 0010394 / Not Closed  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: aaobliga  
Referred To: 12-17-12 - NEW RAP REQUIRED WITHIN 60 DAYS  
Reported to Dept: 12/15/2000  
CID: 252  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

511 WEST 21ST STREET (Continued)

U003074535

Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 5  
Date Entered In Computer: 12/15/2000  
Spill Record Last Update: 1/2/2013  
Spiller Name: ROGER CHATTOO  
Spiller Company: TIME WARNER CABLE  
Spiller Address: 511 WEST 21ST ST  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: ROGER CHATTOO  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ROMMEL"12/9/03 TJDReassigned Demeo >>> Rommel.11/23/05- Oblgado - Spill transferred from Tang to Oblgado11/29/05 - Oblgado - From Caller Remarks: "UNDER GROUND PRODUCT LINE WAS FOUND TO BE LEAKING. CONTACT PERSON WAS NOTIFIED OF THIS WITH THE RECOMMENDATION TO EXCAVATE AND REPAIR". No files were found to document repairs or tests. Review PBS records - PBS# 2-285919 listed for site. Site has one 2000 gallon #2 fuel oil AST, two 4000 gallon gasoline USTs, one 550 gallon and two 275 gallon other ASTs. Time Warner Facility Manager Phone # (212) 598-735711/30/05 - Oblgado - call Time Warner at number listed above. No answer.12/15/05 - Oblgado - called again, no answer. Called Dave Greffinius (consultant for neighboring property) to see if he was able to get any facility information for Time Warner building.12/19/05 - Oblgado - voice mail from Greffinius (12/15). Gave contact names and a phone number for Time Warner Facility: Frank Soto, Barry Rosenblume, and Tom Lonst (212) 379-2852 12/20/05 - Oblgado - tried calling above listed number, appears to be a wrong number.12/28/05 - Oblgado - Site visit. Contact information for manager - Terrence Charlton (212) 598-7358. Called, spoke with secretary, Terrence Charlton on vacation, will call back next Tuesday.1/3/05 - Oblgado - Called Terrence Charlton. He does not know anything about spill. He will contact the Operations Manager - Britt Wenzel. Tell him the DEC requires information regarding the tank failure, if repairs were made, if soil/gw was impacted, if tanks were retested.1/4/05 - Oblgado - Received phone call from Abbas - engineer from Time Warner. Gave him my contact info with instructions to send/fax any files he had regarding this spill number.1/19/05 - Oblgado - Call Abbas Family (718-474-3400) to inquire about documents. Left message. Abbas called back, he will send the information the beginning of next week.3/31/06 - Oblgado - Review documents sent by Abbas, received by Department on 1/25/06. Documents installation of new fill box in 1999 and 2002, and passing tightness tests in 2004 adn 2005. Documents do not shed any light on spill incident reported by Crompco on 12/15/00. Call Mr. Abbas and he said he will research the file for more information. He requested a spill report. I will email the spill report so he can find pertanent information.5/5/06 - Oblgado - Received additional documents. 5/11/06 - Reviewed documents. Corrosion in fill port pipe, caused leak to soil, soil excavated to 2 ft bgs. No mention of endpoint soil sampling. Send letter to Time Warner requiring soil boring investigation and collection of gw sample from below line where leak occurred. 5/16/06 - Oblgado - Delivery confirmation on 5/13/066/6/06 - Oblgado - Received Limited Subsurface Investigation Report, submitted by Fenley and Nicol Environmental. Three soil borings

**511 WEST 21ST STREET (Continued)**

**U003074535**

advanced. Refusat at SB1. Soil impacts above TAGM at SP-2@10 ft, SP-3@5 ft, and SP-3@10 ft. Greatest contamination at SP3 with 93,000 ppb MTBE and 2,242 ppb benzene. Recommends lateral and vertical extent of impact be delineated including offsite sampling. After delineation a Remedial Action Workplan will be submitted.6/20/06 - Obligado - Phone conversation with Kristin Dillner 631-586-4900. She will email a workplan for additional delineation.Obligado - received workplan approved with minor changes. Required one soil boring to be moved closer to former remote fill area and collection of 3 ground water samples. One from previous soil boring area above, one from remote fill area, and one inbetween the dispensers.8/7/06 - Obligado - Received Limited Subsurface Investigation Report, submitted by Fenley and Nicol Environmental. Six soil borings, 3 ground water samples collected from temporary well points. Ground water impacts detected at all 3 gw sampling points. Greatest soil and ground water impacts detected west of dispensers and southwest of UST field (TW1/SB4). GW results in ppb from TW1 show 7327 benzene, 41,697 toluene, 2783 ethylbenzene, ~23500 total xylenes, 321,467 MTBE. 8/21/06 - Obligado - Phone conversation with Kristin Dillner from F&N. Told her that permanent monitoring wells needed to be installed, the plume would need to be delineated, and a RAP submitted. I told her I would send Abbas a Stipulation agreement this week.8/28/06 - Obligado - Sent STIP to Azzaro. Due date for signature is 9/25/06. CC to Dillner and Abbas Family. 90 days for ISR and 60 days for RAP.8/31/06 - Obligado - Received delivery confirmation of Stip Agreement.10/10/06 - Obligado - Signed STIP received by Department on 9/26/06. CAP has been modified and signed by RP. Called Abbas to schedule a meeting to discuss.11/1/06 - Obligado - Had a meeting with Sal Azarro, Manfred Bohms, Abbas Family. Discussed scope of work. UST excavation will probably take place in May 2007. They can proceed with monitoring well installation in meanwhile. I will send them another CAP with modifications based on discussions.11/22/06 - Obligado - Email from Abbas with another revised CAP. After review the CAP looked acceptable. I attached it to the STIP and emailed it as a final version back to Abbas requesting signature by 12/2/06.11/27/06 - Obligado - Signed STIP received by Department. 12/4/06 - Obligado - Stipulation Agreement executed by Oliva 1/17/07 - Obligado - Called Manfred Bohms to discuss the status of project. He said 4 wells were installed, 2 onsite and 2 in the sidewalk. He is trying to gain access to the other sidewalk wells to sample. He will need a 2 week extension and will send an email request.2/27/07 - Obligado - Received a letter from Abbas Family of Water Gorman engineers. The letter documents ground water results from 4 monitoring wells that were installed. Requests to collect samples from sidewalks in front of adjacent buildings. Upon the sampling and testing of the groundwater from the neighboring premises they will submit investigation report. 3/16/07 - Obligado - Abbas Family asked to get access to wells in sidewalks in front of 521 and 510 w. 21st street to do ground water sampling and gauging. Since this would help to allow a more accurate picture of ground water conditions in the area I sent a letter to Guy Roberts and to the owner of Sorage USA and asked for them to grant access to Time Warner to do the work.4/17/07 - Obligado - Email from Greffinius from Delta stating they would grant access but asked to be copied on analytical results.4/18/07 - Obligado - Spoke with Jessica from Gannette Fleming. She said they will be doing a tidals study on using the wells in the sidewalk and they would not be collecting samples. I

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**511 WEST 21ST STREET (Continued)**

**U003074535**

forwarded this information to Greffinius. Additionally, Jessica said I should expect a report by May 31 and UST excavation in June.5/9/07 - Obligado - Received a phone call from Andy Rudko of AKRF, 646-388-9526, who is working for a party looking to purchase the site from Time Warner and had some questions. I didn't give him any details, but that Time Warner signed a Stipulation agreement and I am waiting for an investigation for well installations.5/14/07 - Obligado - Spoke with Abbas Family. He said project has been delayed because the new facility where Time Warner Cable will be moving to in Brooklyn is not ready yet. He will send a letter stating the same. They surveyed all the wells to get a ground water flow map.5/18/07 - Obligado - Received a progress report letter. Delays have been incurred at new Time Warner facility in Brooklyn. So Time Warner will vacate the 21st street facility by the end of August. At that time the USTS and piping will be removed. Called Abbas, asking him when I will receive a report of all the investigation activities. He said 3-4 weeks. I told him I needed the report sooner than that. He will talk to Time Warner to expedite the report.7/19/07 - Obligado - Reviewed documents entitled "Investigation Summary Report", dated February 27, 2007, "Update on CAP's Milestone and Monitoring Well Survey Report", dated June 11, 2007, and "Monitoring Well Survey and Tidal Study", dated June 8, 2007. The documents summarize investigation activities performed to delineate soil and ground water contamination. After review of documents sent a letter to Time Warner requiring the following by Nov 1, 2007.1) Quarterly Ground Water Monitoring - Collection of ground water samples for laboratory analysis from monitoring wells GF-MW1 through GF-MW4 and monitoring wells R-MW-1, R-MW-3, and either R-MW2 or R-MW-9. 2) Additional Delineation - Due to the extremely high concentrations of BTEX and MTBE in ground water, the Department requires installation and sampling of 3 additional monitoring wells to delineate the areal extent of the contaminant plume. One monitoring well must be installed in the north sidewalk of 21st street approximately 45 ft west of GFMW-2 to determine the down-gradient extent of plume and the extent to which the plume from Time Warner site is impacting other properties. One monitoring well must be installed north of GFMW-1 to delineate the areal extent of plume in the cross-gradient direction. One monitoring well must be installed northeast of GF-MW-4 to establish up-gradient background ground water conditions. 3) Summary of UST Removal - Documentation of the UST system and contaminated soil removal and endpoint sampling results must be submitted to the Department. 4) Remedial Action Plan - A Remedial Action Plan (RAP) should be submitted to the Department. The RAP must contain a plan to remediate residual soil and ground water contamination subsequent to source removal. The RAP must also include an Operation, Maintenance, and Monitoring Plan. If the property is to be redeveloped for a different use, the RAP must state the future intended use of the site and include a Vapor Intrusion Mitigation Plan.7/19/07 - Obligado - Received call from Abbas Family. He received the letter and he said they would do the work. He asked if they need to do ground water remediation. I told him yes. He said the deadline might be hard to meet but he would let me know later. 10/19/07 - Obligado - PBS Violation hearing with DEC Urda and Falvey, Scott Furman (Time Warner attorney), Tradewinds Contractors, and Abbas Family. During removal of USTs Brian Falvey visited the site for a PBS inspection and found several PBS violations. Tank removal was put on hold due to violations, however they did continue to move some contaminated soil

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

511 WEST 21ST STREET (Continued)

U003074535

found in area of dispenser product lines. They found 2 additional USTs, that will be properly closed. Prior to any excavation, I will visit the site to inspect. A site visit is tentatively scheduled for Thursday November 1. The 4000 gallon USTs were encased in concrete and according to the attorney the tank vault is clean, but I will inspect. They will also core through the dispenser island concrete vaults. 12/4/07 - Obligado - Met on site with Scott Furman and Paul Woodel. The gasoline USTs have been removed as well as some contaminated soil. Endpoint samples only showed one hit for MTBE on eastern sidewall. Bottom was a concrete slab, but I couldn't see it because when they previously cored through the bottom the gw infiltrated up the whole and filled the bottom of the excavation. According to Scott Furman, at no time during work did they notice any sheen or petroleum smell from the water. And the tanks were in good condition. He said they would excavate a little more on the east to try and get clean side walls, then back fill. They showed me two additional excavations in the back of the building, one for a 550 UST of unknown contents, and the other was a suspected UST location which they didn't find any USt. From the 550 USt they took sidewall samples and only found several PAHs, but it appeared to be levels similar to urban fill. After looking at the data I approved backfilling those 2 excavations. The major contamination is in the area around the dispenser and the vent lines, with elevated MTBE and BTEX, in the southwestern corner of the site and the sidewalk. Moving forward they will 1) excavate a little more on eastern sidewall of tank excavation then backfill, 2) install 2 additional wells to delineate the southwest gw plume area, 2) additional excavation to remove as much contaminated soil as site constraints allow around vents and dispensers 3) propose a plan for gw water treatment they may due treatment at time of excavation since soils and gw will be exposed. Since the new tenant plans to build a hotel in 1 years time, timely remediation is required, so we agreed that chem ox might be the best strategy for ground water. They will submit a memo summarizing our discussions. 12/17/07 - Obligado - Received Memo from Woodell via email, detailing above meeting minutes. The memo proposes excavation and chemical injection with regenox. I sent an email to Paul concurring the planned course of action. 1/8/08 - Obligado - Conference call with Paul Woodel and Mark Furman. They are planning to use regenox as chemical oxidant followed by injection of advanced ORC to enhance bioremediation subsequent to chemical oxidation. They will submit a formal RAP today. 1/11/08 - Obligado - Approved RAP. Sent email with RAP approval letter. 1/15/08 - Obligado - Email from Woodel : "We have begun the tasks described in the work plan. The holes in the north room have been backfilled. Today I was on site to scrape back the east wall of the gasoline UST excavation in the south room. We took it back an additional 2-3 feet and I collected another sidewall sample. This excavation is also being backfilled. We anticipate that the first test pit between the 2 former dispenser islands will be dug on Friday." 1/28/08 - Obligado - Email update from Woodel - "LBG has supervised the excavation of the 2 test pits described in the workplan. Impacted soil and pockets of free-phase product were encountered in the western pit and were removed. The eastern pit contained impacted soil at the water table but there was no free product and no apparent "source zone" above the water table. Both pits have been extended to their practical limit (interior walls, sewer lines, column footers, etc.). We plan to backfill the level at the water table with stone on Tuesday and apply the

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

511 WEST 21ST STREET (Continued)

U003074535

chemical-oxidation product Tuesday and Wednesday." 5/14/08 - Obligado - Review UST Closure Report. 2 3000 gallon gasoline USTs, 1 550 gallon 2ASTs, 2 product dispensers, associated piping and 1 oil water separator were removed. Endpoint samples were collected from UST excavations. East wall of gasoline UST excavation had MTBE above TAGM. The waste oil UST excavation indicated residual SVOCs and chromium typical of urban fill throughout the city. Test pits TP1 and TP2 were excavated and 78 tons of contaminated soil was removed and disposed off-site and waste manifests were included. End point sampling from test pits show that gross contamination present at and below the water table. No evidence of the specific source of the contamination was obvious. Contamination above TAGM and limited free-phase product appears to have accumulated around the buried concrete and structural components of the buildings. Test pits were backfilled with gravel and chemical oxidation products were applied to the subsurface to promote remediation. Three treatment sumps were installed with 4" diameter slotted screen set 3 ft into water. 1120 lbs of RegenOx and 150 lbs of ORC were mixed and applied to the gravel backfill on January 31, 2008. On Feb 29, 180 lbs of RegenOx and 75 lbs of ORC were applied. 3 borings and 2 wells were installed at the site. 1st round of sampling will be completed March 10, 2008. Review 1Q08 Monitoring Report - 5 wells were gauged and sampled. Based on most recent results Max contamination at S3 (former GFMW4) with 2570 ug/L BTEX and 33,000 ug/L MTBE. According to the report, the whole building will be torn down in the summer of 2008. When this occurs LBG will supervise additional soil removal. LBG will inform the NYSDEC of future remedial activities. 9/25/08 - Obligado - review 2Q08 report. Elevated concentration still present in wells. Effectiveness of RegenOx not yet apparent. Max MTBE at 48,000 ug/L. According to report building is still scheduled to be demolished. LBG will inform the DEC of any redevelopment or additional remediation 7/7/09 - Obligado - Review 1Q09 Update Report - S3 and GFMW4 have been destroyed, so there is no monitoring wells in the source area. Downgradient well GFW-1 still has significant impacts. S3 and GFMW4 before destroyed had the max concentrations. Send a letter requiring the installation of additional monitoring wells. Require work plan submission within 30 days. 10/29/09 - Obligado - Review Investigation Work Plan, submitted 8/13/09. The workplan proposes 3 additional wells as requested, however, one of the upgradient is over 100 feet away and to far north. This well won't provide any meaningful data. Send letter requiring relocation of well to the east of the tanks and also revise soil sampling plan so soil sampling begins above the water table. Also requested that they revise the implementation schedule. 6/7/10 - Obligado - I reviewed the revised Investigation Work Plan. The soil sampling plan was modified and the location of the upgradient well was moved to a more appropriate location. I sent a letter via email for approval of the three wells. 8/12/2010 - Obligado - I reviewed the July 2010 Update Report. The report documented the installation of 3 additional monitoring wells and quarterly sampling. Only one soil sample, MW8, had soil impacts with 980 ug/kg MTBE. Maximum BTEX concentrations were found at MW8 with 4100 BTEX. Maximum MTBE also detected at MW8 with 3400 ug/L. the report recommends continued monitoring. I emailed Paul Woodell at LBG and requested a BTEX plume map on future reports. 10/11/11 - Obligado - I emailed Paul Woodell to inquire about the status of the monitoring. I received a phone call from Sean Groszkowski of LBG ((914) 694-5711) who is now managing the project. He said they are

**511 WEST 21ST STREET (Continued)****U003074535**

planning to do another chemox event using REgenOx. I asked him to send me a work plan as well as any monitoring reports since July 2010. 11/9/11 - Obligado - I reviewed a plan to do additional chemical injections at the site. They plan to do injections via geoprobe. They proposed 10 injection points using Regenox and ORC advanced. I gave approval to proceed with the additional injections. I also had a conference call with Sean Groszkowski (LBG), Scott Furman (time Warner attorney), and repsentatives of a potential purchaser, Arnie Fleming (consultant) and Karen of Kramer L Levin (attorney). We discussed the pending injections and the planned purchase and redevelopment. A purchaser plans to redevelop the property as an office building. They will use and reinforce the existing structure, as well as add several floors. The building will not have basement. They will install a vapor barrier and SSDS. The planned start for the work is 6 to 9 months. I recommended Time Warner to try and treat the soil and ground water as aggressively as possible prior to starting the development. They concurred. The injections are scheduled to begin tomorrow (11/10/11). 11/16/11 - Obligado - I spoke with Sean. The injections went well. All the material was accepted. They plan to sample again in December. According to Sean I will receive a report documenting baseline sampling in early December. 1/17/12 - Obligado - Meeting with Time Warner, LBG, FLS, DEC, and the site developer. They will continue with current strategy but DEC will require additional remedial actions if not effective. 1/19/12 - Obligado - DEC, LBG, Albanese, meet on site to go over injection locations. We discussed potential remedial options for soil under footings. We also discussed installation of a well immediatley down gradient of footers in TP2 to monitor effects of residaul source on gw concentrations. According to LBG, multiple refusals were encountered in downgradient plume area. DEC recommended evaluating alternate injection approaches. 1/27/12 - Obligado - I sent a letter to Time Warner ccing all parties in meetings describing DEC requirements: 1) additional well downgradient of footer area 2) evaluate alternate remedies 3) alternate injection strategy in plume area due to refusals. 3/5/12 - Obligado - I received 4th Quarter 2011 report. The report documents baseline sampling on October 28, 2011, 1st chemical injection on November 10 and 11, 2011, fourth quarter sampling on December 27, 2011, and the 2nd chemical injection on December 28 and Jan 3 2012. The report documents a spike in BTEX concentrations following the 1st chemical injection, which may represent release of adsorbed contaminants from the soil. They will continue monitoring. 5/8/12 - Obligado - I emailed Sean Growzkowski to inquire when I would receive 1st Quarter sampling results. He indicated 1 to 2 weeks. 7/16/12 - Obligado - I received the 1st Quarter Sampling report. MW10 was installed downgradient of the excavated area. Gross contamination was present in soil. 38000 ug/L BTEX and 53,000 ug/L MTBE found in MW10 groundwater. 42 ppm BTEX and 27 ppm MTBE was found in soil. I sent an email to LBG with a cc to FLS and Albanese requiring a remediation plan within 30 days to indicate whether they plan to continue with chemox or try alternate methods. 7/17/12 - Obligado - recieved an email from LBG Sean Groqzkowski including 2nd Quarter 2012 data which showed significant ground water improvement in MW10. BTEX reduced 98%. LBG requesting determination on need for new plan to be delayed until review of 3rd Quarter 2012 data. 7/24/12 - Obligado - sent an email deferring requirement for new plan until review of the 3rd quarter data. 12/17/12 - Obligado - received and reviewed 3rd Quarter results. BTEX concentrations rebounded to over 15,000 ug/L,

Map ID  
Direction  
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**511 WEST 21ST STREET (Continued)**

**U003074535**

Remarks: including 5,400 ug/L benzene. I sent a letter to Time Warner requiring a new RAP within 60 days. 12/24/12 - Obligado - DEC receives notification letter of BCP application from Sive Paget. BCP Site No. C231080.  
UNDER GROUND PRODUCT LINE WAS FOUND TO BE LEAKING. CONTACT PERSON WAS NOTIFIED OF THIS WITH THE RECOMMENDATION TO EXCAVATE AND REPAIR.

Material:

Site ID: 196043  
Operable Unit ID: 831512  
Operable Unit: 01  
Material ID: 544300  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

BROWNFIELDS:

Program: BCP  
Site Code: 475372  
Site Description: Location: The proposed Brownfield Cleanup (BCP) site is located at 511 West 21st Street in the County of New York. The property is bounded by West 21st Street to the south and West 22nd Street to the north between 10th Avenue and 11th Avenue in Manhattan. The property has frontage on the north side of West 21st Street and the south side of West 22nd Street. Site Features: The site is approximately .45 acres in size, and is improved with a vacant 5-story parking garage building with a 1-story annex in the southwest corner. The property is flat with average elevation approximately 10 feet and the elevated High Line park runs along the eastern property boundary. The site is currently vacant. Current Zoning/Use(s): The area is zoned for manufacturing and commercial use and the City's zoning code for the site is M1-5. Historical Use(s): The site has been used for manufacturing by a gas meter company and also as a service station. Most recently it has been used by a television cable company for vehicle parking and maintenance, storage and offices. Site Geology and Hydrogeology: The site is underlain by 13 to 17 feet of man-made fill. native soils beneath the fill layer consist of organic silty clay of estuarine origin as well as sand and silt of glacial origin. The depth-to-bedrock varies from approximately 33 feet below grade at the northern end of the site to 65 feet below grade at the southern end of the site. Published geologic data indicates that the site is underlain with mica schist that is known as the Manhattan Schist. The Manhattan Schist is a mass of metamorphic rock covering the deeper limestone stratum, which is the firm bedrock providing the foundation for the new York City's skyscrapers. The depth-to-groundwater at the site is approximately 6 to 7 feet below sidewalk grade and the local groundwater flow direction is to the southwest.

Env Problem: Information submitted with the BCP application regarding the

Map ID  
 Direction  
 Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**511 WEST 21ST STREET (Continued)**

**U003074535**

environmental condition at the site are currently under review and will be revised as additional information becomes available.  
 Health Problem: Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

**AP249  
 NE  
 1/4-1/2  
 0.293 mi.  
 1545 ft.**

**ROADWAY  
 460 WEST 34TH ST  
 MANHATTAN, NY**

**NY Spills S106867266  
 N/A**

**Site 3 of 4 in cluster AP**

**Relative:  
 Higher**

**SPILLS:**

Facility ID: 0413129  
 DER Facility ID: 285598  
 Facility Type: ER  
 Site ID: 338978  
 DEC Region: 2  
 Spill Date: 3/17/2005  
 Spill Number/Closed Date: 0413129 / 4/8/2005  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 36 ft.**

SWIS: 3101  
 Investigator: MXTIPPLE  
 Referred To: Not reported  
 Reported to Dept: 3/17/2005  
 CID: 77  
 Water Affected: Not reported  
 Spill Source: Private Dwelling  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: True  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 3/17/2005  
 Spill Record Last Update: 4/8/2005  
 Spiller Name: Not reported  
 Spiller Company: UNKNOWN  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: PHIL SILVERGLATES  
 Contact Phone: (201) 206-1185  
 DEC Memo: 4/8/05 Tipple updating//// Sidewalk spill cleaned and pressure washed by Eastmond////All clean////No further action necessary/////////  
 Remarks: equipment failure -faulty gauge causing overflow of tank, spilling excess of fuel from vent.

**Material:**

Site ID: 338978  
 Operable Unit ID: 1100897  
 Operable Unit: 01  
 Material ID: 581028  
 Material Code: 0003A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROADWAY (Continued)**

**S106867266**

Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AR250  
WSW  
1/4-1/2  
0.295 mi.  
1556 ft.

PIER 63/N RIVER RD/MANH  
PIER 63/N RIVER ROAD  
NEW YORK CITY, NY  
Site 1 of 4 in cluster AR

NY Spills S102140959  
N/A

Relative:  
Lower

SPILLS:

Facility ID: 9101978  
DER Facility ID: 100398  
Facility Type: ER  
Site ID: 115203  
DEC Region: 2  
Spill Date: 5/20/1991  
Spill Number/Closed Date: 9101978 / 6/7/1995  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
1 ft.

SWIS:

Investigator: 3101  
Referred To: FINGER  
Reported to Dept: Not reported  
CID: 5/20/1991  
Water Affected: Not reported  
Spill Source: Not reported  
Spill Notifier: Commercial Vehicle  
Cleanup Ceased: Federal Government  
Cleanup Meets Std: 6/7/1995  
Last Inspection: True  
Recommended Penalty: Not reported  
UST Trust: False  
Remediation Phase: False  
Date Entered In Computer: 0  
Spill Record Last Update: 5/23/1991  
Spiller Name: 6/7/1995  
Spiller Company: Not reported  
Spiller Address: NATIONAL SPINNING  
Spiller City,St,Zip: P O BOX 191  
Spiller Company: WASHINGTON, NC 47889  
Contact Name: 001  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: Not reported

Material:

Site ID: 115203

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PIER 63/N RIVER RD/MANH (Continued)**

**S102140959**

Operable Unit ID: 955553  
 Operable Unit: 01  
 Material ID: 424514  
 Material Code: 0008  
 Material Name: Diesel  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 50  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AR251**  
**WSW**  
**1/4-1/2**  
**0.295 mi.**  
**1556 ft.**

**PIER 63**  
**PIER 63**  
**MANHATTAN, NY**  
**Site 2 of 4 in cluster AR**

**NY Spills S106014418**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 0302079  
 DER Facility ID: 112269  
 Facility Type: ER  
 Site ID: 130289  
 DEC Region: 2  
 Spill Date: 5/27/2003  
 Spill Number/Closed Date: 0302079 / 5/29/2003  
 Spill Cause: Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**1 ft.**

**SWIS:** 3101  
 Investigator: TJDEMEO  
 Referred To: Not reported  
 Reported to Dept: 5/28/2003  
 CID: 322  
 Water Affected: HUDSON RIVER  
 Spill Source: Vessel  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 5/28/2003  
 Spill Record Last Update: 5/29/2003  
 Spiller Name: Not reported  
 Spiller Company: VESSEL - CARIBE  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ  
 Spiller Company: 001  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

PIER 63 (Continued)

S106014418

Remarks: "DEMEO"Sangesland DDODeMeo responded to the site. Coast Guard has taken the lead role. The area around the sunk boat has been boomed off. Divers have sealed the fuel tank and the threat of further leakage is minimal. The boat will be raised tonight at low tide. Spill Closed  
caller is the owner of the boat - boat sank sometime last night coast guard is on the scene

Material:  
Site ID: 130289  
Operable Unit ID: 868635  
Operable Unit: 01  
Material ID: 506563  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AR252  
WSW  
1/4-1/2  
0.295 mi.  
1556 ft.

HUDSON RIVER/ PEIR 63  
23RD ST  
NEW YORK CITY, NY  
Site 3 of 4 in cluster AR

NY Spills S108466648  
N/A

Relative:  
Lower  
Actual:  
1 ft.

SPILLS:  
Facility ID: 0613318  
DER Facility ID: 327867  
Facility Type: ER  
Site ID: 378328  
DEC Region: 2  
Spill Date: 3/12/2007  
Spill Number/Closed Date: 0613318 / 3/13/2007  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS:  
Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 3/12/2007  
CID: 408  
Water Affected: HUDSON RIVER  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/12/2007

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**HUDSON RIVER/ PEIR 63 (Continued)**

**S108466648**

Spill Record Last Update: 3/13/2007  
 Spiller Name: Not reported  
 Spiller Company: UNKOWN.  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ  
 Spiller Company: 001  
 Contact Name: JON CREVEY  
 Contact Phone: (646) 322-9529  
 DEC Memo: Sangesland forwarded the call to the US Coast Guard for investigation. 3/13 Sangesland called Coast Guard again. They said the situation was minor and under control. Ken's marine was taking care of it. Spill Closed

Remarks: SUNKEN BOAT FOUND WITH SHEEN ON WATER, MATERIAL SEEMS TO BE COMING FROM SAID BOAT; 30 FT FIBERGLASS BOAT BEING LIFTED BY KEN'S MARINE; BOOM IN PLACE; NOT YET CLEANED OR CONTAINED;

Material:  
 Site ID: 378328  
 Operable Unit ID: 1135833  
 Operable Unit: 01  
 Material ID: 2125760  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

253  
 NNW  
 1/4-1/2  
 0.295 mi.  
 1559 ft.

**GREYHOUND GARAGE**  
**260 12TH AVE**  
**MANHATTAN, NY**

**NY LTANKS** **S103941004**  
**NY Spills** **N/A**

**Relative:**  
**Lower**

LTANKS:  
 Site ID: 200046  
 Spill Number/Closed Date: 0311517 / 1/23/2004  
 Spill Date: 1/12/2004  
 Spill Cause: Tank Failure  
 Spill Source: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: CESAWYER  
 Referred To: Not reported  
 Reported to Dept: 1/12/2004  
 CID: 405  
 Water Affected: Not reported  
 Spill Notifier: Responsible Party  
 Last Inspection: Not reported

**Actual:**  
**10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREYHOUND GARAGE (Continued)**

**S103941004**

Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 1/12/2004  
Spill Record Last Update: 3/30/2004  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller County: 001  
Spiller Contact: BILL BRUEWER  
Spiller Phone: (212) 849-8411  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 166480  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SAWYER"1/16/04 1144 Hrs - Sawyer - Received a faxed waste disposal manifest for the above spill. The information was forwarded by a Bill Brewer of Greyhound Lines, Inc. Closed.

Remarks: since the pipes froze the diesel fuel came out. Clean up is complete. Clean harbors of brooklyn is doing the clean up

Material:

Site ID: 200046  
Operable Unit ID: 879121  
Operable Unit: 01  
Material ID: 500318  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 75  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 167169  
Spill Number/Closed Date: 9901089 / 5/11/2004  
Spill Date: 4/28/1999  
Spill Cause: Tank Test Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 4/28/1999  
CID: 382  
Water Affected: Not reported  
Spill Notifier: Tank Tester

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREYHOUND GARAGE (Continued)**

**S103941004**

Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 4/28/1999  
Spill Record Last Update: 2/20/2009  
Spiller Name: JUNE WELRRICH  
Spiller Company: GREYHOUND LINE, INC  
Spiller Address: 350 N. ST. PAUL STREET  
Spiller City,St,Zip: DALLAS, TX 75266-  
Spiller County: 001  
Spiller Contact: MATTHEW  
Spiller Phone: (212) 971-6389  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 359542  
DEC Memo: Not reported  
Remarks: VACUTECH TEST WAS USED. GROSS FAILURE.

Material:

Site ID: 167169  
Operable Unit ID: 1079844  
Operable Unit: 01  
Material ID: 304628  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 167169  
Spill Tank Test: 1547121  
Tank Number: Not reported  
Tank Size: 2000  
Test Method: 99  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Alternate Test per 613.5a2v

SPILLS:

Facility ID: 0013487  
DER Facility ID: 359542  
Facility Type: ER  
Site ID: 167168  
DEC Region: 2  
Spill Date: 3/26/2001  
Spill Number/Closed Date: 0013487 / 10/27/2003  
Spill Cause: Unknown

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREYHOUND GARAGE (Continued)**

**S103941004**

Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

SWIS: 3101

Investigator: TJDEMEO

Referred To: Not reported

Reported to Dept: 3/26/2001

CID: 382

Water Affected: Not reported

Spill Source: Unknown

Spill Notifier: Responsible Party

Cleanup Ceased: Not reported

Cleanup Meets Std: False

Last Inspection: Not reported

Recommended Penalty: False

UST Trust: False

Remediation Phase: 0

Date Entered In Computer: 3/26/2001

Spill Record Last Update: 2/20/2009

Spiller Name: Not reported

Spiller Company: GREYHOUND LINES INC

Spiller Address: Not reported

Spiller City,St,Zip: ZZ

Spiller Company: 001

Contact Name: RHONDA DERK

Contact Phone: (214) 849-8148

DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"10/27/03 TJDProduct spilled to ground surface. Contained and cleaned using absorbents. No disposal documents submitted. Spill administratively closed.

Remarks: SPILL UNDER INVESTIGATION - OCCURRED WHILE FILLING TANK AT DEPOT

Material:

Site ID: 167168

Operable Unit ID: 834970

Operable Unit: 01

Material ID: 540199

Material Code: 0008

Material Name: Diesel

Case No.: Not reported

Material FA: Petroleum

Quantity: 40

Units: Gallons

Recovered: No

Resource Affected: Not reported

Oxygenate: False

Tank Test:

Facility ID: 0012039

DER Facility ID: 359542

Facility Type: ER

Site ID: 167167

DEC Region: 2

Spill Date: 12/11/2000

Spill Number/Closed Date: 0012039 / 5/11/2004

Spill Cause: Equipment Failure

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREYHOUND GARAGE (Continued)**

**S103941004**

Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 2/8/2001  
CID: 282  
Water Affected: Not reported  
Spill Source: Non Major Facility > 1,100 gal  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/8/2001  
Spill Record Last Update: 2/20/2009  
Spiller Name: JUNE WELRICH  
Spiller Company: GREYHOUND LINES, INC  
Spiller Address: 350 N. ST. PAUL STREET  
Spiller City,St,Zip: DALLAS, TX 75266-  
Spiller Company: 001  
Contact Name: JUNE WEIRICH  
Contact Phone: (214) 849-8842  
DEC Memo: Not reported  
Remarks: Caller was calling for greyhound they got the results back back in december and found petroleum constinuints in the soil.

**Material:**

Site ID: 167167  
Operable Unit ID: 833405  
Operable Unit: 01  
Material ID: 571931  
Material Code: 1213A  
Material Name: MTBE (METHYL-TERT-BUTYL ETHER)  
Case No.: 01634044  
Material FA: Hazardous Material  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: True  
Site ID: 167167  
Operable Unit ID: 833405  
Operable Unit: 01  
Material ID: 542324  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREYHOUND GARAGE (Continued)**

**S103941004**

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

**AO254**  
**SSW**  
**1/4-1/2**  
**0.300 mi.**  
**1582 ft.**

**201 ST & 10 AVE/SHELL**  
**201 ST / 10 AVENUE**  
**NEW YORK CITY, NY**  
**Site 3 of 4 in cluster AO**

**NY Spills** **S102142377**  
**N/A**

**Relative:**  
**Lower**

**Actual:**  
**11 ft.**

**SPILLS:**

Facility ID: 8807698  
DER Facility ID: 117721  
Facility Type: ER  
Site ID: 330683  
DEC Region: 2  
Spill Date: 10/25/1988  
Spill Number/Closed Date: 8807698 / 11/20/2003  
Spill Cause: Unknown  
Spill Class: Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)

**SWIS:**

Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 12/21/1988  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/29/1988  
Spill Record Last Update: 7/20/2005  
Spiller Name: Not reported  
Spiller Company: SHELL GAS STATION  
Spiller Address: 3761 TENTH AVE  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"closed ref #9301145  
Remarks: HANDEX CHECKING MONITORING WELLS, DICOVERED PRODUCT LEAKAGE, WELL #1 ON 3761 10TH AVENUE HAD .01FT OF PRODUCT.

**Material:**

Site ID: 330683  
Operable Unit ID: 924253  
Operable Unit: 01  
Material ID: 456019  
Material Code: 0009  
Material Name: Gasoline

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**201 ST & 10 AVE/SHELL (Continued)**

**S102142377**

Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: -1  
 Units: Pounds  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AS255**  
**NNE**  
**1/4-1/2**  
**0.301 mi.**  
**1591 ft.**

**FORMER FED EX/ FUTURE #7 EXTENSION**  
**538 WEST 34TH STREET**  
**MANHATTAN, NY**  
**Site 1 of 13 in cluster AS**

**NY Spills S110751714**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**30 ft.**

Facility ID: 1010766  
 DER Facility ID: 399271  
 Facility Type: ER  
 Site ID: 444380  
 DEC Region: 2  
 Spill Date: 1/19/2011  
 Spill Number/Closed Date: 1010766 / 12/12/2011  
 Spill Cause: Unknown  
 Spill Class: Not reported  
 SWIS: 3101  
 Investigator: HRPATEL  
 Referred To: Not reported  
 Reported to Dept: 1/19/2011  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 1/19/2011  
 Spill Record Last Update: 12/13/2011  
 Spiller Name: Not reported  
 Spiller Company: UNKNOWN  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: ROSEMARY TOUSSAINT-PORTES  
 Contact Phone: Not reported  
 DEC Memo: 1/20/11-Vought-Primary off hours responder. Vought inspected PBS and found no registration at or close to site address. Vought inspected Spills Database and noted open spill #9000078 managed by DEC Ahmed at same site. As per spill notes for that spill from 10/25/10, DEC Ahmed "Received email from Lew Wunderlich of MTA. As per the email, The Hudson Yards Development Corporation (HYDC) contracted with the NYC Housing & Preservation Department (NYC HPD) to demolish the FEDEX

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER FED EX/ FUTURE #7 EXTENSION (Continued)**

**S110751714**

building. NYC HPD completed the demolition in June 2010, removed the concrete fill tank, all contaminated soil and backfilled. The site has not been turned over to the MTA as of yet; however, this is anticipated by the end of September 2010. HYDC or NYCHPD would contact DEC in the future regarding this matter." Vought noted that no CSL letter sent recently reflecting development of site for either spill number. Vought called spill caller (Rosemary Toussaint-Portes MTA Capital Construction 646-252-3291) for more information and left message to return call. 1/24/11-Vought-Received call from Rosemary and she spoke with DEC Ahmed on both spills.2/8/11-Vought-Spoke with DEC Urda and Ahmed and this spill transferred to DEC Ahmed who will perform site visit and sent letter to MTA Capital Construction with cc to current property owner. Letter to possibly include requirements of:1)delineation of soil and groundwater contamination2)collection of endpoint samples3)inclusion of statement that RAP must be approved by DEC prior to development4)possible PBS registration requirements.Vought drafted CSL with below requirements:1)PBS Registration2)Collection of endpoint samples3)delineation of soil contamination and Groundwater (if applicable)4)installation of Vapor barrier/SSDS5)inclusion of clause that RAP must be approved prior to development.10/31/11-Hiralkumar Patel. case transferred from DEC Hasan to DEC Patel.12/08/11-Hiralkumar Patel.alternate address: 528-556 W 34th Street, 527-551 W 33rd StreetPBS #: 2-600488.other spills: 8910499, 9000078, 9007639, 9011459, 9300804as per PBS # 2-600488, the site has/had following tanks:- one (1) 20,000 gal diesel UST closed-in-place in Aug. 1992- one (1) 5,000 gal #2 oil AST (in contact with soil), installed in Dec. 1993 and closed-in-place in Mar. 1996- four (4) 10,000 gal gasoline USTs closed-in-place- two (2) 10,000 gal diesel USTs closed-in-place- two (2) 10,000 gal #6 oil USTs closed-in-place in Aug. 1992- one (1) 500 gal waste oil AST (in contact with soil), installed in Jan. 1989 and closed-in-place in Jun. 2008- two (2) 275 gal waste oil ASTs (in contact with soil) were converted to non-regulated usespill #: 8910499 was reported on 02/02/1990 due to 20 gal #6 oil spilled on sidewalk due to overflow. case closed.spill #: 9000078 was reported on 04/04/1990 due to findings of contaminated soil during gasoline tanks abandonment. case is still open.spill #: 9007639 was reported on 12/12/1990 after finding low level of contamination in soil and groundwater samples. case closed. a notification for tanks abandonment on e-docs.spill #: 9011459 was reported on 01/31/1991 as suspected a leak from the 10,000 gal #2 oil tank. spill closed.spill #: 9300804 was reported on 04/16/1993 due to 5 gal #2 oil spill on sidewalk. case closed.Rose-May Toussaint-PortesEnvironmental ManagerSustainability and Environmental ManagementNYCPh. (646) 252-3291email: rose-may.toussaint-portes@nyc.com 12/12/11-Hiralkumar Patel.11:32 AM:- spoke with Rose-May and asked to submit UST closure report.12:38 PM:- received email from Rose-May including UST closure report. abstract:- site occupies three properties identified as lots 1, 5 and 54- lot 1 was formerly occupied by half-story Copacabana nightclub. historic use included a machinery warehouse and a motor freight station located on the western portion of the site- lot 5 was formerly occupied by five-story Octagon nightclub. historic use of the lot included an iron foundry, machine shop and potentially other unknown types of manufacturing or commercial uses located on the western portion of the site- lot 54 was occupied by three-story fedex distribution center. historic use of the lot included a foundry, a rail freight station, and a UPS facility and fueling

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER FED EX/ FUTURE #7 EXTENSION (Continued)**

**S110751714**

station located on the eastern portion of the site- six 10,000 gal USTs were reported to have been abandoned by fedex on 02/07/1990, before taking occupancy of the site as a tenant- following the demolition of the fedex facility in 2010, the six USTs were removed <----- anticipated redevelopment of the site will include a pedestrian entrance and stairway leading to the proposed 34th street station of the No. 7 subway extension, and the construction of a subterranean system building- proposed developments of the site require extensive soil and bedrock excavation- total of four single walled steel USTs were removed: one 12,000 gal fuel oil UST (which could be registered 10,000 gal #6 oil UST), one 550 gal fuel oil UST, one 1,000 gal fuel oil UST and one 550 gal gasoline UST- the 12,000 gal fuel oil (tank T2) and the 550 gal fuel oil (tank T3) were found in southeastern portion of the site, identified as grid C11- tank T2 was located within a partial concrete encasement observed at the base and at the north/northeast sidewall of the tank, and appeared to be associated with a fill pipe protruding near the edge of the sidewalk along the W 33rd street- tank T3 was not located within an encasement and appeared to be associated with an observed 3/4 inch copper supply/return line- upon removal of tank T3, perforations were evident at the base of the 550 gal UST- underlying soil conditions at both tanks T2 and T3 exhibited visible signs of petroleum contamination (PID readings ranged from 0.2 to 0.8 ppm)- the 550 gasoline (tank T1) and the 1,000 gal fuel oil (tank T4) were discovered on the northwestern portion of the site, identified as grid B32- tank T1 was observed to be encapsulated in concrete and contained residual liquid product- based on field observations, tank T1 appeared intact, with no visible evidence of leakage or staining in the exposed soils surrounding the tank- tank T4 was also observed to be encased in concrete- upon removal, no perforations or cracks were observed- found visible staining and PID readings upto 80 ppm in soils underlying tank T4- no fill ports, fuel piping, vent lines, dispensers, or other associated tank system components were encountered- some perched water and stormwater was observed pooled at the site surface- groundwater was not encountered during tank removal activities or during excavation efforts- petroleum contaminated soil was encountered at three areas of concern: two tank bed excavations of the USTs (tanks T1/T4 and T2/T3) and unknown historical contamination identified as Northeast Corner- overall excavation was not limited to the specific areas of concern, and was extended vertically from grade to underlying bedrock, and laterally to the perimeter boundaries of the site- no VOCs found in endpoint samples- some SVOCs found in samples- endpoint samples were collected from each excavation, but then excavations were extended as part of the redevelopment project- the four removed tanks were registered (PBS #: 2-611659) based on UST closure report, case closed.

Remarks: CONTAMINATED SOIL FOUND DURING EXCAVATION RELATING TO BURIED TANKS HISTORIC SPILL #9000078.

Material:  
Site ID: 444380  
Operable Unit ID: 1194828  
Operable Unit: 01  
Material ID: 2190695  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER FED EX/ FUTURE #7 EXTENSION (Continued)**

**S110751714**

Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AS256**  
**NNE**  
**1/4-1/2**  
**0.301 mi.**  
**1591 ft.**

**528 WEST 34TH ST/MANH**  
**528 WEST 34TH STREET**  
**NEW YORK CITY, NY**

**NY Spills S104495255**  
**N/A**

**Site 2 of 13 in cluster AS**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**32 ft.**

Facility ID: 9007639  
DER Facility ID: 173145  
Facility Type: ER  
Site ID: 208695  
DEC Region: 2  
Spill Date: 2/7/1990  
Spill Number/Closed Date: 9007639 / 10/12/1990  
Spill Cause: Unknown  
Spill Class: Not reported  
SWIS: 3101  
Investigator: O'DOWD  
Referred To: Not reported  
Reported to Dept: 10/12/1990  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: 10/12/1990  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/31/1990  
Spill Record Last Update: 12/13/2011  
Spiller Name: Not reported  
Spiller Company: BULL WORK CORP  
Spiller Address: P O BOX 281  
Spiller City,St,Zip: BEDFORD, NY 10506  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: 09/04/08-HRAHMED-This case is probably a duplication of Spill#9000078 and may be that's why it was closed. No documentation found for remedial action.12/08/11-Hiralkumar Patel. duplicate spill. refer to spill #: 9000078 for notes and documents.

Remarks:

340 PPM HYDROCARBONS, DISCOVERED LOW LEVEL CONTAMINATION AT SITE OF 6 TANKS CLOSED, 3 MONITORING WELLS IN PLACE, (1) WELL DOWNSTREAM FROM TANK 100P/BILLION.

Material:

Site ID: 208695

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**528 WEST 34TH ST/MANH (Continued)**

**S104495255**

Operable Unit ID: 948285  
Operable Unit: 01  
Material ID: 431485  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

**Tank Test:**

Site ID: 208695  
Spill Tank Test: 1537702  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

**AS257**  
**NNE**  
**1/4-1/2**  
**0.301 mi.**  
**1591 ft.**

**528 W 34TH ST**  
**528 W 34TH ST**  
**MANHATTAN, NY**  
**Site 3 of 13 in cluster AS**

**NY LTANKS** **S102672155**  
**N/A**

**Relative:**  
**Higher**

**LTANKS:**

Site ID: 153341  
Spill Number/Closed Date: 9300804 / 4/16/1993  
Spill Date: 4/16/1993  
Spill Cause: Tank Overfill  
Spill Source: Tank Truck  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)  
Cleanup Ceased: 4/16/1993  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: CAMMISA  
Referred To: Not reported  
Reported to Dept: 4/16/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 4/21/1993  
Spill Record Last Update: 7/20/1993  
Spiller Name: Not reported  
Spiller Company: WHALECO

**Actual:**  
**32 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**528 W 34TH ST (Continued)**

**S102672155**

Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ  
 Spiller County: 001  
 Spiller Contact: Not reported  
 Spiller Phone: Not reported  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 130112  
 DEC Memo: Not reported  
 Remarks: CONTAINED IN SIDEWALK SENDING SPILL TEAM TO CLEANUP

Material:

Site ID: 153341  
 Operable Unit ID: 979410  
 Operable Unit: 01  
 Material ID: 401544  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 5  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AT258**  
**NNE**  
**1/4-1/2**  
**0.302 mi.**  
**1595 ft.**

**IN ROADWAY**  
**IFO 545 W 34TH ST**  
**MANHATTAN, NY**

**NY Spills S105235760**  
**N/A**

**Site 1 of 4 in cluster AT**

**Relative:**  
**Higher**

SPILLS:

Facility ID: 0107768  
 DER Facility ID: 197976  
 Facility Type: ER  
 Site ID: 240745  
 DEC Region: 2  
 Spill Date: 10/30/2001  
 Spill Number/Closed Date: 0107768 / 10/31/2001  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**34 ft.**

SWIS: 3101  
 Investigator: TGHALL  
 Referred To: Not reported  
 Reported to Dept: 10/30/2001  
 CID: 390  
 Water Affected: Not reported  
 Spill Source: Commercial Vehicle  
 Spill Notifier: Local Agency  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: True  
 Last Inspection: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IN ROADWAY (Continued)**

**S105235760**

Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/30/2001  
Spill Record Last Update: 12/28/2001  
Spiller Name: Not reported  
Spiller Company: T & S TRUCKING  
Spiller Address: 53 2ND AVENUE  
Spiller City,St,Zip: BROOKLYN, NY  
Spiller Company: 001  
Contact Name: BILL MURPHY  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "HALL"REFER TO 107765.Con Ed e2mis Notes:10-30-01 13:03 hrs At approx 12:10hrs, a diesel fuel tank on a truck belonging to T&S Trucking, Brooklyn NY (718-499-2900) ruptured a fuel line on same. Diesel fuel entered S6269. FDNY on scene and estimated 50gal was spilled 45gal of which entered S6269.This is a third party spill. Damaged fuel line of diesel fuel tank which supplies fuel to vehicle's engine spilled 50gal fuel to asphalt. 45gal went into service box. No standing water, no sump pump. No oil filled equipment in structure. Driver of tanker is attempting to make repairs. Service box has no sewer connection or sump.AllState PowerVac to respond to clean service box. Mr. Eston Clare of T&S Trucking reported that they will have Petroleum Tank Cleaners respond to location to clean sidewalk and street area.10-31-01 Cleanup was completed at 0100hrs on 10/31/01. Approx 10drums of liquid and sludge removed by AllState.DEC Inspector Notes:10-30-01 16:00hrs Update from ERT Dan ShahCon Ed hiring contractor to clean out their structure and will be back billing T&S Trucking. T&S Trucking is hiring a contractor to cleanup other affected areas.10/31/2001: NO FURTHER ACTION REQUIRED BY SPILLS UNIT AT THIS TIME-CLOSED.

Remarks: ruptured fuel tank caused spill45 gals went into a service box

Material:  
Site ID: 240745  
Operable Unit ID: 845008  
Operable Unit: 01  
Material ID: 529030  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AS259**  
**NNE**  
**1/4-1/2**  
**0.302 mi.**  
**1595 ft.**

**530 WEST 34TH ST/MANH**  
**530 WEST 34TH STREET**  
**NEW YORK CITY, NY**  
**Site 4 of 13 in cluster AS**

**NY LTANKS**    **S104275563**  
**N/A**

**Relative:**  
**Higher**

LTANKS:

Site ID: 115809  
 Spill Number/Closed Date: 8910499 / 2/2/1990  
 Spill Date: 2/2/1990  
 Spill Cause: Tank Overfill  
 Spill Source: Tank Truck  
 Spill Class: Not reported  
 Cleanup Ceased: 2/2/1990  
 Cleanup Meets Standard: True  
 SWIS: 3101  
 Investigator: WILSON  
 Referred To: Not reported  
 Reported to Dept: 2/2/1990  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Responsible Party  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False  
 Remediation Phase: 0  
 Date Entered In Computer: 2/5/1990  
 Spill Record Last Update: 9/30/2004  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ  
 Spiller County: 001  
 Spiller Contact: Not reported  
 Spiller Phone: Not reported  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 100856  
 DEC Memo: Not reported  
 Remarks: INACCURATE GAUGE RESULTING IN OVERFILL ON SIDEWALK, CONTAINED ON SIDEWALK, SPILL CLEANED UP WITH SPEEDY DRY.

**Actual:**  
**32 ft.**

Material:

Site ID: 115809  
 Operable Unit ID: 935860  
 Operable Unit: 01  
 Material ID: 443601  
 Material Code: 0003A  
 Material Name: #6 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 20  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**AT260**  
**NNE**  
**1/4-1/2**  
**0.302 mi.**  
**1597 ft.**

**CITY BUILDING**  
**527 WEST 34TH STREET**  
**MANHATTEN, NY**  
  
**Site 2 of 4 in cluster AT**

**NY Spills**    **S109059888**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**33 ft.**

**SPILLS:**

Facility ID: 0712376  
DER Facility ID: 343551  
Facility Type: ER  
Site ID: 393979  
DEC Region: 2  
Spill Date: 2/25/2008  
Spill Number/Closed Date: 0712376 / 2/27/2008  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:**

Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 2/25/2008  
CID: 444  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/25/2008  
Spill Record Last Update: 2/27/2008  
Spiller Name: ANTHONY MILANESE  
Spiller Company: CITY BUILDING  
Spiller Address: 527 WEST 34TH STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 001  
Contact Name: ANTHONY MILANESE  
Contact Phone: (718) 402-5107  
DEC Memo:

2/25/08 - City owned building (HPD) had a loose vent pipe fitting on the top of the tank. Overfill caused 40-50 gal of #4 oil to spill to the basement floor over the side of the tank. Eastmond was hired to do the cleanup. SS.2/27/08 Cleanup is complete and EastCoast Boiler is in the process of rebuilding the vent piping. Cleanup is complete. SS.

Remarks: could be a broken pipe still investigating

**Material:**

Site ID: 393979  
Operable Unit ID: 1150928  
Operable Unit: 01  
Material ID: 2141576  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CITY BUILDING (Continued)**

**S109059888**

Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AT261**  
**NNE**  
**1/4-1/2**  
**0.302 mi.**  
**1597 ft.**

**APARTMENT BUILDING**  
**527 WEST 34TH STREET**  
**MANHATTAN, NY**  
**Site 3 of 4 in cluster AT**

**NY Spills S108636026**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**33 ft.**

**SPILLS:**

Facility ID: 0700391  
DER Facility ID: 329225  
Facility Type: ER  
Site ID: 379730  
DEC Region: 2  
Spill Date: 4/10/2007  
Spill Number/Closed Date: 0700391 / 4/24/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:**

3101  
Investigator: rvketani  
Referred To: Not reported  
Reported to Dept: 4/12/2007  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/12/2007  
Spill Record Last Update: 7/12/2007  
Spiller Name: ERTSDESK  
Spiller Company: APARTMENT BUILDING  
Spiller Address: 527 WEST34TH STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 999  
Contact Name: CON ED ERTSDESK  
Contact Phone: (212) 580-8383  
DEC Memo: 205311. see eDocs.Apartment bldg at 527 West 34 Street referred to Spills Group.4/23/07 - Raphael Ketani. The spill was originally reported by Con Ed (Tom Marcinek (212) 580-6763) as they found 4 gals. of fuel oil in their VS #3863. The ERTSDESK for Con Ed (212) 580-8383 was the contact. I spoke to Pat at the ERTSDESK and he said he didn't have any more information on the spill into the transformer vault than what was already given to the DEC. He claimed it was coming from the apartment building at 527 West 34 St., NY.The building is managed by Downing Management Corp., 12 E. 49 St., rm. 1204, NY, 10017-8283, (212) 750-4299. The block and lot are: 00706/0017. I contacted the receptionist at Downing and she said that

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APARTMENT BUILDING (Continued)**

**S108636026**

Remarks: the super would call me back. 4/24/07 - Raphael Ketani. I never got a response back. So I made a site visit. The fill port for the building is right above the Con Ed transformer vault grating. Stains were slightly visible on the edge of the grating and on the wall below the fill port. Based upon the small size of the spill, the fact that Con Ed already cleaned it up, the location of the fill port right above the grating and no evidence of any other reason for the spillage of oil into the vault, I am closing the spill case.  
LEAKED FROM A BUILDING FILLIN POINT: WILL BE CLEANED UP NO TO 5. 205311

Material:  
Site ID: 379730  
Operable Unit ID: 1137214  
Operable Unit: 01  
Material ID: 2127170  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 4  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AS262  
NNE  
1/4-1/2  
0.304 mi.  
1605 ft.

**FEDERAL EXPRESS CORP**  
**538 W 34TH ST**  
**NEW YORK, NY 10022**  
**Site 5 of 13 in cluster AS**

**RCRA NonGen / NLR 1000474245**  
**NY AST NY Spills NYD986888675**

**Relative:**  
**Higher**

RCRA NonGen / NLR:  
Date form received by agency: 01/01/2007  
Facility name: FEDERAL EXPRESS CORP  
Facility address: 538 W 34TH ST  
NEW YORK, NY 10022  
EPA ID: NYD986888675  
Mailing address: W 34TH ST  
NEW YORK, NY 10022  
Contact: Not reported  
Contact address: W 34TH ST  
NEW YORK, NY 10022  
Contact country: US  
Contact telephone: Not reported  
Contact email: Not reported  
EPA Region: 02  
Land type: Facility is not located on Indian land. Additional information is not known.  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**31 ft.**

Owner/Operator Summary:  
Owner/operator name: FEDERAL EXPRESS  
Owner/operator address: 538 W 34TH ST

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FEDERAL EXPRESS CORP (Continued)**

**1000474245**

NEW YORK, NY 10001  
Owner/operator country: US  
Owner/operator telephone: (212) 465-4261  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: BULWARK CORP  
Owner/operator address: 224 12TH AVE  
NEW YORK, NY 10001  
Owner/operator country: US  
Owner/operator telephone: (212) 695-8090  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/01/2006  
Facility name: FEDERAL EXPRESS CORP  
Classification: Not a generator, verified

Date form received by agency: 04/14/1995  
Facility name: FEDERAL EXPRESS CORP  
Classification: Not a generator, verified

Date form received by agency: 08/26/1992  
Facility name: FEDERAL EXPRESS CORP  
Classification: Small Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 07/27/1999  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FEDERAL EXPRESS CORP (Continued)**

**1000474245**

AST:

Region: STATE  
DEC Region: 2  
Site Status: Unregulated  
Facility Id: 2-600488  
Program Type: PBS  
UTM X: 584437.59724999999  
UTM Y: 4512038.5916499998  
Expiration Date: N/A

Affiliation Records:

Site Id: 22469  
Affiliation Type: Owner  
Company Name: FEDERAL EXPRESS  
Contact Type: SR. ENVIRONMENTAL SPECIALIST  
Contact Name: TONY GULLA  
Address1: 538 WEST 34TH STREET  
Address2: Not reported  
City: NEW YORK  
State: NY  
Zip Code: 10001  
Country Code: 001  
Phone: (973) 565-2305  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 12/20/2004

Site Id: 22469  
Affiliation Type: Mail Contact  
Company Name: FEDERAL EXPRESS  
Contact Type: Not reported  
Contact Name: TONY GULLA  
Address1: NEWARK INTL. AIRPORT  
Address2: BLDG 347  
City: NEWARK  
State: NJ  
Zip Code: 07114  
Country Code: 001  
Phone: (973) 565-2305  
Phone Ext: Not reported  
Email: TGULLA@FEDEX.COM  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/21/2008

Site Id: 22469  
Affiliation Type: On-Site Operator  
Company Name: FEDERAL EXPRESS  
Contact Type: Not reported  
Contact Name: TONY GULLA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FEDERAL EXPRESS CORP (Continued)**

1000474245

Country Code: 001  
Phone: (973) 565-2305  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/21/2008

Site Id: 22469  
Affiliation Type: Emergency Contact  
Company Name: FEDERAL EXPRESS  
Contact Type: Not reported  
Contact Name: TONY GULLA  
Address1: Not reported  
Address2: Not reported  
City: Not reported  
State: NN  
Zip Code: Not reported  
Country Code: 001  
Phone: (973) 565-2305  
Phone Ext: Not reported  
Email: Not reported  
Fax Number: Not reported  
Modified By: NRLOMBAR  
Date Last Modified: 8/21/2008

Tank Info:

Tank Number: 002  
Tank Id: 50788

Equipment Records:

H00 - Tank Leak Detection - None  
A00 - Tank Internal Protection - None  
D00 - Pipe Type - No Piping  
G00 - Tank Secondary Containment - None  
J00 - Dispenser - None  
B00 - Tank External Protection - None  
C00 - Pipe Location - No Piping  
F00 - Pipe External Protection - None  
I00 - Overfill - None

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - In Place  
Pipe Model: Not reported  
Install Date: 12/01/1993  
Capacity Gallons: 5000  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 03/01/1996  
Register: True  
Modified By: TRANSLAT  
Last Modified: 03/04/2004

Tank Number: 003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FEDERAL EXPRESS CORP (Continued)**

**1000474245**

Tank Id: 50789

Equipment Records:

- H00 - Tank Leak Detection - None
- D00 - Pipe Type - No Piping
- G00 - Tank Secondary Containment - None
- J00 - Dispenser - None
- B00 - Tank External Protection - None
- C00 - Pipe Location - No Piping
- F00 - Pipe External Protection - None
- A00 - Tank Internal Protection - None
- I00 - Overfill - None

Tank Location: 1

Tank Type: Steel/Carbon Steel/Iron

Tank Status: Tank Converted to Non-Regulated Use

Pipe Model: Not reported

Install Date: Not reported

Capacity Gallons: 275

Tightness Test Method: NN

Date Test: Not reported

Next Test Date: Not reported

Date Tank Closed: Not reported

Register: True

Modified By: NRLOMBAR

Last Modified: 12/20/2004

Tank Number: 004

Tank Id: 50790

Equipment Records:

- H00 - Tank Leak Detection - None
- D00 - Pipe Type - No Piping
- G00 - Tank Secondary Containment - None
- J00 - Dispenser - None
- B00 - Tank External Protection - None
- A00 - Tank Internal Protection - None
- C00 - Pipe Location - No Piping
- F00 - Pipe External Protection - None
- I00 - Overfill - None

Tank Location: 1

Tank Type: Steel/Carbon Steel/Iron

Tank Status: Tank Converted to Non-Regulated Use

Pipe Model: Not reported

Install Date: Not reported

Capacity Gallons: 275

Tightness Test Method: NN

Date Test: Not reported

Next Test Date: Not reported

Date Tank Closed: Not reported

Register: True

Modified By: NRLOMBAR

Last Modified: 12/20/2004

Tank Number: OO5

Tank Id: 181179

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FEDERAL EXPRESS CORP (Continued)**

**1000474245**

Equipment Records:

C01 - Pipe Location - Aboveground  
G01 - Tank Secondary Containment - Diking (Aboveground)  
I04 - Overfill - Product Level Gauge (A/G)  
I02 - Overfill - High Level Alarm

Tank Location: 1  
Tank Type: Steel/Carbon Steel/Iron  
Tank Status: Closed - In Place  
Pipe Model: Not reported  
Install Date: 01/01/1989  
Capacity Gallons: 500  
Tightness Test Method: NN  
Date Test: Not reported  
Next Test Date: Not reported  
Date Tank Closed: 06/01/2008  
Register: True  
Modified By: NRLOMBAR  
Last Modified: 08/14/2008

SPILLS:

Facility ID: 9000078  
DER Facility ID: 206063  
Facility Type: ER  
Site ID: 251404  
DEC Region: 2  
Spill Date: 3/14/1990  
Spill Number/Closed Date: 9000078 / 12/13/2011  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: HRPATEL  
Referred To: Not reported  
Reported to Dept: 4/4/1990  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: True  
Remediation Phase: 0  
Date Entered In Computer: 5/8/1990  
Spill Record Last Update: 12/13/2011  
Spiller Name: DON SCICUTELLA  
Spiller Company: FEDERAL EXPRESS  
Spiller Address: 538 WEST 34 STREET  
Spiller City,St,Zip: NEW YORK, NY 10001  
Spiller Company: 999  
Contact Name: DON SCICUTELLA  
Contact Phone: (212) 465-4310  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ROMMEL"4/12/04-Vought-Spill transferred from Tomasello to Rommel as per Rommel.3/5/08 - Austin - Assigned to Ketani for further

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FEDERAL EXPRESS CORP (Continued)**

**1000474245**

investigation - end5/5/08 - Raphael Ketani. I re-opened the case. There is no paper file. The spill was the discovery of oil contaminated soil in the process of closing some tanks. The discovery took place on 3/14/90. I tried to contact Don Scicutella of Federal Express in Manhattan at (212) 465-4310, but found out that the phone number belonged to a different business. The PBS case #2-600488 lists 13 tanks numbered #1 to #12 and #OO5. Tanks #1 to #12 had diesel, gas, #2 oil, and #6 oil. Tanks #3 and #4 are each 275 gals. and were converted to non-regulatory use. They contain waste oil. Tank #OO5 is 500 gals. and contains waste oil. Tanks #1, #2, #5 to #12 were closed in place. There is a local contact person and phone number, but the number doesn't work anymore. The local Federal Express address is: 538 West 34 Street, NY, 10001. The main business address is: 3620 Hacks Cross Road, Bldg. B, 2nd Floor, Memphis, TN, 38125. I sent a CSL to the main business address for Federal Express. 6/2/08 - Raphael Ketani. I spoke to Tony Gulla (goo-la) (973) 565-2305 of FED EX. He said that he talked to a number of people and no one can recall the spill. He said that FED EX just vacated the site. I told him that DEC has no documentation that the spill was remediated. So a new investigation needs to take place. I told him that the tanks are registered to FED EX. He asked for a copy of the PBS registration. I sent it to him by FAX (973) 565-2363. 8/15/08 - Raphael Ketani. In preparation for case transfer, I am annotating the database as regards what needs to be done at the site to resolve the alleged or known environmental contamination. A followup phone call and maybe a letter need to be sent to find out if an investigation is taking place. A subsurface investigation is needed for the site. 09/03/08-HRAHMED-Charla Reinganum of FedEx (847 215 4115) called, she is the Project Manager for this case. She asked for any documentation that DEC might have. DEC Ahmed would look for any documentation that DEC might have and call her back. Ahmed found another spill case 9007639, that might be a duplicate of this case. 09/04/08-HRAHMED-Ahmed Called Charla to inform that no paper documentation was found. Ahmed suggested charla to find any kind of documentation that support that remedial action was taken place. Charla will call back in a week with feedback. 9/15/09 - Raphael Ketani. Lou Wunderlick of the LIRR called today. He wanted to know whether FEDEX had or was going to initiate a remediation project at the site. He said that work was taking place at another part of the site and they are recovering a lot of oil. I told him that Mr. Ahmed is out of the office for a couple of weeks. He said that he will try and contact Ms. Reinganum to find out if FEDEX is going to do anything about the USTs under the site and the released oil. 10/25/10-HRAHMED-Received email from Lew Wunderlich of MTA. As per the email, The Hudson Yards Development Corporation (HYDC) contracted with the NYC Housing & Preservation Department (NYC HPD) to demolish the FEDEX building. NYC HPD completed the demolition in June 2010, removed the concrete fill tank, all contaminated soil and backfilled. The site has not been turned over to the MTA as of yet; however, this is anticipated by the end of September 2010. HYDC or NYCHPD would contact DEC in the future regarding this matter. Contact for MTA: Lew Wunderlich Env Construction Manager MTACC - Env & Sustainability Services lwunderlich@mtacc.info 646-252-3152 (O) 347-237-6249 (C) 2/8/11-Vought-See also open spill #1010766 at same location. 10/27/11 - Austin - Transferring this case from Ahmed to Ketani - end 12/08/11-Hiralkumar Patel. after discussing with DEC Austin, case transferred from DEC Ketani to my name as working on



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

FEDERAL EXPRESS CORP (Continued)

1000474245

was installed in the northeast corner of the basement- groundwater was not encountered in the soil above the bedrock- strong petroleum odors detected at 1-1.5 ft below floor surface in FX-MW1- two soil samples were collected from boring FX-MW1- boring FX-MW1 was terminated at 9 ft below floor surface and a well was installed- well FX-MW2 was installed southwest of the well FX-MW1- strong petroleum odors detected at 1.5-1.75 ft below floor surface in FX-MW2- bedrock cores collected from approx. 10 ft below floor surface in FX-MW2 were fractured and appeared to be wet- boring FX-MW2 was terminated at 16 ft below floor surface- well FX-MW3 was installed southeast of well FX-MW2- petroleum odors detected at 1.5-2 ft below floor surface in FX-MW3- bedrock cores from approx. 7 ft below floor surface in FX-MW3 were fractured and appeared to be wet- boring FX-MW3 was terminated at 15 ft below floor surface- bedrock was encountered at 4 ft below floor surface in FX-MW1 and FX-MW2 and at 3 ft below floor surface in FX-MW3- free product was not detected in any of the wells- based on site map, groundwater flows to the southwest direction- found only minor benzene in soil sample (max: 3.85 ppb)- found minor VOC contamination in water samples from downgradient wells groundwater analyticals:-----WS2A-----WS3 (FX-MW2) (FX-MW3) Benzene-----9-----59MTBE-----10-----145) 05/05/2008: DEC Ketani sent letter to FedEx requiring submission of an investigation report.6) 10/28/2008: response from FedEx to DEC's letter dated 05/05/08: David Jensen from FedEx sent letter to DEC Hasan. he mentioned that FedEx leased the property in Oct. 1988 and retained IT Corp. in 1989 to abandon the tanks. as per Mr. Jensen, the property was under renovation during the time of tank abandonment and FedEx was not operating at the site.\*\*\*\*\*12/12/11-Hiralkumar Patel.1:23 PM:- spoke with Rose-May. she mentioned that all the buildings on site were demolished including the former fedex building. they have dug down to bedrock in most of the site, but not planning any excavation in former fedex building area and there will a building in future. she doesn't know the future use of the former fedex building area. she mentioned that the six tanks under the former fedex building basement were removed by HPD in 2010. she will send copy of tank removal report.2:40 PM:- received email from Rose-May. she mentioned that HPD handled removal of six USTs below the basement slab and a storage tank sitting on the basement slab under the entrance ramp area.12/13/11-Hiralkumar Patel.10:15 AM:- spoke with Mr. Mathew at NYC HPD. asked him to submit documents about all tanks removed by HPD from the subject site.10:18 AM:- sent email to Mr. Mathew requesting copies of all tank removal reports. email copied to Rose-May.Chacko MathewNYC HPDPh. (718) 636-3320 (718) 623-9911 (917) 578-4679 (C)Fax (718) 636-3325 email: mathewc@hpd.nyc.gov2:06 PM:- received email from Mr. Mathew. including a letter with sample results. he mentioned that as tanks were legally closed in past, another tank removal report was not prepared. in letter, Mr. Mathew mentioned that HPD contractor removed total of six 5,000 gal (or two 10,000 gal) tanks. HPD collected endpoint samples and found some SVOC contamination. so area was further excavated. found clean endpoint samples after two rounds of excavations. VOC compounds were not found during any sampling events. 550 cubic yards of soils were removed.2:25 PM:- spoke with Mr. Mathew. he mentioned that the tanks mentioned in the report were removed by the general contractor. after removing tanks,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FEDERAL EXPRESS CORP (Continued)**

**1000474245**

they noticed stained soil and called HPD. before HPD arrived to the site, tanks were gone. so Mr. Mathew doesn't know whether those were six 5,000 gal tanks or six 10,000 gal tanks (as recorded on PBS) or two 10,000 gal tanks. but these tanks were removed from the basement of the former FedEx building.as per reports from 1990, the former gasoline/diesel tanks were in the basement of the fedex building.as per Rose-May from MTA, all on-site buildings were demolished and most of the site has been excavated as part of redevelopment and they removed any tanks found during excavation.after discussing with DEC Austin, case closed based on historical sampling data and current condition of the site.

Remarks: TANKS TO BE CLOSED IN PLACE, CONTAMINATED SOIL WAS DISCOVERED.

Material:

Site ID: 251404  
Operable Unit ID: 939291  
Operable Unit: 01  
Material ID: 438500  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Facility ID: 9011459  
DER Facility ID: 155981  
Facility Type: ER  
Site ID: 186619  
DEC Region: 2  
Spill Date: 1/30/1991  
Spill Number/Closed Date: 9011459 / 12/13/2011  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: HRPATEL  
Referred To: KOMOROSKE  
Reported to Dept: 1/31/1991  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/2/1991  
Spill Record Last Update: 12/13/2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FEDERAL EXPRESS CORP (Continued)**

**1000474245**

Spiller Name: Not reported  
Spiller Company: FEDERAL EXPRESS  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "M TIBBE"02/27/2003- AUSTIN As per directive to close out spills with no recent history, close out.02/17/04 - REOPENED BECUASE A FILE EXISTS. TRANSFERED FROM TOMASELLO TO TIBBE.11/25/05 - File Reviewed by Central Office Staff. 3/15/06 - Spill Closed.12/12/11-Hiralkumar Patel. while working on spill #: 1010766, came across the subject spill number. after reviewing available information on other spills and PBS database and based on available information, the report (Groundwater Investigation dated July 25, 1990, based on which the subject spill was closed by Central Office Staff) stored on e-docs is not related to the subject spill.alternate address: 528-556 W 34th Street, 527-551 W 33rd StreetPBS #: 2-600488.other spills: 8910499, 9000078, 9007639, 9011459, 9300804as per PBS # 2-600488, the site has/had following tanks:- one (1) 20,000 gal diesel UST closed-in-place in Aug. 1992- one (1) 5,000 gal #2 oil AST (in contact with soil), installed in Dec. 1993 and closed-in-place in Mar. 1996- four (4) 10,000 gal gasoline USTs closed-in-place- two (2) 10,000 gal diesel USTs closed-in-place- two (2) 10,000 gal #6 oil USTs closed-in-place in Aug. 1992- one (1) 500 gal waste oil AST (in contact with soil), installed in Jan. 1989 and closed-in-place in Jun. 2008- two (2) 275 gal waste oil ASTs (in contact with soil) were converted to non-regulated usespill #: 8910499 was reported on 02/02/1990 due to 20 gal #6 oil spilled on sidewalk due to overflow. case closed.spill #: 9000078 was reported on 04/04/1990 due to findings of contaminated soil during gasoline tanks abandonment. case is still open.spill #: 9007639 was reported on 12/12/1990 after finding low level of contamination in soil and groundwater samples. case closed. a notification for tanks abandonment on e-docs.spill #: 9011459 was reported on 01/31/1991 as suspected a leak from the 10,000 gal #2 oil tank. spill closed.spill #: 9300804 was reported on 04/16/1993 due to 5 gal #2 oil spill on sidewalk. case closed.based on following information, the investigation report (dated 07/25/1990) is related to the spill #: 9007639 and not to the spill #: 9011459:- the investigation report dated 07/25/1990 and the spill #: 9011459 was reported on 01/31/1991- the spill #: 9011459 was reported as leak suspected from the 10,000 gal UST, but the investigation report summarize work regarding monitoring well installation and groundwater sampling around the previously abandoned six USTs (possibly four gasoline and two diesel USTs) in building's basement- based on caller's remarks from spill #: 9007639, three monitoring wells were installedalso, as per report dated 07/25/1990, the six tanks were abandoned prior to the investigation. so, the only 10,000 gal tanks left on-site were the two #6 oil USTs. also, as per PBS record, the 5,000 gal #2 oil AST was installed in Dec. 1993. based on all these facts, the spill #: 9011459 must be associated with one of the two 10,000 gal #6 oil USTs and not #2 oil tank (unless one of the two 10,000 gal UST was containing #2 oil). <-----the site is currently being used by NYC MTA for #7 line extension project.Rose-May Toussaint-PortesEnvironmental ManagerSustainability and Environmental ManagementNYCPh. (646) 252-3291email:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**FEDERAL EXPRESS CORP (Continued)**

**1000474245**

rose-may.toussaint-portes@nyc.com 1:23 PM:- spoke with Rose-May. she mentioned that all the buildings on site were demolished including former fedex building. and former tanks were removed by NYC HPD.12/13/11-Hiralkumar Patel.10:15 AM:- spoke with Mr. Mathew at NYC HPD. he mentioned that a general contractor for Hudson Yard Development Corp. demolished all on-site structures and removed all tanks from site. during removal of six tanks from the basement of the former fedex building, contractor noticed stained soil and they reported to NYC HPD. NYC HPD collected endpoint samples and found no contamination. Mr. Mathew mentioned that HPD handled environmental issues at the site and he believes that as HPD was not informed there must be no contamination found during removal of other tanks on-site.Chacko MathewNYC HPDPh. (718) 636-3320 (718) 623-9911 (917) 578-4679 (C)Fax (718) 636-3325 email: mathewc@hpd.nyc.govas per Rose-May from MTA, all on-site buildings were demolished and most of the site has been excavated as part of redevelopment and they removed any tanks found during excavation.discussed with DEC Austin. based on available information, no action required. case stayed closed.

Remarks: 10K UNDERGROUND TANK, RUPTURED OR TANK OVERFILL, 100 INCHES OF OIL, 96 LEFT IN TANK, VACCUUMING PRODUCT OUT & SURFACE CLEAN UP IN BASEMENT.

Material:

Site ID:	186619
Operable Unit ID:	948471
Operable Unit:	01
Material ID:	428001
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

**AS263**  
**NNE**  
**1/4-1/2**  
**0.304 mi.**  
**1606 ft.**

**534 W. 34TH ST**  
**534 W. 34TH ST**  
**MANHATTAN, NY**  
**Site 6 of 13 in cluster AS**

**NY Spills S104495773**  
**N/A**

**Relative:**  
**Higher**

SPILLS:

Facility ID:	9408933
DER Facility ID:	177751
Facility Type:	ER
Site ID:	214539
DEC Region:	2
Spill Date:	10/4/1994
Spill Number/Closed Date:	9408933 / 8/8/1995
Spill Cause:	Equipment Failure
Spill Class:	Not reported

**Actual:**  
**32 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**534 W. 34TH ST (Continued)**

**S104495773**

SWIS: 4101  
Investigator: ADZHITOM  
Referred To: Not reported  
Reported to Dept: 10/4/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: 8/8/1995  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/7/1994  
Spill Record Last Update: 8/8/1995  
Spiller Name: Not reported  
Spiller Company: ROY PARKER  
Spiller Address: 5061 ABELIA DRIVE  
Spiller City,St,Zip: BATON ROUGE, LA 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ZHITOMIRSKY"10/04/95: NYC HEALTH DEP, NYC DEP RESPONDED.S.SIEBENBERG REPORTED THAT 30 "SEEDS" WERE MISSING OUT OF 82 "SEEDS"TOTAL AMOUNT OF SPILLED SUBSTANCE IS 62MLCU.NYU MEDCEN WAS THE RECEIPTNYCDOHIS ISINCARGEOF T.10/10/95: This is additional information about material spilled from the translation of the old spill file: IODINE 125-62.5 UNIT.

Remarks: FEDERAL EXPRESS NOTIFIED. NRC OF PACKAGE LEAKING. RADIOACTIVE MATERIAL. 85 CAPSULES ARE MISSING FROM THE PACKAGE. DEP WAS NOTIFIED. ANY ACTION UNKNOWN. CALL BACK REQUIRED.

Material:

Site ID: 214539  
Operable Unit ID: 1006650  
Operable Unit: 01  
Material ID: 567139  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AQ264**      **506-509 W 21ST & 22ND STS**  
**SSW**        **509 WEST 21ST ST**  
**1/4-1/2**     **NYC, NY 10011**  
**0.305 mi.**  
**1608 ft.**    **Site 2 of 10 in cluster AQ**

**NY Spills**    **S104495327**  
                   **N/A**

**Relative:**  
**Lower**

**SPILLS:**

**Actual:**  
**10 ft.**

Facility ID: 9112111  
 DER Facility ID: 223550  
 Facility Type: ER  
 Site ID: 274838  
 DEC Region: 2  
 Spill Date: 2/26/1992  
 Spill Number/Closed Date: 9112111 / 12/17/1997  
 Spill Cause: Unknown  
 Spill Class: Known release that creates a file or hazard. (Highly Improbable)  
 SWIS: 3101  
 Investigator: MCTIBBE  
 Referred To: Not reported  
 Reported to Dept: 2/26/1992  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Citizen  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 3/2/1992  
 Spill Record Last Update: 12/27/2012  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller Company: 001  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"SEE FILE. SEE ALSO 95-10154 & 96-10012.

Remarks: VACANT LOT WITH GAS PUMPS.

**Material:**

Site ID: 274838  
 Operable Unit ID: 962291  
 Operable Unit: 01  
 Material ID: 417096  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: -1  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AQ265**  
**SSW**  
**1/4-1/2**  
**0.305 mi.**  
**1610 ft.**

**CHELSEA OPERATING, INC.**  
**521 WEST 21ST STREET**  
**NEW YORK, NY 10011**  
**Site 3 of 10 in cluster AQ**

**NY Spills**    **S107415918**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 0508276  
 DER Facility ID: 301153  
 Facility Type: ER  
 Site ID: 353823  
 DEC Region: 2  
 Spill Date: 10/11/2005  
 Spill Number/Closed Date: 0508276 / Not Closed  
 Spill Cause: Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**9 ft.**

**SWIS:**

Investigator: aaobliga  
 Referred To: QUARTELRY MONITORING  
 Reported to Dept: 10/11/2005  
 CID: 444  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 5  
 Date Entered In Computer: 10/11/2005  
 Spill Record Last Update: 12/26/2012  
 Spiller Name: GUY ROBERTS  
 Spiller Company: APARTMENT  
 Spiller Address: 521 WEST 21ST STREET  
 Spiller City,St,Zip: NEW YORK, NY  
 Spiller Company: 001  
 Contact Name: GUY ROBERTS  
 Contact Phone: (646) 217-2441  
 DEC Memo:

“Found old PBS for the site Five 550 gal gasoline UST’s were closed/removed on 10/1/97.No other PBS at this address (sometimes a site has more than one address?)CSL sent to:Chelsea Operating Inc521 West 21 StreetNew York, NY 10011Attn: Guy Roberts11.08.05 Sharif-David from Delta Environmental called to say he believes the high SVOC level in the soil is because of the former 550 gal UST’s those were removed couple of years ago. He has the site assesment report and will send it to DEC. Remedial work might be needed depending on the level of contamination.11/23/05 - David Greffenius, 914-765-8172 called. Working on this case, need a PM to work with. - KST11/29/05 - Obligado - Spill transferred from Tang to Obligado. Called David Greffenius, left message.11/29/05 - Obligado - Received phone call from Tanya (917)257-7707, tenant on second floor who just signed a lease on the garage on the first floor. Plans to do construction to turn the garage into an art gallery. 1st floor is 10,000 square feet of space and 1/2 of it is already a gallery leased by a different tenant, Tanya wants to do construction on other half. Plans to pour concrete floor. Owner is Guy Roberts (above).11/29/05 - Obigado - review PBS records. PBS #2-601593 - 5 550 gallon gasoliine USTS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHELSEA OPERATING, INC. (Continued)**

**S107415918**

removed in 1997. 1 1500 gallon #4 fuel oil UST abandoned in place on 11/9/05. Site was formally of trucking/transportation/fleet operation garage called Chelsea Operating Inc. Removed tanks were single wall steel with no leak detection. 11/30/05 - Obligado - spoke to D. Greffinius. He said he will send the reports related to this site. Geoprobe borings were conducted in september, resulting in the spill number being called in. Delta plans to conduct more borings next week. David inquired about 510 w.21st street. INformed him that the spill was related to fuel oil release.11/30/05 - Obligado - received analytical results from soil borings performed by Protest on 9/30/05. Total of seven samples collected from 4 boring locations. Soil borings at N2 (8-10') show 3500 ppb benzene, 52300 ppb toluene, 26000 ppb ethylbenzene, 52300 ppb xylenes, 42000 ppb MTBE; at S6 (4-8') show 13000 ppb benzene, 170000 ppb toluene, 140000 ppb ethylbenzene, 840000 ppb xylenes, 12000 ppb MTBE; at SE1 (8-10') show 740 ppb benzene, 8500 ppb xylenes, 850 ppb MTBE; at NE4 (4-8') show 540 ppb benzene, 2200 ppb xylenes, 660 ppb MTBE. 12/1/05 - Obligado - Call D.Greffinius, left message. Call Tanya, left message.12/1/05 - Obligado - Received call from Tanya. Informed her that additional investigation is needed due to very high concentrations of soil contamination. Advise her not to proceed with any construction on the lower level before investigation is completed.12/1/05 - Obligado - Received call from Tanya. Said she plans to install vapor barrier under slab. 12/2/05 - Obligado - Called D. Greffinius, left message.12/8/05 - Obligado - PHone conversation with D. Greffinius. Soil and ground water investigation conducted on 12/6/05. 5 borings, product encountered in 3 of the gw samplin locations. Delta plans to put in a vent well beneath the foundation that will attach to a blower in the boiler room. Also plans to put a well in the sidewalk for monitoring and possible future VAC events to recover product. Approve of tentative plans. Delta will submit a report with findings.12/12/05 - Obligado - phone call from Adam Sax, contractor wanting information about vapor barriers. Said will get back to him.12/14/05 - Obligado - called back Adam Sax, left message with some vapor barrier brands, and that the DEC would like to see a vapor barrier with at least 20 ml thickness. 12/19/05 - Obligado - voice mail from Greffinius (12/15). Describes site meeting between Delta and Earthtek regarding venting system. Will install piezometers to measure vacuum influence. Gave contact names and a phone number for Time Warner Facility: Frank Soto, Barry Rosenblume, and Tom Lonst (212) 379-2852 12/28/05 - Obligado - site meeting with D. Greffinius. Installed two temporary wells to remove product from beneath the buiding foundation. Approximately 20 gallons of product have been removed. Installed a vent well which will be attached to a blower in the boiler room to vent soil vapor. The boiler room was flooded with water (~18 inches) due to a malfunction with sump system. Plumbers came to site to pump out water. Once all water is pumped out, Delta will return to site next day to connect the vent well to a blower in the boiler room. DEC require two 4" wells to be installed in sidewalk which will be used for EFR to remove additional product. 12/29/05 - Obligado - faxed sidewalk permit letter to Delta. Completed vent well installation and piping to boiler room. Received phone call from Delta. He will fax results of Delta's investigation. 1/3/05 - Obligado - received phone call from Tanya. Told her I was working with Delta to determine if anything else needs to be done beneath foundation. When area is ready for construction will send a letter. Received soil and ground water analyticals from Delta

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHELSEA OPERATING, INC. (Continued)**

**S107415918**

investigation:GW results in ppb:MW sidewalk- benzene 1540, ethylbenzene 453, toluene 80.6, xylene 590, MTBE 3530sb5 - benzene 11.2, ethylbenzene 65.2, toluene 5.6, xylene 180, MTBE 39.5sb1 - benzene 992, toluene 43.6, ethylbenzene 410, xylene 225, MTBE 2440Soil results in ppb:SB5 (7.5-8) - no exceedencesSB5 (2.4-4) - no exceedencesSB4 (7.5) - benzene 78, MTBE 384, xylene 4960sb4 (3.5) - no exceedencesSB3 (1.5-2) - benzene 339sb2 (7.5) - benzene 3870, ethylbenzene 8750, toluene 1040, xylene 13500sb2 (3.5) - benzene 119, xylene 1360, MTBE 287sb1 (7.5) - benzene 95.5, MTBE 1790, xylene 1350SB1 (3.5) - MTBE 1080Received phone call from Tanya, requested Soil Analyticals so she could give to vapor barrier company to develop appropriate vapor barrier. Faxed her soil analyticals. 1/5/05 - Obligado - Conference call with D. Greffinius and Gordon Hinshalwood at Delta. Decide to go ahead with plan to install VEFR/Monitoring wells in sidewalk to pull product from under building. Will give Tanya go ahead to install vapor barrier and floor. Emailed approval letter to Tanya and Dave, will send hard copy in mail to Tanya and Guy.1/6/05 - Obligado - Call from Ben Mollina, will be doing construction work at site. Wanted to know if building is ready for construction. Said ok to go ahead. 2/16/06 - Obligado - PHone call from D. Greffinius, said vapor barrier installation begins today, he will be there to oversee and take photos.3/28/06 - Obligado - Spoke with D.Greffinius. He has been visiting site to oversee vapor barrier installation. He has sampled new wells in sidewalk. He will send a RAP by the end of this week.3/5/06 - Obligado - Spoke with D. Greffinius, he will fax diagram for sub slab system. Also said he will send RAP. Inquired about Vac Truck vs EFR trailer for recovery events. Also about permitting requirements. Told him I would get back to him.3/6/06 - Obligado - Called D. Greffinius to inquire about RAP, left message. 4/26/06 - Obligado - Spoke with D. Greffinius. He will turn on sub-slab ventilation system.5/4/06 - Obligado - Sent STIP agreement to Guy Roberts, ccd D. Greffinius. Due date 5/25/06.5/23/06 - Obligado - spoke to attorney for Guy Roberts. Wanted to alter Stip agreement to reflect the fact that some work has already been done at the site. Talked to John Urda, he said that we don't modify the STIP but we can alter the CAP. 5/24/06 - Obligado - Sent a revised CAP to Robert Walters via email. Dave Greffinius cell: 914-522-6344Guy Roberts cell: 646-217-24415/25/06 - Obligado - Stip implemented by Oliva.7/10/06 - Call Dave Greffinius - left message7/27/06 - Obligado - spoke to DAVE greffinius. He said they planned to to EFR pilot next week. 8/3/06 - Obligado - Review Remedial Action Plan, Submitted by Delta Environmental, dated July6,2006. IN 1997, six 550 gallon gasoline USTs were removed. The site has been redeveloped as a Gallery. Prior to redevelopment a subslab ventilation system and vapor barrier were installed. Site underlain by brown silt and clayey silt with very fine sand and small gravel. GW approximately 6 to 8 ft. GW probably flows to SW. Soil analytical results from 12/9/06 show petroleum impacted soil The hotspots are SB2 (155,900 ppb total VOCs) and SB4 (39,590 ppb Total VOCs). GW hot spot at SB1 5197 ppb VOCs and existing sidewalk well with 6698 ppb Total VOCs. Delta installed 2 additional sidewalk wells in January 31, 2006. MW1 had 358 BTEX and 3110 MTBE and MW2 had 836 BTEX and 2170 MTBE. The existing sidewalk well had 3339 BTEX and 7820 MTBE. 4 Remedial alternatives have been proposed. MNA, MPE, periodic VEFR, and SVE. Ongoing and Proposed Remedial Activities - A subslab Soil system has been installed with 1 4" diameter SVE well attached to a Blower. The SVE system will operate continuously for 3 to 5 years to prevent vapor

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHELSEA OPERATING, INC. (Continued)**

**S107415918**

migration into the building. VOC readings measured at the sampling port will be collected on a quarterly basis and compared to Benzene Emission Limits. A Pilot VEFR event will be performed to try to removed LNAPL. If affective periodic VEFR events will be performed. 3 existing wells on north side of sidewalk and one existing well on south side of sidewalk (MW3) will be monitored on a quarterly basis. Call D. Greffinius to discuss plan. Left message to call DEC.8/31/06 - Obligado - Call D. Greffinius to discuss the RAP and the pilot test. He said they recovered approximately 5 gallons of product during the pilot test. He will submit a pilot test summary letter shortly.9/12/06 - Obligado - Email from Greffinius. He will send a Pilot Test Summary Leter report10/13/06 - Obligado - Emailed Greffinius inquiring as to status of Pilot Test Summary Letter.12/8/06 - Obligado - Sent email to Greffinius requiring VEFR summary report submitted as a RAP Addendum by December 29, 2006.1/25/07 - Obligado - Reviewed RAP Addendum. VEFR event removed 390 gallons of impacted water and 56.5 pounds of LNAPL and combustible gas. Approximately 5 gallons of product were removed. Monitoring subsequent to the event found 0.9 ft of product in the sidewalk well suggesting VEFR successful in moving product from under building. Sent letter approving RAP for VEFR and requiring product fingerprint to compare product in sidewalk well to previously found product, additional 3 monitoring wells, and schedule for future VEFR events.7/9/07 - Obligado - Sent letter to Mr. Roberts requiring overdue well installations and VEFR schedule. Called Dave Greffinius to discuss.9/27/07 - Obligado - Email from D.Greffinius : "The six MWs at 521 W. 21st Street are being sampled today, from around 10:30 a.m. to 2:30 p.m. The attached diagram shows the 6 wells; we will also be taking a few measurements to make any minor corrections to the site plan. I'll let you know if we have measurable LNAPL today."8/25/08 - Obligado - Email from Greffinius. They need to relocate MW6 due to utility work in the sidewalk. I sent a letter approving a relocation of MW6.9/3/08 - Obligado - Cover letter for 1Q08 and 2Q08 monitoring reports. Delta is monitoring vapors from SVE ssystem. Concentrations decreasing in effluent. Review 2/19/08 monitoring report. 6 monitoring wells were sampled on January 18, 2008. GW is at 6.65 to 7.89 ft. Impacts found at MW2 - 9,380 ug/l BTEX. Proposes continued monitoring. Reeview May 16, 2008 monitoring rpeort. LNAPL not detected High BTEX in MW2, 6200 ug/l. Proposes continued monitoring.7/3/09 - Obligado - Sent email to Dave requiring submission of overdue monitoring reports. 8/18/09 - Obligado - Quarterly reports submitted.1/12/09 - Obligado - Review of quarterly reports. The most recent report for 3Q09 shows BTEX concentration of 2996 for MW2. No LNAPL present. Monitoring wells MW1-MW6 were gauged and sampled. A request for decreasing monitoring to Semi-Annual was also submitted based on fluctuating but generally decreasing concentration trends and the lack of free product since July 2007 in monitoring well MW-Sidewalk. I sent a letter to Guy Roberts cc to Delta rejecting the request and requiring 1) continued quarterly monitoring, 2) addition of MWSidewalk to monitoring network 3) monitoring well survey and contour maps 4) hydrographs 5) documentation of SSDS operation. Required submission of next monitoring report within 90 days

Remarks: FOUND CONTAMINATED SOIL AT THIS LOCATION:  
Material:  
Site ID: 353823  
Operable Unit ID: 1111273

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CHELSEA OPERATING, INC. (Continued)**

**S107415918**

Operable Unit: 01  
Material ID: 2101312  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AQ266**  
**SSW**  
**1/4-1/2**  
**0.305 mi.**  
**1612 ft.**

**GOLDBERG**  
**511 WEST 21ST STREET**  
**MANHATTAN, NY 10011**  
**Site 4 of 10 in cluster AQ**

**NY Spills S102142038**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 8907798  
DER Facility ID: 182721  
Facility Type: ER  
Site ID: 220917  
DEC Region: 2  
Spill Date: 11/6/1989  
Spill Number/Closed Date: 8907798 / 2/27/2003  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**10 ft.**

**SWIS:** 3101  
Investigator: TOMASELLO  
Referred To: Not reported  
Reported to Dept: 11/6/1989  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/13/1989  
Spill Record Last Update: 12/27/2012  
Spiller Name: Not reported  
Spiller Company: GOLDBERG  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: MR. CROWLEY OWNS SIX UNDERGROUND STORAGE TANKS. OIL COMING UP OUT OF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLDBERG (Continued)**

**S102142038**

GROUND AND GROUNDWATER.

Material:

Site ID: 220917  
Operable Unit ID: 935408  
Operable Unit: 01  
Material ID: 444578  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AS267**  
**NNE**  
**1/4-1/2**  
**0.305 mi.**  
**1612 ft.**

**545 WEST 34TH ST**  
**MANHATTAN, NY**

**Site 7 of 13 in cluster AS**

**NY Spills S105234838**  
**N/A**

**Relative:**  
**Higher**

SPILLS:

Facility ID: 0107765  
DER Facility ID: 111006  
Facility Type: ER  
Site ID: 128689  
DEC Region: 2  
Spill Date: 10/30/2001  
Spill Number/Closed Date: 0107765 / 10/30/2001  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**32 ft.**

SWIS: 3101  
Investigator: TGHALL  
Referred To: Not reported  
Reported to Dept: 10/30/2001  
CID: 205  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/30/2001  
Spill Record Last Update: 10/31/2001  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller Company: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S105234838

Contact Name: CALLER  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "HALL" Same as 0107768.  
Remarks: caller has no info on the spill. he received it from nyc fire.  
DUPLICATE REPORT. REFER TO SPILL # 0107768 FOR FOLLOWUP-CLOSED.

Material:

Site ID: 128689  
Operable Unit ID: 845793  
Operable Unit: 01  
Material ID: 529027  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 128689  
Operable Unit ID: 845793  
Operable Unit: 01  
Material ID: 529026  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

268  
North  
1/4-1/2  
0.305 mi.  
1612 ft.

ROY WEIDENER MOTOR LINE  
651 W 33ST, MARSHALLING YD  
MANHATTAN, NY

NY LTANKS S106703392  
N/A

Relative:  
Higher

LTANKS:

Actual:  
16 ft.

Site ID: 316029  
Spill Number/Closed Date: 8907931 / 11/9/1989  
Spill Date: 11/8/1989  
Spill Cause: Tank Failure  
Spill Source: Commercial Vehicle  
Spill Class: Not reported  
Cleanup Ceased: 11/9/1989  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 11/8/1989  
CID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ROY WEIDENER MOTOR LINE (Continued)**

**S106703392**

Water Affected: Not reported  
Spill Notifier: Responsible Party  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 11/13/1989  
Spill Record Last Update: 12/13/2002  
Spiller Name: Not reported  
Spiller Company: ROY WEIDENER MOTOR LINE  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 254777  
DEC Memo: Not reported  
Remarks: 20-30 YARDS OF CONTAMINATED SOIL.

Material:

Site ID: 316029  
Operable Unit ID: 932860  
Operable Unit: 01  
Material ID: 570744  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 90  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AK269**  
**SSW**  
**1/4-1/2**  
**0.305 mi.**  
**1613 ft.**

**535 EAST 21ST STREET**  
**535 EAST 21ST STREET**  
**NEW YORK CITY, NY**  
**Site 3 of 3 in cluster AK**

**NY LTANKS** **S104275516**  
**N/A**

**Relative:**  
**Lower**

LTANKS:

Site ID: 81225  
Spill Number/Closed Date: 8803752 / 2/25/1993  
Spill Date: 7/29/1988  
Spill Cause: Tank Test Failure  
Spill Source: Private Dwelling  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: 2/25/1993  
Cleanup Meets Standard: False  
SWIS: 2401  
Investigator: BATTISTA

**Actual:**  
**9 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**535 EAST 21ST STREET (Continued)**

**S104275516**

Referred To: Not reported  
Reported to Dept: 7/29/1988  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Tank Tester  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 8/2/1988  
Spill Record Last Update: 7/20/1998  
Spiller Name: Not reported  
Spiller Company: HARRY SILVERSTEIN  
Spiller Address: 429 MAYFAIR DRIVE  
Spiller City,St,Zip: PO BOX 360-007 BKLYN, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 75165  
DEC Memo: Not reported  
Remarks: 4K TANK FAILED AN INITIAL SYSTEM- PETRO TITE TEST WITH A GROSS LEAK,  
WILL EXCAVATE, ISOLATE AND RETEST.

Material:

Site ID: 81225  
Operable Unit ID: 918900  
Operable Unit: 01  
Material ID: 459286  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 81225  
Spill Tank Test: 1534375  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>AQ270</b>	507 W 21ST ST		<b>NY Spills</b>
<b>SSW</b>	507 W 21ST ST		<b>S104502468</b>
<b>1/4-1/2</b>	MANHATTAN, NY		<b>N/A</b>
<b>0.305 mi.</b>			
<b>1613 ft.</b>	<b>Site 5 of 10 in cluster AQ</b>		

**Relative:** SPILLS:

**Lower** Facility ID: 9610012  
 DER Facility ID: 129554  
 Facility Type: ER  
**Actual:** Site ID: 152636  
**10 ft.** DEC Region: 2  
 Spill Date: 11/11/1996  
 Spill Number/Closed Date: 9610012 / 12/17/1997  
 Spill Cause: Unknown  
 Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
 Investigator: mctibbe  
 Referred To: Not reported  
 Reported to Dept: 11/11/1996  
 CID: 322  
 Water Affected: Not reported  
 Spill Source: Commercial/Industrial  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 11/11/1996  
 Spill Record Last Update: 12/27/2012  
 Spiller Name: AURTHUR SHAPOLSKY  
 Spiller Company: SHAPOLSKY  
 Spiller Address: 507 W 21ST ST  
 Spiller City,St,Zip: MANHATTAN, ZZ  
 Spiller Company: 001  
 Contact Name: AURTHUR SHAPOLSKY  
 Contact Phone: (212) 581-6500  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"SEE FILE. SEE ALSO 91-12111 & 95-10154.

Remarks: during tank pull contaminated soil found

Material:

Tank Test:

<b>AQ271</b>	NEW YORK STATE DEC		<b>RCRA NonGen / NLR</b>
<b>SSW</b>	507 W 21ST ST		<b>1007205199</b>
<b>1/4-1/2</b>	NEW YORK, NY 10201		<b>NY LTANKS</b>
<b>0.305 mi.</b>			<b>NY Spills</b>
<b>1613 ft.</b>	<b>Site 6 of 10 in cluster AQ</b>		<b>NYP000920066</b>

**Relative:** RCRA NonGen / NLR:

**Lower** Date form received by agency:01/03/1996  
 Facility name: NEW YORK STATE DEC  
**Actual:** Facility address: 507 W 21ST ST  
**10 ft.** NEW YORK, NY 102010000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEW YORK STATE DEC (Continued)**

**1007205199**

EPA ID: NYP000920066  
Mailing address: 50 WOLF RD  
ALBANY, NY 122330000  
Contact: SECTION REPORTING  
Contact address: 50 WOLF RD  
ALBANY, NY 122330000  
Contact country: US  
Contact telephone: (999) 999-9999  
Telephone ext.: 9999  
Contact email: Not reported  
EPA Region: 02  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/02/1996  
Facility name: NEW YORK STATE DEC  
Classification: Not a generator, verified

Date form received by agency: 01/01/1996  
Facility name: NEW YORK STATE DEC  
Classification: Large Quantity Generator

Violation Status: No violations found

LTANKS:

Site ID: 312315  
Spill Number/Closed Date: 9510154 / 12/17/1997  
Spill Date: 6/8/1993  
Spill Cause: Tank Failure  
Spill Source: Gasoline Station  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Unable/unwilling Responsible Party. Corrective action taken. (ISR)  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 11/14/1995  
CID: 266

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEW YORK STATE DEC (Continued)**

**1007205199**

Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 11/14/1995  
Spill Record Last Update: 12/17/1997  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller County: 999  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 251830  
DEC Memo:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"SEE FILE. SEE ALSO 91-12111 & 96-10012.

Remarks: SITE OWNER HENRY & LLOYD COMPANY. ATTORNEY OF THE OWNER NOTIFIED NEW YORK CITY LAW DEPARTMENT ABOUT LEAKAGE FROM 14X550 GALLON TANKS AT SITE. (SEE COPY OF HIS LETTER)

**Material:**

Site ID: 312315  
Operable Unit ID: 1024627  
Operable Unit: 01  
Material ID: 361077  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False  
Site ID: 312315  
Operable Unit ID: 1024627  
Operable Unit: 01  
Material ID: 361078  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NEW YORK STATE DEC (Continued)

1007205199

SPILLS:

Facility ID: 9416028  
DER Facility ID: 432415  
Facility Type: ER  
Site ID: 312314  
DEC Region: 2  
Spill Date: 3/11/1995  
Spill Number/Closed Date: 9416028 / 1/2/1996  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS:

3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 3/11/1995  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/13/1995  
Spill Record Last Update: 12/26/2012  
Spiller Name: Not reported  
Spiller Company: RED BALL DEMO DUMPSTER  
Spiller Address: UNKNOWN CONSTRUCTION CO.  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"

Remarks: DEMOLITION DUMPSTER, 20 GALLONS IN MANHOLE COVER, CON EDISON TOOK SAMPLES. REQ CONTACT BY NYSDEC.

Material:

Site ID: 312314  
Operable Unit ID: 1009479  
Operable Unit: 01  
Material ID: 371195  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 60  
Units: Gallons  
Recovered: 60  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AP272  
ENE  
1/4-1/2  
0.306 mi.  
1617 ft.

PLANNED PARENTHOOD  
434 WEST 33RD ST  
MANHATTAN, NY  
Site 4 of 4 in cluster AP

NY Spills S109372091  
N/A

Relative:  
Higher

Actual:  
44 ft.

SPILLS:

Facility ID: 0807448  
DER Facility ID: 354064  
Facility Type: ER  
Site ID: 404797  
DEC Region: 2  
Spill Date: 10/2/2008  
Spill Number/Closed Date: 0807448 / 10/2/2008  
Spill Cause: Deliberate  
Spill Class: No spill occurred. No DEC Response. No corrective action required.  
SWIS: 3101  
Investigator: rvketani  
Referred To: Not reported  
Reported to Dept: 10/2/2008  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Police Department  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/2/2008  
Spill Record Last Update: 10/2/2008  
Spiller Name: PHILLIP SKUZA  
Spiller Company: UNKNOWN  
Spiller Address: 434 WEST 33RD ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: PHILLIP SKUZA  
Contact Phone: (646) 610-5580  
DEC Memo: 10/02/08 - Raphael Ketani. I spoke to Officer Thomas at (646) 610-5580. She said that 10 people were in Planned Parenthood when one worker opened a letter with a post mark from San Diego. The letter contained a very small amount of a white powder. The office was closed. The worker who opened the envelope was sent to Bellvue Hospital for testing. All of the powder was contained and there is no further action by NYPD or the NYFD. Based upon the containing of the white powder, I am closing the spill case.

Remarks: WHITE POWDER WAS FOUND IN AN ENVELOPE. FDNY AND NYPD HAZMAT ON SCENE.

Material:

Site ID: 404797  
Operable Unit ID: 1161442  
Operable Unit: 01  
Material ID: 2152639  
Material Code: 0063A  
Material Name: UNKNOWN HAZARDOUS MATERIAL  
Case No.: Not reported  
Material FA: Hazardous Material  
Quantity: 0  
Units: Pounds

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**PLANNED PARENTHOOD (Continued)**

**S109372091**

Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AN273**  
**SSE**  
**1/4-1/2**  
**0.306 mi.**  
**1617 ft.**

**216 9TH AVE/MANH/NYCTA**  
**216 9TH AVENUE**  
**MANHATTAN, NY**  
**Site 8 of 8 in cluster AN**

**NY Spills S102141708**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 9007496  
 DER Facility ID: 123210  
 Facility Type: ER  
 Site ID: 144570  
 DEC Region: 2  
 Spill Date: 10/9/1990  
 Spill Number/Closed Date: 9007496 / 1/10/2005  
 Spill Cause: Unknown  
 Spill Class: Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)

**Actual:**  
**18 ft.**

**SWIS:**

Investigator: MCTIBBE  
 Referred To: Not reported  
 Reported to Dept: 10/9/1990  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 10/10/1990  
 Spill Record Last Update: 1/10/2005  
 Spiller Name: Not reported  
 Spiller Company: NYCTA  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"11/15/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/15/94. TRANSFERED FROM HALE TO TIBBE ON 12/28/00. CONTAMINATED SOIL AND ABANDONED DRUMS DISCOVERED DURING EXCAVATION. TANKS WERE SUPPOSED TO BE REMOVED. NYCT TO INVESTIGATE.01-10-05: Originally reported as 216 9th Avenue. Actually concerns Kingsbridge Depot. Reported as abandoned tanks and contaminated soil discovered during excavation in maintenance area of depot. The tanks turned out to be a waste oil tank and a drainage settling basin. Currently, NYCT is installing a system to recover gasoline and diesel from that same maintenance area

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**216 9TH AVE/MANH/NYCTA (Continued)**

**S102141708**

Remarks: under spill #'s 9510775 & 9812375. Any contamination that may exist due to this spill will be remediated along with the other contamination.  
CONTAMINATED SOIL & ABANDONED TANKS DISCOVERED DURING EXCAVATION, ABLE ENVIRONMENTAL TO PUMP TANKS & REMOVE.

Material:  
Site ID: 144570  
Operable Unit ID: 944828  
Operable Unit: 01  
Material ID: 431349  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AQ274  
SSW  
1/4-1/2  
0.307 mi.  
1621 ft.**

**SERVICE BOX 3769  
508 WEST 21ST ST  
MANHATTAN, NY  
Site 7 of 10 in cluster AQ**

**NY Spills S104506445  
N/A**

**Relative:  
Lower**

SPILLS:  
Facility ID: 9812312  
DER Facility ID: 60648  
Facility Type: ER  
Site ID: 62571  
DEC Region: 2  
Spill Date: 1/5/1999  
Spill Number/Closed Date: 9812312 / 1/8/2004  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: CAENGELH  
Referred To: Not reported  
Reported to Dept: 1/5/1999  
CID: 312  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 1/5/1999  
Spill Record Last Update: 2/6/2004  
Spiller Name: Not reported

**Actual:  
10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SERVICE BOX 3769 (Continued)**

**S104506445**

Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"e2mis no. 122242:APPROX 1 GALLON OF POSSIBLE ANTIFREEZE MIXED WITH 25 GALLONS OF WATER IN SB3769. NO SEWER CONNECTIONS OR SUMP PUMP IN THE HOLE.LAB SEQUENCE # 99-00207PCB <1 PPM1/12/99 clean up complete in SB # 3769. Used flush truck to clean & rinse structure.  
Remarks: Not reported  
1 GAL OF UNK OIL (POSS ANTI-FREEZE) ON TOP OF 25 GAL OF WATER - CONTAINED IN THE BOX - CASE #122242

Material:  
Site ID: 62571  
Operable Unit ID: 1072910  
Operable Unit: 01  
Material ID: 312589  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AQ275  
SSW  
1/4-1/2  
0.307 mi.  
1621 ft.

W 20 ST AND 10TH AVE  
WEST 20TH ST & 10TH AVE  
MANHATTAN, NY  
Site 8 of 10 in cluster AQ

NY Spills S104652993  
N/A

Relative:  
Lower  
Actual:  
10 ft.

SPILLS:  
Facility ID: 0030004  
DER Facility ID: 215437  
Facility Type: ER  
Site ID: 264326  
DEC Region: 2  
Spill Date: 5/22/2000  
Spill Number/Closed Date: 0030004 / Not Closed  
Spill Cause: Other  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: vszhune  
Referred To: Not reported  
Reported to Dept: 5/22/2000  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Citizen

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**W 20 ST AND 10TH AVE (Continued)**

**S104652993**

Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	5/22/2000
Spill Record Last Update:	4/1/2009
Spiller Name:	Not reported
Spiller Company:	GAS STATION
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"6/8/07-Matthew Klaas (Albany DER)-Tried contacting Charles Rosenblum at 212-924-9086, the number is no longer in service.-There are no other contacts listed, and I was unable to locate a new number for the listed company.6/13/07-Matthew Klaas (Albany DER)-Wrote a letter to Charles Rosenblum at 452 West 20th Street Apt. 1 New York, NY 10011-2942 requesting information regarding this spill.4/1/09 - Austin - Transferred from Needs Reassignment to Zhune for further work to remediate and close - end
Remarks:	CONSTRUCTION GOING ON AT OLD GAS STATION SITE - NEW BUILDING BEING CONSTRUCTED. ODOR OF GASOLINE - IN STREET AND IN BASEMENT ROOMS. AT 452 W 20TH. NEIGHBORS HAVE SAME PROBLEM.

Material:

Site ID:	264326
Operable Unit ID:	835549
Operable Unit:	01
Material ID:	540893
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

**AQ276 STORAGE USA**  
**SSW 510 WEST 21ST ST**  
**1/4-1/2 NYC, NY**  
**0.308 mi.**  
**1624 ft. Site 9 of 10 in cluster AQ**

**NY Spills S104953243**  
**N/A**

<b>Relative:</b>	<b>SPILLS:</b>	
<b>Lower</b>	Facility ID:	0012876
	DER Facility ID:	233941
<b>Actual:</b>	Facility Type:	ER
<b>10 ft.</b>	Site ID:	288814
	DEC Region:	2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STORAGE USA (Continued)**

**S104953243**

Spill Date: 3/7/2001  
Spill Number/Closed Date: 0012876 / 6/25/2012  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: aaobliga  
Referred To: Not reported  
Reported to Dept: 3/7/2001  
CID: 270  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/7/2001  
Spill Record Last Update: 12/26/2012  
Spiller Name: CARLOS  
Spiller Company: STORAGE USA  
Spiller Address: 510 WEST 21ST ST  
Spiller City,St,Zip: NYC, NY  
Spiller Company: 001  
Contact Name: CARLOS  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEMO"3/9/01 TJDSpill caused by leaking suction & return lines. Two basement sumps have accumulated #2 Fuel oil resulting from release. Lines have been replaced. AL Eastmond has been retained to test tank (2000 gallon), pump out pits daily and investigate extent of sub-surface contamination. Manager in charge of project for storage USA is Carlos Gonzalez (212) 924-5111.NYCDEP notified, issued violations for discharge to city sewers (Storage USA was pumping product from pits into sewer) this discharge has been abated.Adjacent properties were canvassed to determine potential impacts, no problems found other than odor complaints @ 525 W 20th Street, odors have started to disipate since discharge to sewer was abated. Actual date of discovery was approximately one week prior to notification.3/15/01 TJDSite visit to determine compliance with verbal directives given on 3/9/01. Storage USA has not been vacuuming sumps as directed. Only two vacuum events 3/8 & 3/9 performed by AL Eastmond. Do Work letter sent to RP today. ECO Smith visited sited today and has issued multiple summons to manager. A third impacted sump discovered in bottom of freight elevator shaft - pump in sump.Manager has been directed to disconnect and remove pump from service.04/28/2005: DEC Lead changed from TJ DeMeo to J.M. Krimgold.10/31/05 - OBLIGADO - file transferred from Krimgold to Obligado11/7/05 - Obligado - Review Remedial Action Work Plan. Background - Site contminated with #2 fuel oil as a result of a leak in a boiler supply line connected to a former 2000 gallon onsite underground storage tank. 10 Wells instlaed at the site. NAPL present on ground water. VEFRF conducted in 2003, 15 gallons of NAPL removed. NYAPL recovery siystem in RW3, manual baling in RW2 and RW1. AS of June 2004, 4000 gallons of total fluids removed includieng 128 gallons of NAPL. DTW is 5 to 7 ft bgs.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STORAGE USA (Continued)**

**S104953243**

GW flow to SW. Ground water impacts due to No 2 fuel oil in mw0, mw5, and mw6. Proposal - Baseline assessment - Collect 6 to 8 soil samples for STARS VOCs and SVOCS, TPH, TOC, COD. Soil borings will be converted into monitoring wells and 6 ground water samples for STARS, TPH, natural attenuation parameters, electron acceptors will be collected. Proposes 2 PermeOx (Calcium Peroxide) injections over a 12 month period to enhance biodegradation. Baseline, Post Injection, and quarterly monitoring proposed. 11/15/05 - Obligado - called Glenn Netuschil, at Roux to discuss RAP. Left message. 11/16/05 - Obligado - speak with Glenn (631)232-2600, approve RAP. Roux will proceed with baseline soil and ground water sampling, then ORC injection. Can expect report in 1-2 months. Sent RAP approval letter to: Gary Dorin Edison Properties 100 Washington Street Newark, NJ 07102 Fax copy to Roux at 631-232-9898 11/29/05 - Spoke with Glen, baseline investigation taking place this week, 11/28-12/2/05. 2/1/06 - Obligado - call Glenn, during geoprobe for baseline assessment, noticed product stained soils (fuel oil) in one geoprobe point. So they installed a well and found 1 foot of product. They have been recovering product at and are seeing product levels decrease. Once product levels decrease to an acceptable level they will proceed with approved RAP. 3/28/06 - Obligado - called Glenn, product thicknesses are decreasing, max thickness is a few inches in one well. 6/26/06 - Obligado - Still 0.2 feet of product. Put spill buster in well with product to increase recovery. 1/3/07 - Obligado - Spoke to Glenn he said they are still removing product with a spill buster. They used a vac truck to remove the recovered product. The 55 gallon drum was about 3/4 full (~40 gallons of product removed) from tank. While the Vac truck was there they performed EFR on the wells with product. He will send me the baseline investigation results. 2/22/07 - Obligado - After discussion with Kumar about #2 fuel oil found at an adjacent site (sp0609814) sent letter to Edison Properties requiring the installation of an additional well to the east of the free product plume. Also required quarterly monitoring program implementation as per the RAP. 7/10/07 - Obligado - Called Glen to inquire about status of well installation. 10/26/07 - Obligado - Called Glen to inquire about site status. Left message to call back the DEC. 10/31/07 - Obligado - Called Glen again, left message to call DEC. Emailed Glenn as well. 12/3/07 - Obligado - During November I spoke with Glen about this site. I told him I have received no documentation about the well installation or any site activities since Feb. He said a report has been prepared and it is under review and I should receive it shortly. 12/14/07 - Obligado - Reviewed Summary Report, submitted by Roux Associates, dated December 5, 2007. The report documents the remedial efforts at the site since the baseline assessment in 2005. Roux has been recovering product from the injection points and RW3 using bailers and absorbent socks. The Magnum Spill buster system was then moved to RW3 and IP2. A VEFR event occurred in IP2 and RW3 in September 2006, in which 200 gallons of fluids were removed. An additional well was installed MW10 by hand in storage area to delineate the product to the southwest. 0.01 ft was encountered during April 2007, No product has been found in gauging events since then. Product levels have been decreasing in most wells. The most recent gauging data from 6/28/07 show a max product thickness of 0.25 ft in IP2. They will continue monthly product monitoring and continuous recovery via Magnum Spill buster. Ground water monitoring shows constituents characteristic of a diesel release, low levels of VOCs with the greatest constituent is Naphthalene, max naphthalene is 270

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STORAGE USA (Continued)**

**S104953243**

ppb in MW10. The report recommends conducting sampling event in December and continue product gauging and monitoring. They will Once product levels decrease to below 0.02 ft they will implement the PermeOx injection. 3/3/08 - Obligado - Spoke to Glenn Netuschil. He said coned was doing work in the sidewalk in the vicinity 531 w 21st street and one of the monitoring wells is in the way of the work and he asked what site the well was associated with. I told him it was 521 W. 21st street site and gave him the contact information for Delta. 9/25/08 - Obligado - Have not received any documentation for this site. Called Glenn Netuschil. He said they haven't sampled since December 07. Required monthly monitoring, quarterly sampling, and quarterly reporting. Well should be sampled in October. A quarterly report should be submitted in November. 11/25/08 - Obligado - Glen requested extension until 12/14/08 to submit report. I approved extension. 6/24/09 - Obligado - Reviewed quarterly report, submitted December 2008. Documents product removal activities. Product thickness decreased to less than 2 inches. Roux recommends going forward with PermeOx injections. I called Glenn Netuschil. They went ahead with the injections in February 2009. They will submit will submit a quarterly report by July 31, 2009. 10/16/09 - Obligado - Reviewed Spill closure request. Roux requested spill closure after one round of sampling. I rejected the spill closure petition and required 1) quarterly sampling for minimum of 1 year 2) monthly gauging and product recovery if present 3) confirmatory soil sampling prior to spill closure. Required quarterly report to be submitted within 90 days of receipt or will be referred to legal. 12/14/09 - Obligado - Spoke with Glen Netuschil. They question requirements. Glenn asked if they could do quarterly gauging. I said monthly gauging is required due to the history of free product. He also questioned need for soil sampling. I told him soil sampling is required for spill closure. Contaminated soil can act as a continuing source for ground water contamination. I told him the report must be submitted by 90 day deadline. 3/4 - Obligado - I reviewed the 4th quarter 2009 report, dated 1/29/10. The report provides analytical results from monitoring wells sampled in December 2009. The report does not contain any gauging data. I sent an email to Charlie McGuckin requiring the next report due 4/30/10 contain monthly gauging data from all monitoring wells and including the injection wells. 10/11/11 - Obligado - I reviewed an Update Report which documented the 4th quarterly monitoring event after the injections. The report requested closure based on lack of free product and low dissolved. I rejected closure. Based on the approved RAWP, verification sampling would be performed after the final quarterly monitoring event. I emailed a letter to Gary Dorin and Glenn Netuschil required verification soil sampling to confirm remediation. I required a soil sampling work plan within 30 days. 1/4/12 - Obligado - I met with Michael Bogin, Glen Netuschil, Lou Oliva. We discussed the soil sampling requirement. The location where I requested the soil sampling presented difficulties, due to a 3 foot crawl space (confined space) and associated health and safety concerns. I agreed in lieu of soil sampling they should do an additional round of ground water sampling and gauging to confirm there is no additional free product at the site. 5/8/12 - Obligado - DER Section C Staff met to discuss a closure request for the storage facility at 510 West 21st Street, Manhattan, NY Spill No. 0012876. After internal discussion, the request for spill closure was not approved based on the following: 1) The spill closure report should be revised to address

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**STORAGE USA (Continued)**

**S104953243**

Remarks: soil contamination in accordance with CP-51. 6/25/12 - Obligado - On 6/7/12, DER Section C Staff met to discuss a closure request for 510 W. 21st Street, Manhattan, Spill No.0012876. After internal discussion, the request for spill closure approved based on the following: 1) The source of the spill, a 2000 gallon #2 fuel oil tank was removed2) A product recovery system was installed and recovered 128 gallons of NAPL3) Once product was removed, PermeOx was injected to treat residual ground water contamination4) Ground water is below standards in all wells except one well MW5 with 14 ug/L MTBE and 9.0 ug/L n-propylbenzene. 5) Based on baseline soil sampling from 2007, soil contamination may be present above CP-51 Unrestricted Soil Cleanup Levels but is below the CP51 Residential Soil Clean-up levels. 6) Excavation of residual soil contamination to meet Unrestricted Soil Clean-up Levels is not feasible due to location in a basement with a 4.5 foot crawlspace. This spill is closed. oil discovered in sump hole broken oil lines discovered. eastman on the way for clean up

Material:  
 Site ID: 288814  
 Operable Unit ID: 834806  
 Operable Unit: 01  
 Material ID: 539600  
 Material Code: 0001A  
 Material Name: #2 Fuel Oil  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

277  
 ESE  
 1/4-1/2  
 0.308 mi.  
 1625 ft.

**W 28TH ST YARD  
 W 28TH ST YARD  
 NYC, NY**

**NY Spills S102663180  
 N/A**

**Relative:  
 Higher**

SPILLS:  
 Facility ID: 9703549  
 DER Facility ID: 234845  
 Facility Type: ER  
 Site ID: 290040  
 DEC Region: 2  
 Spill Date: 6/22/1997  
 Spill Number/Closed Date: 9703549 / 11/10/2003  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
 28 ft.**

SWIS: 3101  
 Investigator: CAENGELH  
 Referred To: Not reported  
 Reported to Dept: 6/22/1997  
 CID: 369

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**W 28TH ST YARD (Continued)**

**S102663180**

Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/22/1997  
Spill Record Last Update: 11/12/2003  
Spiller Name: TIM SOILCH  
Spiller Company: CON EDISON  
Spiller Address: 4 IRVING PLACE  
Spiller City,St,Zip: MANHATTAN, NY 10003  
Spiller Company: 001  
Contact Name: RICHARD ROACH  
Contact Phone: (212) 580-6764  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ENGELHARDT"E2MIS 10854206/22/97 1923 hrs eurain fermaint #11181 finder--- 06/22/97 1928 hrs eurian fermaint reportrd in w28th st work out location truck 60445 had a hydraulic spill of 15 gallons contained - no entry to waterways or sewer - no impact - no agency on site - in process of cleaning up - recorded by michael crowe #71453 ----- clean uppersons eurain fermaint #111812 and gouda #81284 on 06/22/97 about 1915 hrs. e.fermairnt #11181 & m.gouda found hydraulic fluid leaking from vehicle f60445 approximate 15 gal. spilled on the surface the two men contained the fluid so that none went into the drainage system e. fermairnt notified m.crowe of #9 of the leak at 1930 hrsi arrived at 2215 hrs.i supervised the clean up with e.fermairnt m.gouda & w. couver of transportation.we completed the clean up at 0300 hrs.06/23/97 using (6) 55 gla. drums oil absorbent, pigs,& dippers

Remarks: BEENCLEANED UP IN FULL

Material:  
Site ID: 290040  
Operable Unit ID: 1046340  
Operable Unit: 01  
Material ID: 336428  
Material Code: 0010  
Material Name: Hydraulic Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 15  
Units: Gallons  
Recovered: 15  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

AS278  
NNE  
1/4-1/2  
0.310 mi.  
1635 ft.

**NYNEX GARAGE**  
**555 W. 34TH ST**  
**NEW YORK, NY**  
**Site 8 of 13 in cluster AS**

**NY LTANKS** **S104073407**  
**N/A**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**28 ft.**

Site ID: 202578  
Spill Number/Closed Date: 9512079 / 12/26/1995  
Spill Date: 12/26/1995  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: JMKRIMGO  
Referred To: Not reported  
Reported to Dept: 12/26/1995  
CID: 257  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 12/26/1995  
Spill Record Last Update: 2/1/1996  
Spiller Name: ROBERT BALDEZ  
Spiller Company: NYNEX  
Spiller Address: 555 W. 34TH ST  
Spiller City,St,Zip: MANHATTEN, NY  
001  
Spiller Contact: ROBERT BALDEZ  
Spiller Phone: (212) 756-9450  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 168513  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was  
"KRIMGOLD"LEAKING VEHICLE - VEHICLE WAS TOWED AWAY FOR FIXING  
Remarks: LEAKING FUEL TANK SMALL LEAK ALL CLEANED UP

Material:

Site ID: 202578  
Operable Unit ID: 1026293  
Operable Unit: 01  
Material ID: 359397  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons  
Recovered: 2  
Resource Affected: Not reported  
Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NYNEX GARAGE (Continued)**

**S104073407**

Tank Test:

**AS279**  
**NNE**  
**1/4-1/2**  
**0.310 mi.**  
**1635 ft.**

**WEST 34TH STREET DEVELOPMENT PROJECT**  
**555 WEST 34TH STREET**  
**MANHATTAN, NY 10001**

**NY Spills**  
**NY BROWNFIELDS**

**S104495666**  
**N/A**

**Site 9 of 13 in cluster AS**

**Relative:**  
**Higher**

**Actual:**  
**28 ft.**

**SPILLS:**

Facility ID: 9314833  
DER Facility ID: 123197  
Facility Type: ER  
Site ID: 144556  
DEC Region: 2  
Spill Date: 3/18/1994  
Spill Number/Closed Date: 9314833 / 8/6/1996  
Spill Cause: Unknown  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:**

3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 3/18/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/21/1994  
Spill Record Last Update: 4/17/1997  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"10/10/95: This is additional information about material spilled from the translation of the old spill file: SOIL BORE HOLES.  
Remarks: WILL REPLACE TANKS & COUNTINGS SPILL & OVERFILLS (MARK TIBBE).

**Material:**

Site ID: 144556  
Operable Unit ID: 996767  
Operable Unit: 01  
Material ID: 386614  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST 34TH STREET DEVELOPMENT PROJECT (Continued)**

**S104495666**

Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**BROWNFIELDS:**

Program: BCP  
Site Code: 359020  
Site Description: Location: The Site is located at 555 West 34th Street, also known as 400 Eleventh Avenue, between 10th and 11th Avenues in Manhattan, New York City, New York County. Site Features: The property is identified as Block 706, Lot 1 in New York City's tax records and consists of a 37,800 square-foot (1.020 acre) rectangular-shaped vacant parcel. The surrounding urban area consists primarily of retail and commercial business. The Amtrak Railroad tunnel (and easement) runs through the northwest corner of the site. Current Zoning/uses: This site was designated as C6-3 on the NYC Zoning Map 8b which is a general central commercial district. This site is also an e-designation requiring NYCDEP approval. In January 2005, this site was rezoned as part of the City-led Hudson Yards District to allow for commercial and residential uses. The NYC MTA constructed a permanent entrance in the middle of this BCP site for the 34th Street Station of the No.7 Subway Extension. Historic Use: From 1890 to 1962, the site was used for commercial, residential, and manufacturing including a wagon house, black smith shop, electrical supplies and a warehouse. In 1973, the most recent business that covered the entire site was a 2-story commercial communications facility including numerous petroleum underground storage tanks (USTs). Six petroleum spills have occurred at this site between 1990 and 2007. Site Geology and Hydrogeology: The site is approximately 25 feet above mean sea level. Groundwater is 17 feet to 32 feet below ground surface. Surface water and groundwater flow is towards the Hudson River which is approximately 1,500 feet to the west of the site. The subsurface soil profile consists of urban fill overlying sand and silt deposits. Bedrock is located between 15 and 25 feet below grade. Between 2007 and 2012, all soil above bedrock was removed and replaced with clean fill. 12/19/12-DEC signed the Certificate of Completion for this site.  
Not reported  
Env Problem: Remediation at the site is complete. Prior to remediation, the primary contaminant of concern was low level petroleum (diesel/gasoline) in soil and in shallow groundwater.  
Health Problem: No site-related contaminants of concern were identified beyond the boundaries of the site, therefore no exposure pathways exist.

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AS280**  
**NNE**  
**1/4-1/2**  
**0.310 mi.**  
**1635 ft.**

**MEUSHER 34TH ST LLC**  
**555 WEST 34TH STREET**  
**NEW YORK, NY 10001**  
**Site 10 of 13 in cluster AS**

**NY LTANKS** **S104275609**  
**NY TANKS** **N/A**  
**NY Spills**

**Relative:**  
**Higher**

LTANKS:

Site ID: 166747  
 Spill Number/Closed Date: 9007995 / 8/6/1996  
 Spill Date: 10/22/1990  
 Spill Cause: Tank Test Failure  
 Spill Source: Commercial/Industrial  
 Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: MCTIBBE  
 Referred To: Not reported  
 Reported to Dept: 10/22/1990  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Notifier: Tank Tester  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: True  
 Remediation Phase: 0  
 Date Entered In Computer: 11/5/1990  
 Spill Record Last Update: 4/17/1997  
 Spiller Name: Not reported  
 Spiller Company: NYTEL  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ  
 Spiller County: 001  
 Spiller Contact: Not reported  
 Spiller Phone: Not reported  
 Spiller Extention: Not reported  
 DEC Region: 2  
 DER Facility ID: 140496  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"  
 Remarks: (2) 4K TANKS FAILED VACU TECH, POSSIBLE LINE FAILURES.

**Actual:**  
**28 ft.**

Material:

Site ID: 166747  
 Operable Unit ID: 945214  
 Operable Unit: 01  
 Material ID: 431830  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: -1  
 Units: Pounds  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MEUSHER 34TH ST LLC (Continued)**

**S104275609**

Tank Test:

Site ID: 166747  
Spill Tank Test: 1537739  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

TANKS:

Facility Id: 2-344745  
Region: STATE  
DEC Region: 2  
Site Status: Active  
Program Type: PBS  
Expiration Date: 2007/12/14  
UTM X: 584400.90235999995  
UTM Y: 4512072.9225399997

SPILLS:

Facility ID: 0706755  
DER Facility ID: 294186  
Facility Type: ER  
Site ID: 387329  
DEC Region: 2  
Spill Date: 9/18/2007  
Spill Number/Closed Date: 0706755 / 3/26/2009  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

SWIS: 3101  
Investigator: jedurnin  
Referred To: Not reported  
Reported to Dept: 9/18/2007  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/18/2007  
Spill Record Last Update: 3/26/2009  
Spiller Name: JOHN DUNIN  
Spiller Company: BROWNFIELD SITE  
Spiller Address: 555 WEST 34TH STREET  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: MATTHEW CARROLL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MEUSHER 34TH ST LLC (Continued)**

**S104275609**

Contact Phone: (212) 675-3225  
DEC Memo: Spill Case is part of a long term Brownfields project. March 2009: As part of the Site BCP Project, all the on-site soil was removed to bedrock during the fall of 2007. During this process, an unknown UST was discovered and reported as Spill No. 0706755. The UST was decommissioned and properly removed from the site during the soil removal activities and therefore this Spill is closed. J. durnin  
Remarks: PBS No: 2-31049 -PBS No. not found in UIS, may be invalid.UNDERGROUIND TANK LEAKING:

**Material:**

Site ID: 387329  
Operable Unit ID: 1144538  
Operable Unit: 01  
Material ID: 2134845  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

**Tank Test:**

Facility ID: 0503270  
DER Facility ID: 294186  
Facility Type: ER  
Site ID: 347847  
DEC Region: 2  
Spill Date: 6/17/2005  
Spill Number/Closed Date: 0503270 / 3/21/2006  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: KSTANG  
Referred To: Not reported  
Reported to Dept: 6/17/2005  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 6/17/2005  
Spill Record Last Update: 4/27/2006  
Spiller Name: JEROME KUNG  
Spiller Company: VERIZON BUILDING  
Spiller Address: 555 WEST 34TH STREET

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MEUSHER 34TH ST LLC (Continued)**

**S104275609**

Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: JEROME KUNG  
Contact Phone: (212) 338-6754  
DEC Memo: need to contact either jeff bohlen at envirotrack (631-471-1500) or Jerome Kung at verizon (212-338-6754) to determine what work is being done on the site.No letter has been sent yet. 06/21/05-SR// Spoke with jeff Bohlen(516-807-8983). He will forward all necessary documents to DEC.10.07.05 Sharif is currently reviewing the subsurface investigation report submitted by Envirotrac.3/20/06- DEC Piper reviewed tank closure report. As per report and database, there are two historic spills at the property, 9007995 and 9314833. In 1994, two 4K gasoline UST's were removed, and two 3K gasoline UST were installed. Samples collected from the limits of the excavation detected petroleum impacted soils in the vicinity of these USTs. Additionally, 8- 550 gal USTs are located in the basement of the property. These tanks were allegedly closed along w/ the two 4K gal USTs. SVOC's were detected exceeding NYSDEC TCLP guidance values. Spills 9007995 and 9314833 were closed on 8/6/96 after receipt of tank closure reports for the 2 4K USTs and 8- 550 USTs. In June-August 2005, seven (7) MWs were installed on site. Lab analytical revealed VOC's , SVOC's, and metals above TAGM 4046. Note: the groundwater was determined to be slightly to moderately saline.From Jan 6- 11, 2006, Envirotrac removed the two 3K gasoline USTs that were installed in 1994 and constructed of double wall fiberglass. A total of six (6) endpoint samples were collected from the excavation. With the exception of the West sidewall in which 226 ppb of benzene was detected, no other VOC's were detected above TAGM 4046.Additional excavation was performed in the area of the two- 4K UST remote fills and the two- 3K UST remote fills. Analytical results suggest that VOC's were not present above TAGM 4046, however SVOC's were.In addition to the sampling performed in reference to the UST's, soil samples were collected at the base of the Truck Elevator Shaft where it was determined that VOC's and SVOC's were detected above TAGM 4046, due to a bad seal. To minimize any future impact, the seals were replaced and vegetable oil was used in place of pet. based hydraulic oil.As per the report, the property is currently in negotiations to be sold. This party reportedly plans on razing the building and excavating to bedrock. ~45 feet bgs.In the meantime Envirotrac recommends quarterly sampling of the MW network. Referred to K. Tang3/21/06 - reviewed the tank closure report. Soil and GW contamination is minimal, max GW VOCs is ~200 ppb and only one side wall sample is slight above TAGM 4046. Spill closed. - KST  
Remarks: DURING SOIL BORINGS FOUND OIL IN GROUND:

Material:  
Site ID: 347847  
Operable Unit ID: 1105526  
Operable Unit: 01  
Material ID: 1521340  
Material Code: 0010  
Material Name: Hydraulic Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MEUSHER 34TH ST LLC (Continued)**

**S104275609**

Oxygenate: False

Tank Test:

[Click this hyperlink](#) while viewing on your computer to access additional NY\_SPILL: detail in the EDR Site Report.

**AS281**  
**NNE**  
**1/4-1/2**  
**0.310 mi.**  
**1635 ft.**

**AGFA DIVISION OF BAYER CORP**  
**555 W 34TH ST**  
**NEW YORK, NY**  
**Site 11 of 13 in cluster AS**

**NY Spills 1009225967**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**28 ft.**

Facility ID: 9614443  
DER Facility ID: 278395  
Facility Type: ER  
Site ID: 202579  
DEC Region: 2  
Spill Date: 3/13/1997  
Spill Number/Closed Date: 9614443 / 3/13/1997  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:** 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 3/13/1997  
CID: 371  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/13/1997  
Spill Record Last Update: 3/17/1997  
Spiller Name: JAMES FREER  
Spiller Company: NYNEX  
Spiller Address: 555 W. 34TH ST  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: JAMES FREER  
Contact Phone: (212) 971-9910  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TIBBE"CLOSED, SEND TO TIBBE FOR INF. PURPOSES.  
Remarks: NYNEX REPORTED SPILL OF GASOLINE WITH NO CAUSE. CLEANUP COMPLETE.

**Material:**

Site ID: 202579  
Operable Unit ID: 1045823  
Operable Unit: 01  
Material ID: 339550  
Material Code: 0009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGFA DIVISION OF BAYER CORP (Continued)**

**1009225967**

Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: Yes  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**282**  
**South**  
**1/4-1/2**  
**0.310 mi.**  
**1636 ft.**

**MINICK HOME**  
**440 WEST 22ND STREET**  
**MANHATTAN, NY**

**NY LTANKS S107523558**  
**N/A**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**15 ft.**

Site ID: 359128  
Spill Number/Closed Date: 0512757 / 3/10/2006  
Spill Date: 2/3/2006  
Spill Cause: Tank Failure  
Spill Source: Private Dwelling  
Spill Class: Not reported  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: ConEd Unassigned  
Referred To: Not reported  
Reported to Dept: 2/3/2006  
CID: 444  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 2/3/2006  
Spill Record Last Update: 3/10/2006  
Spiller Name: MINICK HOME  
Spiller Company: MINICK HOME  
Spiller Address: 440 WEST 22ND STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller County: 001  
Spiller Contact: MARK SALAMACK  
Spiller Phone: (917) 559-5519  
Spiller Extention: CELL  
DEC Region: 2  
DER Facility ID: 309129  
DEC Memo: 02/03/06 Feroze talked with Mr. Minick (owner) 212-604-9898. He informed that there was a leak in the tank, they have closed the leak and pumped the oil out. It is above ground tank, floor is made of concrete. An environmental company is working for them. TTF is sent to :Mr. Minick440 west 22nd StreetNew york, NY 10011. 02/10/06 Mr. Minick called and told me that they will close the tank by PTC. He will submit DEC the documents soon.03/02/06 Feroze,: Mr.Minick told

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MINICK HOME (Continued)**

**S107523558**

me that PTC has taken soil sample. He will submit soil analysis result and tank closer report to DEC soon. It was 275 gallon tank. 03/10/06 Feroze received a certificate and soil analysis result. The result shows that VOC and SVOC are within acceptable limit. They also submitted a manifest for removal of contaminated soil. The spill is closed.

Remarks: ruptured tank in basement:

Material:

Site ID: 359128  
Operable Unit ID: 1116352  
Operable Unit: 01  
Material ID: 2106499  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 8  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AO283  
SSW  
1/4-1/2  
0.311 mi.  
1642 ft.

**RESIDENCE**  
**188 10TH AVE**  
**NEW YORK, NY**  
**Site 4 of 4 in cluster AO**

**NY Spills S104651833**  
**N/A**

Relative:  
Lower

SPILLS:

Facility ID: 0000570  
DER Facility ID: 191172  
Facility Type: ER  
Site ID: 231981  
DEC Region: 2  
Spill Date: 4/14/2000  
Spill Number/Closed Date: 0000570 / 5/1/2000  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
11 ft.

SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 4/14/2000  
CID: 389  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RESIDENCE (Continued)**

**S104651833**

Date Entered In Computer: 4/14/2000  
Spill Record Last Update: 1/5/2004  
Spiller Name: Not reported  
Spiller Company: ET MINOR FUEL  
Spiller Address: 6205 5TH AVE  
Spiller City,St,Zip: BROOKLYN, NY  
Spiller Company: 001  
Contact Name: CALLER  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: CALLER REPORTING A SPILL OF MATERIAL FROM AN UNK SOURCE APROX 2 GAL OF MATERIAL SPILLED NO CLEANUP AS OF YET NO CALLBACK NECESSARY

Material:

Site ID: 231981  
Operable Unit ID: 822351  
Operable Unit: 01  
Material ID: 288814  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AU284**  
**NE**  
**1/4-1/2**  
**0.312 mi.**  
**1645 ft.**

**HI RAIL VEHICLES-CONTRA C**  
**34 TH/10TH AVE**  
**MANHATTAN, NY**  
**Site 1 of 9 in cluster AU**

**NY Spills S108763836**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0705722  
DER Facility ID: 335481  
Facility Type: ER  
Site ID: 386088  
DEC Region: 2  
Spill Date: 8/18/2007  
Spill Number/Closed Date: 0705722 / 9/28/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**35 ft.**

**SWIS:**

Investigator: hrpatel  
Referred To: Not reported  
Reported to Dept: 8/18/2007  
CID: 75  
Water Affected: N/A  
Spill Source: Commercial Vehicle  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

HI RAIL VEHICLES-CONTRA C (Continued)

S108763836

Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/18/2007  
Spill Record Last Update: 9/28/2007  
Spiller Name: Not reported  
Spiller Company: HI RAIL VEHICLES-CONTRA C  
Spiller Address: 34 TH/10TH AVE  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: 08/20/07-Hiralkumar Patel. visited site on 08/18/07. met people from Amtrak and Mr. Cattafi from CleanHarbors. as per Amtrak, crew was working in tunnel and had fan car to ventilate area. fan car had 200 gal diesel tank to run fan and that tank had leak from welded joint. fan car ran over 2500 ft before oil leak noticed. oil spilled at about 9 places where that fan car stopped during work. found diesel contaminated stones on track. asked Mr. Cattafi to submit closure documents (cleanup method, disposal manifests, sample analytical if any soil discovered etc.)spoke with Mr. Cattafi today. he will submit documents by Sep. 15, 2007.Carmine CattafiCleanHarbors Environmental ServicesPh. (732) 248-1997 Ext. 242 (908) 413-3806 (C)Fax (732) 248-4414email: cattafic@cleanharbors.com09/28/07-Hiralkumar Patel. received letter from Amtrak with disposal manifest. cleanup has completed. case closed.  
Remarks: spill came from a private truck onto Amtrak property-Five Star Electric is the contractor-spill is contained and Clean Harbors enroute to finish work-no waterWAYS AFFECTED  
Material:  
Site ID: 386088  
Operable Unit ID: 1143337  
Operable Unit: 01  
Material ID: 2133614  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 150  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**AU285**  
**NE**  
**1/4-1/2**  
**0.312 mi.**  
**1645 ft.**

**W 34TH ST & 10TH AVENUE**  
**W 34TH ST & 10TH AVENUE**  
**MANHATTAN, NY**

**NY Spills**    **S102147026**  
**N/A**

**Site 2 of 9 in cluster AU**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 9307488  
DER Facility ID: 79075  
Facility Type: ER  
Site ID: 86156  
DEC Region: 2  
Spill Date: 9/21/1993  
Spill Number/Closed Date: 9307488 / 9/21/1993  
Spill Cause: Unknown  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**35 ft.**

**SWIS:** 3101  
Investigator: KSTANG  
Referred To: Not reported  
Reported to Dept: 9/21/1993  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Local Agency  
Cleanup Ceased: 9/21/1993  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 9/22/1993  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: UNK  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*UPDATE\*\*\*, ZZ  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"

**Remarks:** CALLER CALLED REPORTING OIL LEAK IN THE ROAD, CAUSING CARS TO SLIDE ALL OVER. SANITATION DEPT WILL APPLY - SEND AND REMOVE - NO CALL BACK. Not reported

**Material:**

Site ID: 86156  
Operable Unit ID: 986084  
Operable Unit: 01  
Material ID: 393750  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**W 34TH ST & 10TH AVENUE (Continued)**

**S102147026**

Oxygenate: False

Tank Test:

**AU286**  
**NE**  
**1/4-1/2**  
**0.312 mi.**  
**1645 ft.**

**34TH ST. & 10TH AVE./AMOC**  
**34TH ST. & 10TH AVE.**  
**NEW YORK CITY, NY**  
**Site 3 of 9 in cluster AU**

**NY LTANKS** **S100143829**  
**N/A**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**35 ft.**

Site ID: 122904  
Spill Number/Closed Date: 8705645 / 10/5/1987  
Spill Date: 10/5/1987  
Spill Cause: Tank Failure  
Spill Source: Tank Truck  
Spill Class: Not reported  
Cleanup Ceased: 10/5/1987  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: UNASSIGNED  
Referred To: Not reported  
Reported to Dept: 10/5/1987  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Citizen  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 10/7/1987  
Spill Record Last Update: 5/2/1989  
Spiller Name: Not reported  
Spiller Company: AMOCO  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 106534  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was " "  
Not reported  
Remarks: TANK OVERFILL ONE OR TWO TIMES A WEEK DURING SERVICE, APPROXIMATELY 50 GALLONS.

Material:

Site ID: 122904  
Operable Unit ID: 909469  
Operable Unit: 01  
Material ID: 468231  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**34TH ST. & 10TH AVE./AMOC (Continued)**

**S100143829**

Quantity: 50  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 122904  
Spill Tank Test: 1531827  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/1/2004  
Test Method: Unknown

**AU287**  
**NE**  
**1/4-1/2**  
**0.312 mi.**  
**1645 ft.**

**34TH ST. AND 10TH AVE./AM**  
**34TH ST.& 10TH AVE.**  
**NEW YORK CITY, NY**  
**Site 4 of 9 in cluster AU**

**NY LTANKS** **S102671194**  
**N/A**

**Relative:**  
**Higher**

LTANKS:

**Actual:**  
**35 ft.**

Site ID: 86947  
Spill Number/Closed Date: 8704567 / 9/1/1987  
Spill Date: 9/1/1987  
Spill Cause: Tank Overfill  
Spill Source: Gasoline Station  
Spill Class: Not reported  
Cleanup Ceased: 9/1/1987  
Cleanup Meets Standard: True  
SWIS: 3101  
Investigator: UNASSIGNED  
Referred To: Not reported  
Reported to Dept: 9/1/1987  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Citizen  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: True  
Remediation Phase: 0  
Date Entered In Computer: 9/10/1987  
Spill Record Last Update: 10/7/1988  
Spiller Name: Not reported  
Spiller Company: AMOCO GAS STATION  
Spiller Address: 34TH ST.& 10TH AVE.  
Spiller City,St,Zip: N.Y., NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 79704

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**34TH ST. AND 10TH AVE./AM (Continued)**

**S102671194**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was " "  
Not reported  
Remarks: TANK TRUCK (LICENSE PLATE # AP7359) INVOLVED IN TANK OVERFILL.

Material:  
Site ID: 86947  
Operable Unit ID: 911052  
Operable Unit: 01  
Material ID: 467199  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AS288**  
**NNE**  
**1/4-1/2**  
**0.313 mi.**  
**1652 ft.**

**WEST SIDE YARD**  
**34TH ST / 11TH AV**  
**MANHATTAN, NY**  
**Site 12 of 13 in cluster AS**

**NY Spills S107488657**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**25 ft.**

SPILLS:  
Facility ID: 0510118  
DER Facility ID: 306098  
Facility Type: ER  
Site ID: 356028  
DEC Region: 2  
Spill Date: 11/26/2005  
Spill Number/Closed Date: 0510118 / 1/23/2006  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: SFRAHMAN  
Referred To: Not reported  
Reported to Dept: 11/26/2005  
CID: 64  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/26/2005  
Spill Record Last Update: 10/9/2007  
Spiller Name: JOE CRUZ  
Spiller Company: WEST SIDE YARD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEST SIDE YARD (Continued)**

**S107488657**

Spiller Address: 34 ST / 11 AV  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: JOE CRUZ  
Contact Phone: (718) 558-8204  
DEC Memo: 11.28.05 Sharif// I spoke with Mr.Mcgillacuddy,(718)558-7642, with LIRR Mechanical Department. He will get back to me with correct clean up information.12/01/05-Sharif// Paul Manski,(718)558-3097 from LIRR told me he would fax me the fact sheet about the clean up.01/23/06 Sharif// Rec'd Non Hazardous waste disposal manifest from LIRR, System Safety Department. NFA required.  
Remarks: Caller states a 55 gallon drum was knocked over.

Material:  
Site ID: 356028  
Operable Unit ID: 1113353  
Operable Unit: 01  
Material ID: 2103414  
Material Code: 0015  
Material Name: Motor Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 55  
Units: Gallons  
Recovered: 55  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AS289  
NNE  
1/4-1/2  
0.313 mi.  
1652 ft.

**CONSTRUCTION SITE**  
**11TH AVE BWT 33RD & 34TH ST**  
**MANHATTAN, NY**

**NY Spills S109415172**  
**N/A**

**Site 13 of 13 in cluster AS**

**Relative:**  
**Higher**

**SPILLS:**  
Facility ID: 0812206  
DER Facility ID: 359070  
Facility Type: ER  
Site ID: 409815  
DEC Region: 2  
Spill Date: 2/9/2009  
Spill Number/Closed Date: 0812206 / 8/25/2009  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**25 ft.**

**SWIS:**  
Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 2/9/2009  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE (Continued)**

**S109415172**

Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/9/2009  
Spill Record Last Update: 8/25/2009  
Spiller Name: DAVE WALBOURNE  
Spiller Company: S32 TUNNEL CONSTRUCTORS  
Spiller Address: 360 WEST 31ST ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: DAVE WALBOURNE  
Contact Phone: (201) 835-9555  
DEC Memo: Spill was to frozen ground. Area was contained with dirt dike. Back hoe scooped impacted soil up and staged on poly immediately. Staged soil was loaded into 4 drums for removal. Cleanup complete.5/5/2009 - Dave Walbourne (201-835-9555) from the contractor called back to say there was additional contamination which needs to be removed. There is a 2 or 3 ft deep layer of gravel over an existing cement/blacktop road. They will dig out the gravel fill material down to this road bed and remove the impacted material.Spill was reopened today.  
Remarks: CALLER STATES THAT DURING FUELING THE HOSE WAS DROPPED RESULTING IN A SPILL OF ABOUT 2 GALLONS CLEAN UP WAS DONE.

Material:  
Site ID: 409815  
Operable Unit ID: 1166312  
Operable Unit: 01  
Material ID: 2157768  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons  
Recovered: 2  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AV290  
SSE  
1/4-1/2  
0.313 mi.  
1655 ft.

400 W 23RD ST  
NEW YORK, NY 10011

Site 1 of 4 in cluster AV

EDR US Hist Cleaners 1015054569  
N/A

Relative:  
Higher

EDR Historical Cleaners:

Name: EXPERT CLEANERS  
Year: 2004  
Address: 400 W 23RD ST

Actual:  
17 ft.

Name: EXPERT CLEANERS  
Year: 2005  
Address: 400 W 23RD ST

Name: EXPERT CLEANERS

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**1015054569**

Year: 2010  
 Address: 400 W 23RD ST

Name: EXPERT CLEANERS  
 Year: 2011  
 Address: 400 W 23RD ST

Name: EXPERT CLEANERS  
 Year: 2012  
 Address: 400 W 23RD ST

**AR291**  
**WSW**  
**1/4-1/2**  
**0.317 mi.**  
**1673 ft.**

**PIER 62**  
**MAYER TERMINAL PIER 62**  
**NEW YORK, NY**

**NY Spills S103936124**  
**N/A**

**Site 4 of 4 in cluster AR**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 9900403  
 DER Facility ID: 134141  
 Facility Type: ER  
 Site ID: 158746  
 DEC Region: 2  
 Spill Date: 4/12/1999  
 Spill Number/Closed Date: 9900403 / 2/26/2003  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**1 ft.**

**SWIS:** 3101  
 Investigator: SMSANGES  
 Referred To: Not reported  
 Reported to Dept: 4/12/1999  
 CID: 266  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 4/12/1999  
 Spill Record Last Update: 2/28/2003  
 Spiller Name: Not reported  
 Spiller Company: UNKNOWN  
 Spiller Address: Not reported  
 Spiller City,St,Zip: NY  
 Spiller Company: 999  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "SANGESLAND"

**Remarks:** NOTIFIER (CAPTAIN OF SHIP) NOTICED A SHEEN ON THE WATER NEAR HIS VESSEL. HE DOESN'T BELIEVE THAT IT'S COMING FROM HIS VESSEL. THERE IS A BARGE (JET TRADER) NEARBY. NATIONAL RESPONSE CENTER ALSO NOTIFIED, #480049. FURTHER INFORMATION TO FOLLOW WHEN AVAILABLE.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PIER 62 (Continued)**

**S103936124**

Material:  
Site ID: 158746  
Operable Unit ID: 1079150  
Operable Unit: 01  
Material ID: 307541  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AV292**  
**SSE**  
**1/4-1/2**  
**0.317 mi.**  
**1674 ft.**

**MANHOLE #3153**  
**9TH AVE/WEST 23RD**  
**MANHATTAN, NY**  
**Site 2 of 4 in cluster AV**

**NY Spills S106970939**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0504816  
DER Facility ID: 296163  
Facility Type: ER  
Site ID: 349731  
DEC Region: 2  
Spill Date: 7/21/2005  
Spill Number/Closed Date: 0504816 / 1/10/2006  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**17 ft.**

**SWIS:** 3101  
Investigator: SKARAKHA  
Referred To: Not reported  
Reported to Dept: 7/21/2005  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/21/2005  
Spill Record Last Update: 1/10/2006  
Spiller Name: ERT DESK  
Spiller Company: MANHOLE #3153  
Spiller Address: 9TH AVE/WEST 23RD  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 001  
Contact Name: ERT DESK

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**MANHOLE #3153 (Continued)**

**S106970939**

Contact Phone: (212) 580-8383  
 DEC Memo: e2mis no 159922M Acevedo # 53317 reports that while inspecting tm3153, he discovered 4 gallons of transformer oil mixed with dirt on the concrete floor of the structure. No sewer or waterway affected. TM 3153 is on feeder 13m64. Spill is caused by a bushing leak , source is the transformer. There is oil filled equipment in the structure ( the transformer). Environmental yellow tag # 38796 was applied. No substantial cracks observed. Due to the amount of dirt in the structure, asump could not be verified. 2 dirt and oil samples were taken by M Acevedo # 53317, 1 from the spill and 1 from the unit, both for pcb. Cleanup is pending deenergization of equipment.  
 Remarks: BUSHING ON TRANSFORMER IS LEAKING: NO TO 4 QUESTIONS; CLEAN UP IS PENDING DEENERGIZING: CONED # 159922

Material:  
 Site ID: 349731  
 Operable Unit ID: 1107319  
 Operable Unit: 01  
 Material ID: 2097210  
 Material Code: 0541A  
 Material Name: DIELECTRIC FLUID  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 4  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AW293**  
**ENE**  
**1/4-1/2**  
**0.322 mi.**  
**1698 ft.**

**425 WEST 33RD ST**  
**425 WEST 33RD ST**  
**MANHATTAN, NY**  
**Site 1 of 2 in cluster AW**

**NY LTANKS** **S106703793**  
**N/A**

**Relative:**  
**Higher**

LTANKS:  
 Site ID: 240388  
 Spill Number/Closed Date: 9608649 / 10/11/1996  
 Spill Date: 10/11/1996  
 Spill Cause: Tank Overfill  
 Spill Source: Commercial/Industrial  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
 Cleanup Ceased: Not reported  
 Cleanup Meets Standard: False  
 SWIS: 3101  
 Investigator: SMMARTIN  
 Referred To: Not reported  
 Reported to Dept: 10/11/1996  
 CID: 257  
 Water Affected: Not reported  
 Spill Notifier: Responsible Party  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Involvement: False

**Actual:**  
**44 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**425 WEST 33RD ST (Continued)**

**S106703793**

Remediation Phase: 0  
Date Entered In Computer: 10/11/1996  
Spill Record Last Update: 6/3/2004  
Spiller Name: JIM CAREY  
Spiller Company: CASTLE OIL  
Spiller Address: 290 LOCUST AVE  
Spiller City,St,Zip: BRONX, NY 10454-  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: (212) 563-2575  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 197687  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"  
Remarks: overfill of storage tank cleanup crew on the way

Material:

Site ID: 240388  
Operable Unit ID: 1039859  
Operable Unit: 01  
Material ID: 344379  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 25  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Site ID: 369290  
Spill Number/Closed Date: 0606006 / 9/11/2006  
Spill Date: 8/24/2006  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: rmpiper  
Referred To: Not reported  
Reported to Dept: 8/24/2006  
CID: 444  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

425 WEST 33RD ST (Continued)

S106703793

Date Entered In Computer: 8/24/2006  
Spill Record Last Update: 9/11/2006  
Spiller Name: SISTER KATHLEEN  
Spiller Company: ST MICHEAL'S SCHOOL  
Spiller Address: 425 WEST 33RD STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller County: 001  
Spiller Contact: SISTER KATHLEEN  
Spiller Phone: (212) 594-9056  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 319177  
DEC Memo: DEC Piper spoke w/ Charles Rose. Assistant to the principal. As per conversation, they were getting ready for winter and noticed a leak. When the janitor inspected found approx 200 gal in vaulted area. Spill is contained and in vault. PTC to respond today and pump out remaining oil and oil on floor. No drains, sewers effected. PTC to contact DEC upon completion of emergency cleanup. School is not in session and no children are present. Odors present in basement only and not in school.9/11/06- DEC Piper spoke w/ Sister Kathleen, PTC had cleaned up emergency spill. Piper spoke w/ PTC, tank was above ground on concrete. Concrete was in good shape. School is going to replace tank. 6 drums of oil soaked speedy dry removed. CLOsed.

Remarks: TANK IS LEAKING IN THE TANK ROOM OF SCHOOL: CREW ENROUTE TO PUMP OUT TANK AND CLEAN UP SPILL: NO DRAINS EFFECTED:

Material:  
Site ID: 369290  
Operable Unit ID: 1127130  
Operable Unit: 01  
Material ID: 2116713  
Material Code: 0002A  
Material Name: #4 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 200  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AU294  
NE  
1/4-1/2  
0.322 mi.  
1701 ft.

APARTMENT BUILDING  
455 WEST 34TH ST  
MANHATTAN, NY  
Site 5 of 9 in cluster AU

NY Spills S109374058  
N/A

Relative:  
Higher

SPILLS:  
Facility ID: 0809624  
DER Facility ID: 356363  
Facility Type: ER  
Site ID: 407108  
DEC Region: 2  
Spill Date: 11/26/2008

Actual:  
36 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APARTMENT BUILDING (Continued)**

**S109374058**

Spill Number/Closed Date: 0809624 / 11/28/2008  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 11/26/2008  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/26/2008  
Spill Record Last Update: 11/28/2008  
Spiller Name: SCOTT WILLIAMS  
Spiller Company: HESS OIL  
Spiller Address: 455 WEST 34TH ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: SCOTT WILLIAMS  
Contact Phone: Not reported  
DEC Memo: Hess hired PTC to complete cleanup. Repairs will be made to the fill box connections.  
Remarks: Caller states a poor connection at the oil fill pipe caused oil to spill onto the sidewalk and soil. Clean up will take place shortly, clean up crew was dispatched.

Material:  
Site ID: 407108  
Operable Unit ID: 1163666  
Operable Unit: 01  
Material ID: 2155010  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 7  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AU295**  
**NE**  
**1/4-1/2**  
**0.322 mi.**  
**1701 ft.**

**455 W 34TH ST**  
**NEW YORK, NY 10001**

**EDR US Hist Cleaners**    **1015063496**  
**N/A**

**Site 6 of 9 in cluster AU**

**Relative:**  
**Higher**

EDR Historical Cleaners:

Name: WESTLAKE CLEANERS & LAUNDERERS  
Year: 2001  
Address: 455 W 34TH ST

**Actual:**  
**36 ft.**

Name: WESTLAKE CLEANERS & LAUNDERERS  
Year: 2004  
Address: 455 W 34TH ST

Name: WESTLAKE CLEANERS & LAUNDERER  
Year: 2010  
Address: 455 W 34TH ST

Name: WESTLAKE CLEANERS & LAUNDERERS  
Year: 2011  
Address: 455 W 34TH ST

Name: WESTLAKE CLEANERS & LAUNDERERS  
Year: 2012  
Address: 455 W 34TH ST

**AU296**  
**NE**  
**1/4-1/2**  
**0.327 mi.**  
**1727 ft.**

**AMACO**  
**10TH AVE @ WEST 34TH ST**  
**NYC, NY**

**NY Spills**    **S102663327**  
**N/A**

**Site 7 of 9 in cluster AU**

**Relative:**  
**Higher**

SPILLS:

Facility ID: 9704661  
DER Facility ID: 11535  
Facility Type: ER  
Site ID: 69211  
DEC Region: 2  
Spill Date: 7/18/1997  
Spill Number/Closed Date: 9704661 / 5/3/2002  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**37 ft.**

SWIS: 3101  
Investigator: JBVOUGHT  
Referred To: Not reported  
Reported to Dept: 7/18/1997  
CID: 281  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/18/1997  
Spill Record Last Update: 8/23/2005

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMACO (Continued)**

**S102663327**

Spiller Name: UNKNOWN  
Spiller Company: AMOCO  
Spiller Address: 10TH AVE @ WEST 34TH ST  
Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: ROBERT KEPICH  
Contact Phone: (718) 595-6777  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"5/3/2002-VOUGHT- See spill #0201270 at same location. This spill closed by Vought. 03/17/03 REASSIGNED FROM ENGELHARDT TO VOUGHT. Not reported  
Remarks: CITIZEN REPORTS A LARGE AMOUNT OF GASOLINE ON GROUND AT ABOVELOCATION. HAZ MAT UNIT RESPONDING. NO CALL BACK REQUESTED.

Material:  
Site ID: 69211  
Operable Unit ID: 1048049  
Operable Unit: 01  
Material ID: 333917  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AU297** **BP AMOCO STATION #11248**  
**NE** **436 TENTH AVE**  
**1/4-1/2** **NEW YORK, NY 10018**  
**0.327 mi.**  
**1727 ft.** **Site 8 of 9 in cluster AU**

**NY Spills** **S106003274**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**  
Facility ID: 0201270  
DER Facility ID: 11535  
Facility Type: ER  
Site ID: 243204  
DEC Region: 2  
Spill Date: 4/16/2002  
Spill Number/Closed Date: 0201270 / Not Closed  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
**SWIS:** 3101  
Investigator: rjfeng  
Referred To: GW ISSUE, DEVELOPMENT, 2Q2012  
Reported to Dept: 5/3/2002  
CID: 204  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Local Agency  
Cleanup Ceased: 8/23/2004

**Actual:**  
**37 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BP AMOCO STATION #11248 (Continued)**

**S106003274**

Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 5  
Date Entered In Computer: 5/3/2002  
Spill Record Last Update: 8/27/2012  
Spiller Name: UNKNOWN  
Spiller Company: AMOCO STATION 11248  
Spiller Address: 436 10TH AVENUE  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 001  
Contact Name: BRAD FISHER  
Contact Phone: (914) 765-8198  
DEC Memo:

5/3/2002-VOUGHT-See spill #9704661, #9200058, #9506257 at same location. DO NOT CLOSE THIS SPILL UNTIL THE ABOVE REFERENCED SPILLS ARE ADDRESSED.11/18/03 Transferred from Vought to Foley. File review (KMF)Depth to groundwater 5-10 ft bgs. Depth to bedrock approx 1.5-8.5 ft bgs. Most likely impacted. Delta submitted Monitoring Well Abandonment Report on 7/3/03. MW-2 through MW-5 were abandoned because of unknown construction, the well did not exhibit significant impacts, the well no longer served a productive purpose in the monitoring network, and/or the well presented a risk of cross contaminating deeper strata. MW-1, MW-6 and MW-7 remain in place.Delta submitted First Quarter 2003 Monitoring Report on 10/1/03. LNAPL present in MW-7 since April 2002. BTEX concentrations fluctuating but above GWQS, except for MW-5. MTBE concentrations are consistently above GWQS. Max conc of total BTEX 3680ug/L (MW-4)Max conc of MTBE 34200ug/L (MW-2)12/15/03 2Q2003 monitoring report received. Sampling event from 5/9/03 showed 0.42' of LNAPL in MW-7 and high BTEX and MTBE in other wells. MW-2, MW-3, MW-4 and MW-5 have been adandoned since.5/7/04 Portfolio meeting: shallow bedrock, DTW 4-9'bgs. Diesel/#2 fuel oil detected in MW-1. Bedrock fracture analysis shows possible source as adj. commercial property. Need to invetigate further. Will continue monitoring. Need to collect sample from MW-7(new well). Upgrade to be done this year as part of spill prevention initiative.7/8/04 Received 3Q03 & 4Q03 monitoring reports. 0.41 ft(3Q03) and 0.04ft(4Q03) of product in MW-7.7/27/04 Stipulation due 8/17/04.8/17/04 1Q04 monitoring report received. Shallow bedrock. Three wells on site. BTEX from 69ppb(MW-6) to 1152ppb(MW-1). MTBE from 38000ppb(MW-6) to 117000ppb(MW-1). 0.07' LNAPL in MW-7.2Q04 monitoring report received. BTEX from 110ppb(MW-6) to 648ppb(MW-1). MTBE from 2190ppb to 58700ppb.8/19/04 Stip signed and returned.8/23/04 Stip fully executed by T. Kunkel.

-----10/26/04 Investigation summary report received.  
Historic Investigations:7/1/91 Amoco Oil activated a lease agreement with Spartan, the current property owner. Spartan conducted a baseline gw quality assessment, the results which detected dissolved product in gw.11/20/01 Delta, as part of an assessment to support lease termination, advanced four soil borings (SB-1 thru SB-4) by Geoprobe. They were advanced around the tank mat and pump islands to refusal between 1-3'bgs. Four existing wells were identified and samples were taken from MW-1 and MW-2 on 11/20/01 (MW-3 & MW-4 were obstructed). Total BTEX from 35ppb(MW-1) to 2124ppb(MW-2). MTBE was detected at 129000ppb in MW-2 and 130000ppb in MW-1.4/3/02 Three

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BP AMOCO STATION #11248 (Continued)**

**S106003274**

additional wells (MW-5,6,7) were advanced at previously installed boring locations SB-1, 2, and 3. Bedrock was encountered between 1.5 and 3.5 ft bgs and GW in bedrock fractures between 8 and 11' bgs in MW-6 and MW-7. Bedrock GW not encountered in MW-5. The MWs were advanced thru bedrock to depths between 16-26' bgs. Also cleared obstructions in MW-3 and MW-4. BTEX ranged from 50ppb(MW-3) to 4383ppb(MW-4). MTBE from 49ppb(MW-3) to 40700ppb(MW-2). Trace LNAPL was detected in MW-7 and was sampled. Results identified it as highly weathered regular grade gasoline that does not contain MTBE. 12/10/02 Geophysical survey conducted. Identified competent bedrock between 1 and 8' bgs. 6/12/03-6/24/03 Rehabilitated MW-1, MW-6 and MW-7 for use in fracture survey. Abandoned MW-2, MW-3, MW-4 (unknown construction) and MW-5. All were uncased and had potential of contaminating the bedrock GW. 7/2/03 Fracture survey conducted. Possible path from south pump island to MW-1 identified. 2/4/04 0.02' LNAPL observed in MW-1. Identified as 90% weathered/highly degraded diesel/fuel oil distillate and 10% weathered/degraded premium gasoline. 4/15/04 Installed sorbant socks in MW-1 and MW-7. The lease may be terminated prior to its scheduled end during December 2006. At the time of the lease termination, BP will remove all USTs and related piping. If it is to be razed within the timeframe noted in the CAP, Delta intends to address the overburden impacts via excavation. If the site will not be razed within the noted timeframe, Delta will develop an interim remedial plan to effectively address the overburden site impacts until excavation can occur. Quarterly GW monitoring to continue concurrently.

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-----11/12/04 3Q04 monitoring report. Three wells on site. 0.32' free product in MW-7. BTEX ranged from 226ppb(MW-6) to 6095ppb(MW-7). MTBE from 20900ppb(MW-7) to 36100ppb(MW-1). 2/17/05 4Q04 monitoring report. BTEX ranged from 177ppb(MW-1) to 2876ppb(MW-7). MTBE from 7980ppb(MW-7) to 38200ppb(MW-1). DTW 7-10' bgs. 4/27/05 Portfolio meeting- No source identified, assumed to be tanks. Subsurface impacts in the capillary fringe, vadose and saturated zones in the NE part of the site. Hydrophobic socks installed in MW-1, MW-7 to address LNAPL and subsequently removed to evaluate recharge. LNAPL not present currently. Vapor evaluation done in 10/04 for adjacent property. MPE well in area of bedrock depression(MW-8) installed 4/05. Pilot test tomorrow. Reinvestigate vapor recovery system as potential source of vapor complaints during fuel delivery. To be demolished in 18 months. RAP by 6/15/05. 7/1/05 Received pilot test report for portable multi-phase extraction(MPE). Pilot performed on MW-8 on 4/28 and 4/29/05. DTW at 6.26' bgs. The stinger was set at 8' bgs (1.5' below the watertable.) The test was run at 25%, 50%, 75% and 100% vacuum levels while monitoring response levels. No influence was recorded at neighboring wells but vapors were recovered with decent recovery rates. Delta proposes extraction by a portable MPE unit. 7/8/05 Received RAP for portable MPE unit. Pilot test removed hydrocarbons from capillary fringe and unsaturated zone, but due to a lack of overburden groundwater, removal from the saturated zone was not achieved. Propose to use twice a month and reevaluate after two months. 7/27/05 1Q05-DTW 6.51-9.25' bgs. Total BTEX from 313ppb(MW-6) to 806ppb(MW-7). MTBE from 990ppb(MW-7) to 16900ppb(MW-6). 8/1/05 2Q05-DTW 6.60-9.38' bgs. Total BTEX from 104ppb(MW-1) to 350ppb(MW-6). MTBE from 929ppb(MW-7) to 9810ppb(MW-6). 8/24/05 Conditionally approved RAP to be implemented by

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BP AMOCO STATION #11248 (Continued)**

**S106003274**

12/24/05. Six-month evaluation(6/06) of MPE to include proposal to address saturated zone contamination. To include contaminant mass estimation. It is unclear if recovery well, MW-8, will be sufficient to address entire impacted area.11/8/05: Reviewed quarterly monitoring report dated November 3, 2005. Only three of four MW's were sampled on September 15, 2005 because MW8 was dry and MW's 2,3,4 and 5 were abandoned because they could not be converted into cased, open-borehole bedrock wells. No free product present. Groundwater flow beneath the site is dictated by the bedrock fracture pattern. Max BTEX is 2,774 ppb (MW-7) and max MTBE is 14,200 ppb (MW6). Only monitoring occurred this quarter (no remedial action). There was a large increase in MW7 BTEX and MTBE concentrations, as well as MW 1 and MW6 MTBE concentrations. A tightness test should be conducted on existing tanks.12/20/05 Received Subsurface Hydrocarbon Assessment report dated 12/6/05 which documents installation of MW-8 on 4/4/05. Soil sample collected from 5-8.5'bgs. Too many cobbles in split spoon to submit sample. Completed to 8.5'bgs within overburden, not bedrock like MW-1,6,7. DTW was 7.3'bgs at installation. GW sample collected 5/20/05, total BTEX 181ppb and MTBE 2340ppb.12/21/05 Received copy of "Notice of No Objection" from Darryl Cabbagestalk, NYCDEP, addressed to L. Osorio, Manhattan Borough Commissioner for NYCDOB. High Point Engineering sent in plans to demolish the existing structures and remove the USTs, piping and contaminated soil. They are not planning to change use to residential. The property has been designated with a Hazardous Materials and Noise "E" as part of the Hudson Yards Rezoning action.2/1/06 Spoke to Julie, Galli Engineering, representing prospective purchaser who will be constructing a residential high rise. Planning to blast out bedrock down to 20'bgs. Based on current data, not expecting to dewater but after blasting will possibly need to dewater. Will submit construction details, to include vapor barrier. Also to submit a remedial action plan, which will include contingency plans. May propose a surface application such as ORC and effectiveness monitoring depending on water infiltration.3/3/06 4Q05- 3 of 4 wells sampled on 11/16/05. DTW 6.75-9.61'bgs, in bedrock. 0.02' LNAPL detected in MW-1. BTEX from 21ppb(MW-8) to 1872ppb(MW-7). MTBE from 129ppb(MW-8) to 5550ppb(MW-6).3/16/06 Met with BP and Delta. Source removal to be conducted 4/06. Remediation contract starts after demolition contract.3/21/06 Conference call with Nick Onufrak, BP, and Paul Meyer, Delta, to discuss future of site. Delta will do EFR events to try and recover product from wells prior to doing source removal down to bedrock. Recommended they coordinate with buyer. Bottom of slab is going to be at 30'bgs. Tanks already pulled. 3 bedrock wells to be destroyed during construction. Possibly to install slotted piping for subslab depressurization.4/11/06 Update from P. Meyer, Delta. Delta has completed seven 8-hour days of bedrock groundwater remediation at the site. The work was completed using a mobile Multi-PhaseExtraction system to remove LNAPL, groundwater, and soil vapors from the underlying bedrock. It appears that the residual amount of LNAPL (0.02 ft) that was noted in MW-1 during the fourth quarter of 2005 has been successfully remediated. No LNAPL was observed subsequent to Delta's remediation work. Delta collected ground water samples from monitoring wells MW-1 and MW-7 following conclusion of the bedrock remediation activities. Laboratory analytical results indicate stable or reduced concentrations of BTEX and MTBE for both monitoring wells with the exception of MW-1 which showed an increase in the xylenes concentration.4/17/06 MPE O&M report received for Oct & Nov 2005. 1lb

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BP AMOCO STATION #11248 (Continued)**

**S106003274**

BTEX, 0.15lbs MTBE, and 61lbs TPH have been recovered.4/25/06 Conference call with N. Onufrak, BP, and P. Meyer, Delta. Paul will submit groundwater results. Construction is to start next week. No additional groundwater sampling is proposed due to construction. All source soils are to be removed. Expecting to have report submitted by 6/1/06.4/26/06 Sent email to P. Meyer, Delta. VOCs remain elevated. Petition for closure is denied. If excavation is to be the groundwater remedy, then it must be demonstrated that the contaminant concentrations will decrease to standards through degradation/retardation/dispersion in a reasonable timeframe. 5/11/06 Spoke to Nick Onufrak, BP. Nine abandoned 550s were uncovered and expect three more. Will register and close out properly. There has been some water accumulation on bedrock at some elevations and they have been pumping it out. Sometimes groundwater has a sheen. He also said that Delta would be looking for locations to install wells to show a reduction in concentrations. Expect to be on site for next two weeks. They are developing a plan for groundwater monitoring. P. Meyer, Delta, anticipates demonstration of contaminant reduction in the ground water through comparison of the present site conditions with modeled results of expected contaminant levels following removal of the source. During the source removal activities they are collecting sidewall samples for closure purposes as well as samples of the excavated material (i.e. the overburden soil that is being removed from the site) for modeling purposes. Soil removal work commenced on Monday May 1st and is anticipated to be completed by Friday May 19th.6/8/2006 - Feng - project reassigned to RJFeng. (RJF)8/11/2006 - Feng - Spill Site Inactivation Report, June 29, 2006, by Delta Environmental. The bedrock is extended from 1' to 2' bg at the south and southwest and 10' to 13' bg at the north and northeast. On May 2006, Delta removed 16 USTs, all the soil overburden and weathered bedrock off site. Before the removal activities, Delta did an 8 hours per day, 7 days EFR on a bedrock well, W-1 which has been detected free product (0.02') and W-7. The last groundwater sampling results (4/3/2006) show that W-1 has found 2,174 ppb BTEX and 9,830 ppb MTBE, and W-7 has found 141 ppb BTEX and 411 ppb MTBE. Since Delta was not able to collected groundwater sample due to the wells abandonment, Delta did a contaminant fate and transport model using WinFlow/WinTran software. The result from the model indicated that there will be no BTEX or MTBE concentration in groundwater after 187 days. Delta requested to close the spill. Emailed to Joe Haas (Region 1) for comments on the application of WinFlow/WinTran on bedrock site like this. In his reply, he stated "Based upon the limiting assumptions in associated with WinFlow, any WinFlow / WinTrans application to flow and chemical transport in fractured rock is immediately suspect and likely inappropriate".Discussed with Joe Sun and A. Obligado about the site closure. The closure is denied due to the continued presense of elevated level of groundwater contamination. The WinFlow/WinTran model is not apporiate to apply in the bedrock situation. As BP and Delta mentioned in the meeting of 7/20/2006, the new developer will blast the bedrock down to 20 feet below grade and dewatering process would be needed at that time is expected. So DEC requires the following items: 1) Monthly influent groundwater samples from the dewatering system. 2) Installation of water-proofing vapor barrier. The DEC will re-consider closure after completed vapor barrier installation and based on dewatering system data. In case groundwater contamination remains, additional remediation might be required.

**BP AMOCO STATION #11248 (Continued)**

**S106003274**

Emailed Nick Onufrak (BP) about DEC's requirement and asked for a pre-construction meeting with BP and the new developer. (RJF)9/22/2006 - Feng - Quarterly Monitoring Report, 1Q2006, 7/27/2006, by Delta. Groundwater sampling and gauging on 1/4/2006. Groundwater depth at 6.15' to 9'. MW-1, 0.02 feet of free product. MW-6, 217 ppb BTEX, 5,290 ppb MTBE. MW-7, 394 ppb BTEX, 328 ppb MTBE. MW-8, 5.8 ppb BTEX, 1.4 ppb MTBE. (RJF)9/29/2006 - Feng - Portfolio meeting with BP and Delta. Construction on hold. The new owner couldn't get the loan from the bank due to open spill. Delta provided 2 options. Option 1, provide some data or drill some bedrock well (may not be the same fracture as previous). Option 2, close the spill based on the current data and re-open spill if contamination encountered during the construction. DEC will discuss internally about this matter. (RJF)11/7/2006 - Feng - Updates from Nick Onufrak (BP). Delta will try to install 3 wells and will collect groundwater samples. And will put all the new data into the closure petition report. (RJF) 1/22/2007 - Feng - Letter from Delta serves as Post Remedial Subsurface Hydrocarbon Assessment Report, dated 1/17/2007. On December 1 and 4, 2006, Delta has installed 3 new bedrock wells. DTW 14.05' at MW-1A, 42.54' at MW-6A, 10.22' at MW-7A. Groundwater samples collected from these 3 wells. MW-1A, 143 ppb BTEX, 1,710 ppb MTBE. MW-6A, 244 ppb BTEX, 9,480 ppb MTBE. MW-7A, 1,947 ppb BTEX, 358 ppb MTBE. Delta will continue to sample the wells on a quarterly schedule and will re-evaluate site conditions and the remedial alternatives. 4/19/2007 - Feng - Portfolio meeting with BP and Delta. RAP for Fenton or persulfate injection might be proposed. Pre-injection data, and post injection data will be collected. Injection plan will be submitted. BP is still willing to comply with the items set forth in the previous BP's letter. (RJF) 8/15/2007 - Feng - 4Q2006, 7/2/007. Groundwater sampled 12/13/2006. All 3 monitoring wells were sampled. DTW 10.22' to 42.54' bg. No LNAPI. MW-1A, 143 ppb BTEX, 1,710 ppb MTBE. MW-6A, 244 ppb BTEX, 9,480 ppb MTBE. MW-7A, 1,947 ppb BTEX, 358 ppb MTBE. (RJF)8/14/2007 - Feng - 1Q2007, 7/10/2007. Groundwater sampled 2/22/2007. All 3 monitoring wells were sampled. DTW 10.31' to 14.26' bg. No LNAPL. MW-1A, 106 ppb BTEX, 1,680 ppb MTBE. MW-6A, 189 ppb BTEX, 11,200 ppb MTBE. MW-7A, 2,432 ppb BTEX, 18.7 ppb MTBE. (RJF)10/10/2007 - Feng - Portfolio meeting with BP and Delta. The site is currently vacant. The developer planning to build 28-story hotel with 2-story basement. Removing bedrock down to 30 feet is in the plan. In the future, BP and Delta will coordinate with the new owner during the development to: 1) provide for disposal of impacted bedrock in any, 2) provide for treatment of groundwater removed during the dewatering process as needed, 3) provide for installation of vapor barrier under and around the building foundation. And prepare the closure report for completion of the subsurface remediation work. (RJF)1/15/2008 - Feng - Email to E. Larson (BP) and Delta on the requirement of RAP for the site. (RJF)1/31/2008 - Feng - Email from E. Larson and requested to close out the onsite monitoring wells, MW-1A, 6A and 7A.2/11/2008 - Feng - Approved the closure of onsite monitoring wells MW-1A, 6A and 7A since BP has done the baseline groundwater sampling on 12/18/2007. Email from E. Larson, the closure of the monitoring wells will no later than 2/22/2008. 2/27/2008 - Feng - Reviewed the Remedial Action Plan Addendum, dated 2/7/2008, prepared by Delta. The new building will consist with 2-story basement, and foundation excavation depth will be extended down to 25 feet bg. The excavated bedrock/soil will be disposed off site. A dewatering plan will be implemented and

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BP AMOCO STATION #11248 (Continued)**

**S106003274**

regular influent and effluent groundwater will be sampled for NYCDEP permit. BP will arrange onsite groundwater treatment and daily sampling if the effluent exceed NYCDEP's limit. At the conclusion of dewatering, an additional groundwater will be collected and sampled. If the contaminants level exceeded DEC standard, remediation/investigation will be arranged. 3/7/2008 - Feng - Letter is received via email from M. Ahmed (Fleming-Lee Shue). 3/17/2008 - Feng - Email is received from M. Ahmed (Fleming-Lee Shue). 3/19/2008 - Feng - Approval letter to BP and cc to Delta and Fleming-Lee Shue. (RJF)3/20/2008 - Feng - eDoc Quarterly Monitoring Report 3Q2007 and 4Q2007. (RJF)5/20/2008 - Feng - Reviewed RAP dated 4/25/2008. The site owner's development schedule is unclear at this time and the March 19, 2008 approved RAP Addendum will not be implemented at this time. It is, however, BP's desire to continue its remedial effort in bringing the spill number toward closure and therefore this RAP is proposed. The RAP details the proposed work to re-install three onsite bedrock monitoring wells and to continue implement quarterly monitoring well sampling program. As per the conversation between you and the Department staff, the scheduled investigation/remediation work are:- Monitoring wells installation will be completed by June 2008- Monitoring wells sampling will be completed by July 2008- First quarter of monitoring wells sampling will be completed by October 2008- Second quarter of monitoring wells sampling will be completed by January 2009- Evaluating the collected groundwater data and discussing the appropriate remedy by March 2009 (the RAP proposed MNA, but we will discuss whether MNA is effective or not)Approval letter to BP and cc to Delta. (RJF)6/26/2008 - 3Q2007, 2/25/2008. Vacant undeveloped lot. The monitoring well network was gauged and sampled on 9/20/2007. 3 monitoring wells. DTW 10.01' to 11.84' bg. Flows in bedrock, not determined. NO LNAPL. BTEX range 10.7 ppb (MW-1A) to 959 ppb (MW-7A). MTBE range 219 ppb (MW-7A) to 4,630 ppb (MW-6A). 4Q2007, 2/27/2008. Vacant undeveloped lot. the monitoring well network was gauged and sampled 12/18/2007. 3 monitoring wells. DTW 9.76' to 11.29' bg. NO LNAPL. BTEX range 6.3 ppb to 684 ppb (MW-7A). MTBE range 107 (MW-7A) to 4,350 ppb (MW-6A). (RJF)10/28/2008 - 3Q2008, 9/5/2008, by EnviroTrac. Currently a vacant lot. The monitoring well network was gauged and sampled on 7/2/2008. MW-1B, MW-6B and MW-7B were installed on 6/17 and 6/18/2008. Boring logs are attached. 3 wells were gauged. No LNAPL. DTW 9.08' to 43.15' bg. 3 wells were sampled. Max benzene 53 ug/L (MW-6B). Max BTEX 550.7 ug/L (MW-7B). Max MTBE 2,300 ug/L (MW-6B). (RJF)3/4/2009 - 4Q2008, 1/5/2009, by EnviroTrac. Currently a vacant lot. The monitoring well network was gauged and sampled 10/13/2008. 3 wells were gauged. NO LNAPL. DTW 9.50' to 13.52' bg. Flows in bedrock. 3 wells were sampled. Max benzene 33 ug/L (MW-6B). Max BTEX 79.2 ug/L (MW-7B). Max MTBE 980 ug/L (MW-6B). (RJF)6/8/2010 - 4Q2009, 1/8/2010, by EnviroTrac. Currently a vacant lot. The monitoring well network was gauged and sampled on 11/2/2009. 3 wells were gauged. NO LNAPL. DTW 8.62 - 11.46' bg. Unknown flow (bedrock wells). 3 wells were sampled. Max benzene 27 ug/L (MW-6B). Max BTEX 122.5 ug/L (MW-7B). Max MTBE 1,100 ug/L (MW-6B). 1Q2010, 4/2/2010, by EnviroTrac. The monitoring well network was gauged and sampled on 1/24/2010. 3 wells were gauged. NO LNAPL. DTW 9.09 - 14.83' bg. unknown flow. 3 wells were sampled. Max benzene 12 ug/L (MW-6B). Max BTEX 53.7 ug/L (MW-7B). Max MTBE 740 ug/L (MW-6B). 7/27/2010 - 2Q2010, 6/17/2010, by Delta. NO LNAPL. 3 wells. Max BTEX 24.3 ug/L (MW-7B). Max MTBE 730 ug/L (MW-6B).8/6/10 Spill case temporarily transferred from June Feng to

MAP FINDINGS

**BP AMOCO STATION #11248 (Continued)**

**S106003274**

J.A. Maisonave. - JAM11/10/10: Spill case temporarily transferred from J. Maisonave to J. Kolleeny. - JK4/11/2011 - Spill transferred back to JFeng.6/17/2011 - email to Chris Meyer of Antea Group  
 "Chris, We had some discussion about this site and we need some more information. Do you have the information on how the sampling was actually done, such as depth to water, how much water was purged, final water depth, and how did you sample?" 7/5/2011 - received 2Q2011. eDoc. Reviewed the report. The groundwater samples were collected on April 22, 2011. 3 wells were sampled. Max BTEX 31.7 ug/L (MW-6B). Max MTBE 510 ug/L (MW-6B). JF11/3/2011 - 3Q2011, 9/27/2011, by Antea Group. The groundwater samples were collected on July 8, 2011. 3 wells were sampled. MW-1B, 3.9 ug/L BTEX, 300 ug/L MTBE. MW-6B, 8.51 ug/L BTEX, 560 ug/L MTBE. MW-7B, 59.2 ug/L BTEX, 45 ug/L MTBE. 1/6/12 - Raphael Ketani. I spoke to Chris Meyer of Antea Group (800) 477-7411. He said that a closure report was written for the site and sent to the DEC in October 2011. I told him that we had not seen it. Mr. Meyer said that he will re-send it. I told him to send it to me and I will review it. 1/11/2012 - 4Q2011, 12/29/2011, by Antea Group. Groundwater samples were collected on 10/28/2011. 3 wells. MW-1B, 13.8 ug/L BTEX, 1,200 ug/L MTBE. MW-6B, 16.1 ug/L BTEX, 570 ug/L MTBE. MW-7B, 60.2 ug/L BTEX, 26 ug/L MTBE. 2/8/12 - Raphael Ketani. Nick Onufrak of BP (410) 825-8213/cell (443) 838-7143 called me today to discuss the case. Bedrock is anywhere from at the surface to 15 feet below grade. Marriott will build a hotel on the site with a parking garage 30 feet below grade. He added that sometimes the wells are dry and sometimes the water is at 7 feet below grade. He will send me the 2011 closure report for my review. 2/8/12 - Raphael Ketani. Mr. Onufrak sent the Delta 12/31/09 Remedial Action Completion Report (RACR), the Delta 11/15/10 Follow Up and Mobile Multi-Phase Extraction Event Report (MMPEE) and the Antea Group 9/27/11 Third Quarter 2011 Monitoring Report (GWMR). I reviewed all three reports. The RACR described the remaining soil contamination that was present after the tanks had been pulled and most of the soil contamination had been removed. PBS case #2-272523 indicates that 16 tanks were removed. The end point results were very high along the northern border of the property with the five story brick building. However, there was a note on the map that these results were from before this soil was removed down to bedrock. There were high hits in the endpoint samples (5/1-19/06) from SW-4 (2.5') and SW-8 (11.5'), but these were at the western sidewalk. The MMPEE report stated that 525 gallons of total liquids had been extracted from the 3 wells. The GWMR contained data from the 7/8/11 sampling round for wells MW-1B, MW-6B and MW-7B. The majority of the analytical results were non-detect to 40 ppb of total xylenes. However, MW-1B had 300 ppb of MTBE, MW-6B had 560 ppb of MTBE and MW-7B had 45 ppb of MTBE. I determined that the 7/8/11 groundwater results were not a significant issue. Though Mr. Onufrak had sent me the 2011 closure report, I could not close the spill case. Certain pieces of documentation were missing. These were an architectural plan depicting the subterranean garage, its total depth, and the inclusion of a vapor barrier. Also, the developer needed to submit a statement in a letter indicating how much more excavation will take place, whether the soil under the sidewalk will be removed, and if not removed, what they will do about any contamination under there. 5/1/2012 - 1Q2012, 3/28/2012, by Antea Group. Groundwater sampled on 1/11/2012. MW-1B, 110 ug/L MTBE. MW-6B, 1.7 ug/L benzene, 610 ug/L MTBE. MW-7B, 1.6 benzene, 15 ethylbenzene, 80 xylenes, 25 ug/L MTBE. The next sampling will be in April 2012.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BP AMOCO STATION #11248 (Continued)**

**S106003274**

Attached with the Mobile Multi-Phase Extraction Event report dated 11/15/2010 with the Remedial Action Completion Report dated 12/31/2009. Antea requests spill closure. DEC Hassan Hussein, Raphael Ketani and June Feng spoke to Mohamed Ahmed who is the consultant for the developer. He stated that they are the developer's consultant who is responsible for meeting the OER's e-designated requirement for the site. They will be overseeing whatever work that BP will be doing onsite. 5/2/2012 - email Chris Meyer for the clarification on what BP will be doing in addressing the soil (i.e. as shown in the endpoint samples SW-4 and SW-8 located at the 10th Ave and 34th Street sidewalk) and the groundwater issues (i.e. BTEX and MTBE in the monitoring wells that installed into bedrock). DEC Raphael Ketani spoke to Chris Meyer. DEC required BP to remove the soil hot spots in the sidewalk, remediate the groundwater. And restating the requirement for building plan depicting the subterranean garage, its total depth, and the inclusion of a vapor barrier. And if they could not feasibly fulfill our requirements, they need to have a statement letter stating why they can't do it. Mr. Meyer understand our requirements. 8/27/2012 - 2Q2012, 6/29/2012, by Antea Group. The groundwater was sampled 4/16/2012. The next sampling will be in 7/2012. MW-1B, BTEX ND, <0.5 MTBE. MW-6B, 27.5 BTEX, 570 MTBE. MW-7B, 93.8 BTEX, 33 MTBE.

Remarks: IMPACTED GROUNDWATER IDENTIFIED DURING INSTALLATION OF MONITORING WELLS

Material:

Site ID: 243204  
 Operable Unit ID: 852289  
 Operable Unit: 01  
 Material ID: 522687  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 0  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AT298** 527 WEST 34TH ST  
**NNE** 527 WEST 34TH ST  
**1/4-1/2** NEW YORK (County), NY  
**0.330 mi.**  
**1740 ft.** Site 4 of 4 in cluster AT

**NY LTANKS** **S112231173**  
**N/A**

**Relative:**  
**Higher**

LTANKS:

Site ID: 380286  
 Spill Number/Closed Date: 0750112 / 4/23/2007  
 Spill Date: 4/10/2007  
 Spill Cause: Tank Overfill  
 Spill Source: Commercial/Industrial  
 Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**36 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**527 WEST 34TH ST (Continued)**

**S112231173**

Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: hrpatel  
Referred To: Not reported  
Reported to Dept: 4/23/2007  
CID: Not reported  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 4/23/2007  
Spill Record Last Update: 4/23/2007  
Spiller Name: Not reported  
Spiller Company: 527 WEST 34TH ST  
Spiller Address: 527 WEST 34TH ST  
Spiller City,St,Zip: NY  
Spiller County: 999  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 329760  
DEC Memo: referred from COn Ed See also Spill #0700391duplicate spill. case closed. refer to old case.  
Remarks: Leaked from a building into Vault #3863

Material:  
Site ID: 380286  
Operable Unit ID: 1137770  
Operable Unit: 01  
Material ID: 2127726  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Gallons  
Recovered: 4  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AQ299**  
**SSW**  
**1/4-1/2**  
**0.330 mi.**  
**1744 ft.**

**177-82 10TH AVE**  
**BETWEEN 20TH & 21ST ST**  
**MANHATTEN, NY**

**NY Spills**    **S102961690**  
                          **N/A**

**Site 10 of 10 in cluster AQ**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 9708598  
 DER Facility ID: 87830  
 Facility Type: ER  
 Site ID: 98764  
 DEC Region: 2  
 Spill Date: 10/23/1997  
 Spill Number/Closed Date: 9708598 / 2/25/2003  
 Spill Cause: Human Error  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**11 ft.**

**SWIS:**

Investigator: TOMASELLO  
 Referred To: Not reported  
 Reported to Dept: 10/23/1997  
 CID: 257  
 Water Affected: Not reported  
 Spill Source: Unknown  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 10/23/1997  
 Spill Record Last Update: 2/25/2003  
 Spiller Name: HUGE GILLESPIE  
 Spiller Company: EMPIRE CITY SUBWAY  
 Spiller Address: 177-82 10TH AVE  
 Spiller City,St,Zip: MANHATTEN, NY  
 Spiller Company: 001  
 Contact Name: HUGE GILLESPIE  
 Contact Phone: (212) 242-1173  
 DEC Memo: Not reported  
 Remarks: NO FURTHER DETAILS AS OF NOW SPILL IS BEING CONTAINED AND A SPILL CLEANUP TEAM IS ON THE WAY - CALLER THINKS SOME MIGHT HAVE GOTTEN INTO A DRAIN BUT NOT SURE YET

**Material:**

Site ID: 98764  
 Operable Unit ID: 1055089  
 Operable Unit: 01  
 Material ID: 330559  
 Material Code: 0008  
 Material Name: Diesel  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 55  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

177-82 10TH AVE (Continued)

S102961690

Tank Test:

AX300  
East  
1/4-1/2  
0.330 mi.  
1745 ft.

353 WEST 30TH STREET  
353 WEST 30TH STREET  
NEW YORK, NY

NY Spills S104510727  
N/A

Site 1 of 6 in cluster AX

Relative:  
Higher

SPILLS:

Actual:  
32 ft.

Facility ID: 9930026  
DER Facility ID: 258763  
Facility Type: ER  
Site ID: 321202  
DEC Region: 2  
Spill Date: 3/10/2000  
Spill Number/Closed Date: 9930026 / 6/21/2004  
Spill Cause: Equipment Failure  
Spill Class: Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)  
  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 3/10/2000  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/10/2000  
Spill Record Last Update: 6/21/2004  
Spiller Name: JOE RESTUCCIA  
Spiller Company: CLINTON HOUSING DEVEL COR  
Spiller Address: 403 WEST 40TH STREET  
Spiller City,St,Zip: NEW YORK, NY 10001-001  
Spiller Company: 001  
Contact Name: KATHY MCPHERSON  
Contact Phone: (212) 967-1644  
DEC Memo: Not reported  
Remarks: Mrs. Mary Rose Foster recently moved into a basement apartment No. C. She observed strong odors of fuel oil. Mrs. Foster asked the superintendent about odors. The superintendent indicated that there was an oil spill/leak which occurred last year which was not cleaned up.  
  
Material:  
Site ID: 321202  
Operable Unit ID: 1093014  
Operable Unit: 01  
Material ID: 293717  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**353 WEST 30TH STREET (Continued)**

**S104510727**

Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AX301**  
**East**  
**1/4-1/2**  
**0.331 mi.**  
**1747 ft.**

**353 WEST 30TH STREET**  
**353 WEST 30TH STREET**  
**MANHATTAN, NY**

**NY Spills S104495690**  
**N/A**

**Site 2 of 6 in cluster AX**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 9401025  
DER Facility ID: 278079  
Facility Type: ER  
Site ID: 321201  
DEC Region: 2  
Spill Date: 4/21/1994  
Spill Number/Closed Date: 9401025 / 4/21/1994  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**32 ft.**

**SWIS:** 3101  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 4/21/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Tank Truck  
Spill Notifier: Other  
Cleanup Ceased: 4/21/1994  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/28/1994  
Spill Record Last Update: 5/5/2004  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"SEE Spill No. 9930026 for further information on this site.  
Not reported  
Remarks: SPILL ON BLDG. & DIRT AT VENT. CLEAN UP DONE- WILL FOLLOWUP

**Material:**

Site ID: 321201  
Operable Unit ID: 994865

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**353 WEST 30TH STREET (Continued)**

**S104495690**

Operable Unit: 01  
Material ID: 384798  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 2  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AX302**  
**East**  
**1/4-1/2**  
**0.331 mi.**  
**1750 ft.**

**APT COMPLEX**  
**350 WEST 31ST ST**  
**MANHATTAN, NY**

**NY Spills S111836115**  
**N/A**

**Site 3 of 6 in cluster AX**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 1201268  
DER Facility ID: 418346  
Facility Type: ER  
Site ID: 463953  
DEC Region: 2  
Spill Date: 5/8/2012  
Spill Number/Closed Date: 1201268 / 5/11/2012  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**34 ft.**

**SWIS:** 3101  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 5/8/2012  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/8/2012  
Spill Record Last Update: 5/11/2012  
Spiller Name: Not reported  
Spiller Company: PROPERTY OWNER  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: ROB HILL  
Contact Phone: (718) 855-7272  
DEC Memo: Spill to basement floor. No cracks, no drains, cleanup done. Repairs made to treading on fill pipe.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APT COMPLEX (Continued)**

**S111836115**

Remarks: from fill pipe - on basement floor - cleanup in progress

Material:

Site ID: 463953  
Operable Unit ID: 1214040  
Operable Unit: 01  
Material ID: 2212054  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: Not reported  
Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AU303**  
**NE**  
**1/4-1/2**  
**0.334 mi.**  
**1761 ft.**

**440 10TH AVE**  
**436 TENTH AVE**  
**NEW YORK, NY 10018**  
**Site 9 of 9 in cluster AU**

**NY Spills S102142724**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**37 ft.**

**SPILLS:**

Facility ID: 9200058  
DER Facility ID: 11535  
Facility Type: ER  
Site ID: 304198  
DEC Region: 2  
Spill Date: 4/1/1992  
Spill Number/Closed Date: 9200058 / 5/3/2002  
Spill Cause: Unknown  
Spill Class: Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)

**SWIS:**  
3101  
Investigator: JBVOUGHT  
Referred To: Not reported  
Reported to Dept: 4/2/1992  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Local Agency  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/7/1992  
Spill Record Last Update: 8/23/2005  
Spiller Name: Not reported  
Spiller Company: AMOCO GAS STA.  
Spiller Address: 432-438 10TH AVE.  
Spiller City,St,Zip: MAN, NY  
Spiller Company: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**440 10TH AVE (Continued)**

**S102142724**

Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"5/3/2002-VOUGHT- See spill #0201270 at same location, This spill closed by Vought.3/14/03 VOUGHT  
Remarks: GASOLINE SEEPING INTO BASEMENT OF 440 10TH AVE., APT. BLDG. POSSIBLY ON-GOING FOR SEVERAL MONTHS.  
Material:  
Site ID: 304198  
Operable Unit ID: 967296  
Operable Unit: 01  
Material ID: 414895  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Pounds  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AX304**  
**East**  
**1/4-1/2**  
**0.334 mi.**  
**1762 ft.**

**342 - 346 WEST 30 ST**  
**342 - 346 W. 30TH ST**  
**MANHATTAN, NY**  
**Site 4 of 6 in cluster AX**

**NY Spills** **S105235144**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**  
Facility ID: 9702357  
DER Facility ID: 108993  
Facility Type: ER  
Site ID: 126033  
DEC Region: 2  
Spill Date: 5/23/1997  
Spill Number/Closed Date: 9702357 / 6/29/1997  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
**SWIS:** 3101  
Investigator: MMMULQUE  
Referred To: Not reported  
Reported to Dept: 5/23/1997  
CID: 270  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/23/1997

**Actual:**  
**31 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**342 - 346 WEST 30 ST (Continued)**

**S105235144**

Spill Record Last Update: 3/5/2004  
Spiller Name: CALLER  
Spiller Company: MYSTIC  
Spiller Address: 1901 STEINWAY ST  
Spiller City,St,Zip: ASTORIA, NY  
Spiller Company: 001  
Contact Name: DELROY SINCLAIR  
Contact Phone: (718) 932-9075  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MULQUEEN"

Remarks: FITTING CAME LOOSE FILL BOX

Material:

Site ID: 126033  
Operable Unit ID: 1048227  
Operable Unit: 01  
Material ID: 335290  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AX305  
East  
1/4-1/2  
0.337 mi.  
1778 ft.**

**UPSCALE DEVELOPMENT  
349 WEST 30TH ST 1ST FL  
MANHATTAN, NY**

**NY LTANKS S104276873  
N/A**

**Site 5 of 6 in cluster AX**

**Relative:  
Higher**

LTANKS:

Site ID: 121309  
Spill Number/Closed Date: 9612243 / 12/31/1997  
Spill Date: 1/10/1997  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
32 ft.**

Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: MMMULQUE  
Referred To: Not reported  
Reported to Dept: 1/13/1997  
CID: 351  
Water Affected: Not reported  
Spill Notifier: Local Agency  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 1/13/1997

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UPSCALE DEVELOPMENT (Continued)**

**S104276873**

Spill Record Last Update: 1/6/1998  
Spiller Name: Not reported  
Spiller Company: CAPITOL FUEL  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller County: 001  
Spiller Contact: MAXINE WALDRON  
Spiller Phone: (212) 594-2515  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 105295  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MULQUEEN" TANK OVERFILL, RUPTURED TANK. TOLD PROPERTY OWNER TO CONTACT OIL COMPANY IN REGARDS TO REPLACING TANK. OIL COMPANY DID CLEANUP.  
Remarks: SPILL IS IN SUB BASEMENT OF BUILDING AND ODOR HAS TRAVELED THROUGH THE BUILDING - HAZ MAT IS BEING NOTIFIED

Material:  
Site ID: 121309  
Operable Unit ID: 1043759  
Operable Unit: 01  
Material ID: 340898  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AX306**  
**ESE**  
**1/4-1/2**  
**0.338 mi.**  
**1782 ft.**

**VAULT #8453**  
**325 WEST29TH STREET**  
**MANHATTAN, NY**  
**Site 6 of 6 in cluster AX**

**NY Spills S106969875**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**  
Facility ID: 0504742  
DER Facility ID: 296078  
Facility Type: ER  
Site ID: 349645  
DEC Region: 2  
Spill Date: 7/20/2005  
Spill Number/Closed Date: 0504742 / 1/9/2006  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
**SWIS:**  
3101  
Investigator: SKARAKHA  
Referred To: Not reported  
Reported to Dept: 7/20/2005

**Actual:**  
**29 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**VAULT #8453 (Continued)**

**S106969875**

CID: 444  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 7/20/2005  
 Spill Record Last Update: 1/9/2006  
 Spiller Name: ERT DESK  
 Spiller Company: VAULT #8453  
 Spiller Address: 325 WEST 29TH STREET  
 Spiller City, St, Zip: MANHATTEN, NY  
 Spiller Company: 001  
 Contact Name: ERT DESK  
 Contact Phone: (212) 580-8383  
 DEC Memo: e2mis no 159872A. Cohen #08224 discovered a possible transformer leak, V8453 Feeder 13M62. Located at 325 W. 29 St. 5 gallons of dielectric fluid on 15 gallons of water. No sewer/waterways affected. Source /cause, possible transformer leak. There is a sewer connection, sump pump is unplugged, not running. No concrete sump. Environmental tag # 38813. 2-samples taken 1-pcb and 1-oil id.

Remarks: ON WATER: NO TO 5 QUESTIONS: CONED # 159872:

Material:  
 Site ID: 349645  
 Operable Unit ID: 1107234  
 Operable Unit: 01  
 Material ID: 2097128  
 Material Code: 0541A  
 Material Name: DIELECTRIC FLUID  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 5  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**AY307**  
**ESE**  
**1/4-1/2**  
**0.338 mi.**  
**1785 ft.**

**APARTMENT BUILDING**  
**347 WEST 29TH ST**  
**MANHATTAN, NY**  
**Site 1 of 3 in cluster AY**

**NY LTANKS** **S102662670**  
**N/A**

**Relative:**  
**Higher**

LTANKS:  
 Site ID: 111829  
 Spill Number/Closed Date: 9608521 / 11/22/1996  
 Spill Date: 10/8/1996  
 Spill Cause: Tank Overfill  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

**Actual:**  
**29 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**APARTMENT BUILDING (Continued)**

**S102662670**

Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101  
Investigator: MCTIBBE  
Referred To: Not reported  
Reported to Dept: 10/9/1996  
CID: 297  
Water Affected: Not reported  
Spill Notifier: Affected Persons  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 10/9/1996  
Spill Record Last Update: 7/20/2004  
Spiller Name: Not reported  
Spiller Company: BAYSIDE FUEL OIL CORP  
Spiller Address: 1810 SHORE PRKWY  
Spiller City,St,Zip: BROOKLYN, NY 11214-  
Spiller County: 001  
Spiller Contact: SONDRA STEIN  
Spiller Phone: (212) 988-0688  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 97777  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "M  
TIBBE"Bayside cleaned.  
Remarks: CALLER IS THE APARTMENT COMPLEX OWNER AND RECIEVED A CALL FROM HER  
SUPERINTENDANT THATH THE OIL DELIVERY DRIVER SPILLED AN UNKNOWN  
AMOUNT OF OIL INTO A FLOWER GARDEN IN THE FRONT OF THE BLDG - WHEN  
THE CALLER CONTACTED THE OIL COMPANY THEY DID NOT GET BACK TO HER -  
CALLER WOULD LIKE A CALL BACK FOR MORE INFORMATION

Material:  
Site ID: 111829  
Operable Unit ID: 1039727  
Operable Unit: 01  
Material ID: 344258  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**AZ308**  
**NE**  
**1/4-1/2**  
**0.339 mi.**  
**1789 ft.**

**REAL ESTATE OFFICE**  
**440 WEST 34TH STREET**  
**MANHATTAN, NY**  
  
**Site 1 of 3 in cluster AZ**

**NY Spills**    **S108295331**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0608435  
DER Facility ID: 322130  
Facility Type: ER  
Site ID: 372402  
DEC Region: 2  
Spill Date: 10/23/2006  
Spill Number/Closed Date: 0608435 / 11/1/2006  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**40 ft.**

**SWIS:**

Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 10/23/2006  
CID: 408  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 10/23/2006  
Spill Record Last Update: 11/1/2006  
Spiller Name: JANISE OLSHAN  
Spiller Company: REAL ESTATE OFFICE  
Spiller Address: 440 WEST 34TH STREET  
Spiller City,St,Zip: MANHATTEN, NY  
Spiller Company: 001  
Contact Name: JANISE OLSHAN  
Contact Phone: (212) 362-5822  
DEC Memo: Sangesland left a voice mail for Rick Kasten at Stuyvesant Fuel asking if the work has been completed. Rick called back to say Mystic Transportation actually made the spill and then cleaned the site. PTC was on site the next day to do some tank work and Rick asked PTC to inspect the cleanup. PTC said the cleanup was done well

**Remarks:**

office was on #2 temp. tank and requested that #6 be delivered to the original tank, but the temp. tank was not disconnected ; cot yet cleaned;

**Material:**

Site ID: 372402  
Operable Unit ID: 1130144  
Operable Unit: 01  
Material ID: 2119811  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REAL ESTATE OFFICE (Continued)**

**S108295331**

Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AZ309**  
**ENE**  
**1/4-1/2**  
**0.345 mi.**  
**1824 ft.**

**430 WEST 34TH ST/MANH**  
**430 WEST 34TH STREET**  
**NEW YORK CITY, NY**  
**Site 2 of 3 in cluster AZ**

**NY Spills S104495260**  
**N/A**

**Relative:**  
**Higher**

**Actual:**  
**41 ft.**

**SPILLS:**  
Facility ID: 9008732  
DER Facility ID: 183120  
Facility Type: ER  
Site ID: 221407  
DEC Region: 2  
Spill Date: 11/9/1990  
Spill Number/Closed Date: 9008732 / 11/9/1990  
Spill Cause: Equipment Failure  
Spill Class: Not reported  
SWIS: 3101  
Investigator: SIGONA  
Referred To: Not reported  
Reported to Dept: 11/9/1990  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: 11/9/1990  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 11/14/1990  
Spill Record Last Update: 9/30/2004  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: FAULTY GAUGE, TANK OVERFILL, SUPER & DRIVER DOING CLEAN UP.

**Material:**  
Site ID: 221407  
Operable Unit ID: 949350  
Operable Unit: 01  
Material ID: 432526  
Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

430 WEST 34TH ST/MANH (Continued)

S104495260

Quantity: 3  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AZ310  
ENE  
1/4-1/2  
0.345 mi.  
1824 ft.

430 W. 34TH ST  
430 W. 34TH ST  
MANHATTAN, NY

NY Spills S104495876  
N/A

Site 3 of 3 in cluster AZ

Relative:  
Higher

SPILLS:

Facility ID: 9412760  
DER Facility ID: 216267  
Facility Type: ER  
Site ID: 265426  
DEC Region: 2  
Spill Date: 12/23/1994  
Spill Number/Closed Date: 9412760 / 12/23/1994  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Actual:  
41 ft.

SWIS: 3101  
Investigator: JMKRIMGO  
Referred To: Not reported  
Reported to Dept: 12/23/1994  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Tank Truck  
Spill Notifier: Responsible Party  
Cleanup Ceased: 12/23/1994  
Cleanup Meets Std: True  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 2/24/1995  
Spill Record Last Update: 8/21/2003  
Spiller Name: Not reported  
Spiller Company: MYSTIC TRANSPORTATION  
Spiller Address: 19-01 STEINWAY ST  
Spiller City,St,Zip: ASTORIA, NY 11105  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"  
Remarks: Not reported

Material:

Site ID: 265426  
Operable Unit ID: 1010346  
Operable Unit: 01  
Material ID: 375053

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**430 W. 34TH ST (Continued)**

**S104495876**

Material Code: 0003A  
Material Name: #6 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: Yes  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**AW311  
ENE  
1/4-1/2  
0.349 mi.  
1843 ft.**

**MANHOLE # 39774  
WEST 33RD ST/9TH AVE  
MANHATTEN, NY  
Site 2 of 2 in cluster AW**

**NY Spills S105057158  
N/A**

**Relative:  
Higher**

**SPILLS:**

Facility ID: 0101387  
DER Facility ID: 129817  
Facility Type: ER  
Site ID: 152935  
DEC Region: 2  
Spill Date: 5/5/2001  
Spill Number/Closed Date: 0101387 / 9/9/2004  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:  
40 ft.**

**SWIS:**  
Investigator: JHOCONNE  
Referred To: Not reported  
Reported to Dept: 5/5/2001  
CID: 281  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 5/5/2001  
Spill Record Last Update: 9/14/2004  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller Company: 001  
Contact Name: JIMMY FOX  
Contact Phone: (212) 580-6763  
DEC Memo:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "O'CONNELL"e2mis no. 136866:unknown oil about 10 gallons and 30 gallons of water in the structure. There is no sewer connection on conduit plate 23-E-4. Two samples are being taken waiting and cleanup

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MANHOLE # 39774 (Continued)**

**S105057158**

Remarks: is pending.Update: As of 01:00 hrs on May 6, 0. UG supervisor J.Chin reports cleanup is complet. Clean Habor's tanker took on 2,000 gal. of oil &water mixture. Also was power washed with flush truck and brushed twice with slixs. Unable to locate sample results. Structure had been cleaned as 50-499 PPM.  
ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION. SAMPLE HAS BEEN TAKENAND CLEANUP IS PENDING RESULTS. CON ED # 136866.

Material:  
Site ID: 152935  
Operable Unit ID: 838265  
Operable Unit: 01  
Material ID: 537087  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 10  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**BA312**  
**SSW**  
**1/4-1/2**  
**0.350 mi.**  
**1847 ft.**

**BERMUDA LIMOUSINE**  
**537 WEST 20TH STREET**  
**MANHATTAN, NY**

**NY Spills S104495131**  
**N/A**

**Site 1 of 5 in cluster BA**

**Relative:**  
**Lower**

SPILLS:  
Facility ID: 8703253  
DER Facility ID: 246439  
Facility Type: ER  
Site ID: 305077  
DEC Region: 2  
Spill Date: 7/22/1987  
Spill Number/Closed Date: 8703253 / 10/6/2011  
Spill Cause: Unknown  
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**7 ft.**

SWIS: 3101  
Investigator: rvketani  
Referred To: Not reported  
Reported to Dept: 7/22/1987  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Fire Department  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/27/1987

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

Spill Record Last Update: 10/6/2011  
Spiller Name: VERDI  
Spiller Company: BERMUDA LIMO  
Spiller Address: 537 WEST 20 STREET  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "DEMEO"5/10/04 - AUSTIN - TRANSFERRED FROM TOMASELLO TO DEMEO - END8/23/05 - Raphael Ketani. Case transferred to Jeff Vought.10/24/05-Vought-Contract Payment Package (National)-Monthly well monitoring, report preparation, quarterly groundwater sampling. (6/1/05-7/31/05).11/16/2005-Vought-Contract Payment Application (Severn Trent)-Quarterly groundwater sample analysis (11/1/05-11/30/05).03/07/06-Thomas- Contract Payment Package-National Env. Mgmt-Fluid level monitoring (08/01/05-09/30/05).03/16/06-Thomas-Contract Payment Package-(National)- reviewed groundwater sampling results table, sampled groundwater, monitored fluid level, reviewed and copied files, prepared site status report (10/01/05-11/30/05).03/23/06-Vought-Spoke to Greg Menegio and site summary will be submitted to DEC. No floating product on site since 3/05. Groundwater analyticals from 10/05 and 12/05 show total VOC's at highest of 450ppb. Groundwater being sampled today. Once analyticals are received, proposal for monitored natural attenuation and sensitive receptor survey will be submitted to DEC.04/18/06-Vought-Received message from Theresa Hazel (212-229-8414) and returned call and left message to return call.04/20/06-Vought-Received call from Theresa Hazel (See also Spill #0600524). Theresa Hazel lives at residence next door(545 and 547 West 20th Street and 120-126 11th ave) to 529 West 29th Street and soil boring was performed in basement and groundwater was observed with sheen. Hole was backfilled. Odors were noted when hole was opened. Foundation will stay in place. Approximate depth to water is six feet. Waterproofing in hole and three feet of concrete. No odors in buildings. One monitoring well was installed to do a tidal study in street that is 50 feet away from basement boring with no sheen. One groundwater sample was collected by Langan and will be analyzed by EPA Method 8260/8270. 04/28/06-Thomas- Contract Payment Package- (Severn)- lab analysis of MW samples (12/01/05-12/31/05).08/15/06-Vought-Received call from Bryan Schiffino (VP Valley National Bank 212-973-6641) and who is refinancing existing mortgage on 120-126 11th Avenue (property of Theresa Hazel). Langan no longer submitting report and they will not be involved in redevelopment of property. Phase I is completed by engineering company. Bryan looking for confirmation that Hazel is not source of spill. Byran may perform Phase II which may include round of groundwater samples. Bryan will contact Hazel with regards to see if Langan samples were ever collected.11/13/06-Vought-Delievering original file to AG Buss for preparation of trial set for Jan 2006.11/29/06-Vought-Contract Payment Package (National)-Monthly well monitoring (08/01/06-09/30/06)2/26/07-Vought-Contract Payment Package (STL)-Groundwater sample analysis (11/01/06-11/30/06).02/28/07-Vought-Contract Payment Package (National)-Monthly well monitoring, quarterly groundwater sampling, review of results and summary preparation (10/01/06-11/31/06).03/01/07-Vought-Contract Payment Package

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

(STL)-Groundwater sample analysis for samples received on 01/15/07 (01/15/07-01/30/07).05/07/07-Vought-Contract Payment Package (National)-Preparation of summary tables, monthly well monitoring (12/01/06-03/31/07).06/18/07-Vought-Received call and spoke to Don Middleton (Middleton Enviro 631-321-4300 fax:4349). Middleton performing Phase I for bank that may finance property for owner (Mr. Verdi). Middleton researching possible scope of work in site cleanup in reference to property financing. Vought faxed Middleton copy of spill report and instructed Middleton to file FOIL Request.08/08/07-Vought-Received call from AG Buss that he was contacted by Fern Fladell(516-255-4160) who was looking for technical guidance. Fern represents responsible party. Vought referred her to DER-10 and TAGM 4046 on public website.08/21/07-Vought-Received call from Josh Kardisch (516-255-4160) and his client (Bermuda Limo) settled with AGs office and trying to get financing for payment. Bank needs DEC guidelines for cleanup to release lien. Vought referred Kardisch to AG Buss to release liens.01/14/07-Vought-Contract Payment Package (STL)- Groundwater sample analysis (10/25/07-11/14/07).01/30/08-Vought-Spoke to AG Buss and settlement is all inclusive. Buss recommended no incurring further expense and RP taking over monitoring responsibilities. Vought to review site and contact RP to issue monitoring requirements and remedial requirements (if applicable). Vought sent email to Menegio and Beck requesting submission of latest quarterly report and cessation of all further monitoring activities.05/13/08-Vought-Contract Payment Package (National)-Preparation of tables and reports, Monthly fluid level monitoring (11/1/07-12/31/07). 05/14/08-Vought-Contract Payment Package (National)-Review of Final Status Report (01/01/08-03/29/08).07/25/08-Vought-Spill reassigned from DEC Vought to DEC Ketani as per DEC Austin.10/28/08 - Raphael Ketani. I tried to call Bill Buss, attorney, at the NYS Department of Law (518) 474-8012, but I could only leave a message. Next, I contacted Josh Kardisch (516) 255-4160 (attorney for Bermuda Limo) regarding the status of the remediation. I asked him how things were going regarding remediation of the site. He said that no remediation is required and that an agreement was reached with the AG's office. He said that I should talk to the AG's office. Mr. Buss called me back and told me to talk to Bonnie Riggi. The owner is Robert Verdi at Bermuda Limo (212) 249-8400. The situation was spilled gasoline. There was about 4 feet of floating product. As of 6/1992, Bermuda Limo had three 550 gal. gas tanks and one out of service diesel tank. The three 550 gal. tanks were pressure tested and failed. After the remote fills were fixed, the tanks passed the pressure tests. Initially in the 1990s, Mr. Verdi denied DEC access to the site. DEC installed a recovery system on site and off site in order to recover the product. The oil/water separator was installed on 7/30/87. Many monitoring wells and recovery wells were installed between West 20th Street and West 21st Street. On September 3, 1987, the Consent Order was delivered to the manager of Bermuda Limo. On 11/12/87, a site meeting was held with Mr. Verdi and Mr. Hy Hornstein. They told the DEC case manager that they get 3 deliveries a week of 12,000 gals. of gasoline. All of the tanks were removed in the early 1990s. Notes from 1992 in the case file stated that the free product was cleaned up, but the dissolved phase was high in concentration in the groundwater. By 2/18/93, the vapor recovery system was running. Ejectors were installed about 9/13/94. There is a signed IISR written on 8/31/89 and signed on 11/21/89. According to the Fenley & Nicol

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

Monitoring Reports, the last amount of oil was collected on 9/17/96, and the last visible trace of oil was seen on 9/11/97. Treatment solution injection was taking place up until 2004. According to processed bills from 2005 to 2008, the only activity that has been taking place is groundwater sampling and monitoring. The latest Site Status Monitoring Report is for the period November 2007 to January 2008. It was produced by Enviroscience Consultants, Inc. and is dated February 2008. Figure 2 depicts that the wells along West 21st Street, and 11th Avenue have all been abandoned. The wells in the R. Ferrara Moving basement have also been abandoned. A few wells along the western edge of the art gallery on West 21st Street were abandoned as well. Wells indicated as still in existence are those at Bermuda Limo and in front of the site, those at the art gallery on West 21st Street, and others in another location on West 21st Street. The wells that are monitored quarterly are: MW-1, MW-2, MW-7, MW-7A, MW-8, MW-8A, MW-9, MW-12, MW-13, MW-14, and MW-15. No product has been detected in these wells from 3/10/05 to 12/28/07. The last groundwater analytical sampling round in the summary tables (Table 2) is October 2007. High hits were detected in MW-1 (110 ppb benzene), MW-2 (110 ppb benzene, 560 ppb ethylbenzene, 120 ppb total xylenes), MW-7 (280 ppb benzene), and MW-14 (290 ppb ethylbenzene, 620 ppb total xylenes). Comments: There may be pockets of contaminated soil at the above locations. Total liquid recovery may help alleviate the contamination permanently. Additionally, it has not been explained why the wells in the art gallery property are not being monitored. It is also not known whether a BTEX or MTBE concentration map could be drawn with the additional data from the art gallery wells. 11/4/08 - Raphael Ketani. I made an unannounced visit to the area just to find the wells and to get an idea about the type of neighborhood the site is in. The site sits across from a correctional facility. To the west is the West Side Highway. Eleventh Avenue intersects the West Side Highway about two blocks to the northwest. I toured 20th Street, 21st Street, and 22nd Street. There were 6 locations on 21st Street where it looked like a well had been plugged and abandoned. There were 3 locations on 20th Street where it looked like wells had been plugged and abandoned. I located 23 wells in total. The well locations are as follows: 20th Street: 3 wells in front of Bermuda Limo at 537 W. 20th Street 1 well in front of the Anton Kern Gallery, 532 W. 20th Street 1 well in front of 545 W. 20th Street 1 well in front adjacent to Kamco Supply Corp., 507-9 W. 20th Street 21st Street: 3 wells in front of the loading docks at Manhattan Mini Storage, south side of 21st Street 4 wells across the street from Manhattan Mini Storage 3 wells in front of the Tanya Bonakdar Gallery, 521 W. 21st Street = D-MW-1, D-MW-2, R-MW-82 wells in front of the Gargosian Gallery, 522 W. 21st Street (south side of street) 1 well in front of the Paula Cooper Gallery, 534 W. 21st Street (former Hylan Electrical) 1 well across from the Paula Cooper Gallery 22nd Street: 1 well along the West Side Highway between 21st Street and 22nd Street 1 well in front of 542 W. 22nd Street 1 well in front of 544 W. 22nd Street 11/17/08 - Raphael Ketani. I spoke to Michelle Tipple (845) 256-3153, one of the previous case managers, about the site. She said that before she left the region, free product was discovered in the wells within the footprint of the electrical supply warehouse (former Hylan Electrical) which is now an art gallery on West 21st Street. She said that this site is diagonal from Bermuda, and that the treatment solution injection had pushed the gasoline over to this site and away from Bermuda. That is why the sample results show only dissolved phase at Bermuda. Ms. Tipple added

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

that an access agreement will be needed from the Office of the Attorney General. I looked up the ownership of the Paula Cooper art gallery (former Hylan Electrical). Ms. Cooper bought the Hylan Electrical company site, and combined it with another adjacent site. The address is 534 to 536 21 Street. So many wells are within the footprint of the new building. The owner is 534 West 21st Street, LLC, 465 W. 23 Street, NY, 10011. Ms. Cooper's address is also listed as 465 W. 23 Street. I called Dave Lorthioir of EnviroTrac (631) 924-3001 to try and get the state contractor on board and working on this project. However, I could only leave a message. 12/18/08 - Raphael Ketani. I e-mailed Jeff Bohlen of EnviroTrac that Randy Austin, Chief of the Spills Unit, wants us to investigate the wells OUTSIDE OF the art gallery first, before trying to gain access to the gallery. I put a copy of the e-mail correspondence in the case file. I sent Mr. Bohlen some documentation by regular mail regarding the case and the signed Standby Contractor Authorization Form. 1/7/09 - Raphael Ketani. Mr. Bohlen e-mailed me a long memo with comments regarding documentation for the site and the site's history. I e-mailed him back with answers and comments. The correspondence was printed out and is in the case file. 1/23/09 - Raphael Ketani. Mr. Lorthioir sent me an e-mail today. It stated that they looked for open, useable wells along 20th Street and along 21st Street, and inside the buildings on those streets. A total of 11 wells were sampled at Bermuda Limo and in the sidewalk in front of the business. Eight well covers were identified inside of 540 W. 21 Street - I-Beam Design. There was an unknown new monitoring well installed in the sidewalk in front of the Paula Cooper Gallery and another one in the sidewalk on the south side of 20th Street. They will sample these two, also. They may be part of a Con Ed investigation for an old MGP site that is nearby. Other than the wells they found open, there are no other wells in the streets, nor any wells in the Paula Cooper Gallery. 2/9/09 - Raphael Ketani. I reviewed the 2/2/09 analytical report for TestAmerica which contained the data for wells MW-1, MW-2, MW-14, MW-15, MW-7 MW-7A, MW-8, MW-8A, MW-13, MW-9, and MW-12. These wells were sampled on 1/15/09. The only significant hits were for benzene: 340 ppb in MW-1, 130 ppb in MW-2, 260 ppb MW-7, and 370 ppb in MW-7A. All of the other hits were usually either in the single digits, or the low to middle double digits. There were two hits of 87 ppb and 97 ppb each for other analytes. These wells are all either within the property limits of Bermuda Limo or in front of the site. I tried to contact Mr. Bohlen (631) 924-3001 to ask him why the other wells weren't sampled that were mentioned in Mr. Lorthioir's 1/23/09 e-mail, but I could only leave a message. 2/10/09 - Raphael Ketani. I spoke to Mr. Bohlen and Mr. Lorthioir regarding the site. They said that there are 8 wells within the footprint of the I-Beam Design fashion business at 538-540 W. 21 Street. They have been trying to contact the manager of the gallery, but, as of late, have had no success. They asked that I send a letter to the owner of the property in order to gain access to the wells and do the water sampling. The site address is 538-540 West 21 Street, Manhattan. The block and lot are 692 and 53. The owner is listed as Michael Unger in Property Shark at 14 Fairground Road, Hamilton, NJ, 08619. However, the owner is listed as Atlantic Foundation in ACRIS at 16 Farber Road, Princeton, NJ, 08540. I drafted a letter for Randall Austin's review (Chief of the Spills Unit) that was addressed to both parties. 2/11/09 - Raphael Ketani. Mr. Austin approved the letter and I sent the it out today. 2/20/09 - Raphael Ketani. Mr. Lorthioir called me

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

back. He said that the DEC letter "did the trick." He received a call from the manager of I-Beam. They will have access to the wells at the site sometime next week. 2/23/09 - Raphael Ketani. Mr. Lorthioir e-mailed: Just to let you know, we sampled the wells in the building behind Bermuda Limo today. One well exhibited .03 +/- feet of product. All wells exhibited petroleum odor and/or "rotten egg" odor. Several wells exhibited a bacterial mat on top of the groundwater. I e-mailed him back as to whether they had developed the wells prior to sampling, whether they would call the oil thickness a thick or thin sheen, and any other particulars about the groundwater. I also asked him to sample the wells in front of the Paula Cooper Gallery. 2/24/09 - Raphael Ketani. Mr. Lorthioir sent me the following e-mail today: Wells were purged before sampling. We also sampled the two non-DEC wells. Unfortunately we did not have a PID to screen the odors, but they were strong. With regards to the product, there was more than a sheen in that one well. It was free product and was visible in the bailer. I responded back by telling him that they need to do an indoor air vapor survey at I-Beam, better define the free product pool extent, and collect the free product. 3/2/09 - Raphael Ketani. On 2/27/09, I received the Contractor's Payment Application/Voucher Certification from EnviroTrac, Ltd. The invoice is #01.DC2018.00-1. The pay period is from 12/17/08 to 2/1/09. The invoice date is 2/2/09. The work involved included project management, gain access to five buildings and check for existing wells, gauge all wells, sample wells, use of low value equipment, use of sonic interface probe, traveling to the site, use of light duty vehicle and low value equipment. I found the payment package to be acceptable and forwarded it to the Contracts and Payments section of Albany DER. 3/5/09 - Raphael Ketani. Mr. Bohlen left me a message that there is a UST next to a well at I Beam that has product. I left a message for Mr. Bohlen that the tank system should be tested to see whether it is the source or whether the oil in the well is from the old Bermuda Limo spill. 3/9/09 - Raphael Ketani. Mr. Bohlen called up regarding the testing of the tank at I-Beam Design, 245 W. 29 Street at 7th Avenue (212) 244-7596. I told him to make the contact and speak with the super. or maintenance person. I told him to do the tank system test if they have no records regarding the tank integrity. I checked the PBS database. The tank isn't listed, which may mean that it is too small to be under DEC jurisdiction. 3/16/09 - Raphael Ketani. I received the following e-mail from Mr. Lorthioir: I just got off the phone with the environmental manager for the building behind Bermuda Limo (540 W. 21 Street). His name is Gary Heher and can be reached at (917) 756-8241. I explained the situation to him. He reviewed a Phase I report done recently and told me that the fill I had noticed was also noted in the Phase I. The current owner has owned the building for 10 years and they have always used gas and know nothing about this tank. He is going to talk to his consultant (Roux) about investigating the tank. I gave him your name and number and suggested that he notify us before performing any work to investigate this tank. Today, I received the 3/9/09 groundwater data package from Test America. The samples were taken on 2/26/09. The wells sampled were MW-A, MW-B, MW-17 to MW-26. The results for wells MW-A to MW-18, and MW-20, and MW-24 to MW-26 were almost entirely at or below TAGM. The results for MW-19 were slightly above TAGM (to 25 ppb of naphthalene). The results for MW-21 to MW-23 were from 110 ppb to 140 ppb for only one analyte in each sample, with the rest of the analytes at or below TAGM. I had no comments regarding

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

the results.3/25/09 - Raphael Ketani. On 3/24/09, I received the Contractor's Payment Application/Voucher Certification from EnviroTrac, Ltd. The invoice is #01.DC2018.00-2. The pay period is from 2/2/09 to 3/1/09. The invoice date is 3/10/09. The work included investigate, purge, and samples wells, project management, evaluate data, use of sonic interface probe, use of low value equipment, traveling to the site, use of light duty vehicle. I found the payment package to be acceptable and forwarded it to the Contracts and Payments section of Albany DER.4/2/09 - Raphael Ketani. I received the following e-mail from Mr. Lorthioir:I just wanted to keep you informed. I stopped by the site the other day to check on well MW-16, which is in the Eyebeam building. The well still exhibits 0.03 feet (3/8 inch) of product. I took a sample of the product. It smells and feels like gasoline. The suspected UST at Eyebeam(see photo) is probably fuel oil (based upon the fill).We recommend that the product sample be sent out for fingerprinting just to be sure. Let me know if you agree.Also, I found out that the "mystery well" outside of Eyebeam is associated with a Spill across the street and east of Eyebeam. There are several wells in the street and Delta was sampling them.Please let me know about the fingerprint analysis.I put a picture of the mystery well in the E-docs. 4/6/09 - Raphael Ketani. The 4/01/09 to 3/31/10 Standby Contractor Authorization Form was signed by Randall Austin, Chief of the Spills Unit, and sent to EnviroTrac. 4/13/09 - Raphael Ketani. I approved CAP #1 for invoice #22029237 dated 2/25/09 for the Test America payment package. The lab report was received on 2/9/09, dated 2/2/09 and the samples were collected on 1/15/09. The transmittal form was sent today to Michael Cruden of Albany DER. I e-mailed Andrea Indelicato of Albany DER that the package was approved.I approved CAP #2 for invoice #22029590 dated 2/26/09 for the Test America payment package. The lab report was received on 3/16/09, dated 3/9/09 and the samples were collected on 2/23/09. The transmittal form was sent today to Michael Cruden of Albany DER. I e-mailed Andrea Indelicato of Albany DER that the package was approved.4/17/09 - Raphael Ketani. On 4/16/09, I received the Contractor's Payment Application/Voucher Certification from EnviroTrac, Ltd. The invoice is #01.DC2018.00-3. The pay period is from 3/2/09 to 3/31/09. The invoice date is 4/10/09. The work involved included project and data management, use of a vacuum truck, groundwater sampling, use of the sonic interface probe, scheduling EFR, traveling to the site, use of light duty vehicle and low value equipment. I found the payment package to be acceptable and forwarded it to the Contracts and Payments section of Albany DER.4/22/09 - Raphael Ketani. Today I received an e-mail from Mr. Lorthioir regarding the analysis of an oil sample taken from well MW-16 in the building behind Bermuda Limo. The fingerprint analysis indicates that the oil is gasoline, not #2 oil or other heating oil as was expected (since a previously unknown tank was found).4/27/09 - Raphael Ketani. Mr. Lorthioir sent me the following e-mail today:We received the fingerprint analysis for the product found in MW-16(which is located in the building behind Bermuda Limo, 540 W. 21 Street). The analysis indicated that the product is weathered gasoline. There appears to be a UST under 540 W. 21 Street, but judging from the type of fill pipe present it appears to be an old fuel oil tank. We have asked the environmental consultant for the owner of the building (Roux) to provide us with a copy of a recent Phase I ESA (you were cc on three-mail request). Hopefully this report will provide us with some more information.5/14/09 - I approved CAP #3 for invoice #22030010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

dated 4/30/09 for the Test America payment package. The lab report was received on 5/14/09, dated 4/22/09, and the samples were collected on 4/3/09. The transmittal form was sent today to Michael Cruden of Albany DER. I e-mailed Andrea Indelicato of Albany DER that the package was approved. 5/21/09 - Raphael Ketani. On 5/20/09, I received the Contractor's Payment Application/Voucher Certification from EnviroTrac, Ltd. The invoice is #01.DC2018.01-4. The pay period is from 4/1/09 to 5/3/09. The invoice date is 5/8/09. The work involved included project and data management, review report and correspondence with DEC staff, groundwater sampling, land surveying, drum recovered liquids, traveling to the site. I found the payment package to be acceptable and forwarded it to the Contracts and Payments section of Albany DER. 6/12/09 - Raphael Ketani. I received the 6/11/09 Test America Analytical Report for groundwater samples that were collected from 5/26/09 to 5/27/09. Twenty four wells were sampled for VOCs. Wells MW-2, MW-7, MW-7a, MW-13, MW-15, MW-22, and MW-23 had one to four hit in the hundreds of parts per billions. Wells MW-2 to MW-7a are in the footprint of the Bermuda Limo itself. Wells MW-14, MW-16, MW-21, and MW-24 had 2 to 5 hits in the thousands of parts per billions. Well MW-14 had hits up to 20,000 ppb. As there is no current map for the present well numbering system, it is not known where these hot spots are. I have again requested that EnviroTrac supply DEC with a current map. 6/30/09 - Raphael Ketani. I received the Contractor's Payment Application/Voucher Certification from EnviroTrac, Ltd. The invoice is #01.DC2018.01-4. The invoice is being resubmitted. This is the same invoice as was previously processed and submitted on 5/21/09. The Contracts Unit had sent the first one back to EnviroTrac because they failed to include the proper form of page two, as was required by the contract. The pay period is from 4/1/09 to 5/3/09. The invoice date is 6/26/09. The work involved included project and data management, review report and correspondence with DEC staff, groundwater sampling, land surveying, drum recovered liquids, traveling to the site. I found the payment package to be acceptable and forwarded it to the Contracts and Payments section of Albany DER. 7/2/09 - Raphael Ketani. Today, I received the Contractor's Application for Payment for work performed by EnviroTrac Ltd. The work period is from 5/4/09 to 5/31/09. The invoice number was 01.DC2018.01-5. The invoice date is 6/30/09. The work consisted of project management, gauging, purging and sampling monitoring wells, sample management, data entry, evaluation and reporting, work plan development, purge water removal, use of low value equipment, sonic interface probe, submersible pump, and light duty vehicle. The packages were found to be acceptable and were sent to the Contracts and Payments Section of DER. 7/9/09 - Raphael Ketani. Today, I received the Contractor's Application for Payment for work performed by Test America. The invoice number was 22030509. The invoice date is 6/29/09. The work consisted of processing groundwater samples that were collected on 5/26/09 and 5/27/09. The package was found to be acceptable and Andrea Indelicato in the Contracts and Payments Section of DER was notified of the acceptance of the Pay Package. 7/16/09 - Raphael Ketani. Today, I received the Contractor's Application for Payment for work performed by EnviroTrac Ltd. The work period is from 6/1/09 to 6/28/09. The invoice number was 01.DC2018.01-6. The invoice date is 7/13/09. The work consisted of CADD and GIS updating, figure creation, internal meetings, project management, create status report, data evaluation, and vacuum liquid from wells. The packages were found to be acceptable and were sent to

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

the Contracts and Payments Section of DER. I tried to contact Mr. Bohlen of EnviroTrac to discuss the case, but could only leave a message. Later, Mr. Lorthioir of EnviroTrac (631) 924-3001 called me back. We had a very long conversation regarding the site, what was actually happening in the subsurface, and what to do about the contamination. Mr. Lorthioir stated that they sampled a large number of wells, but they will not sample so many in the future as it wasn't necessary. He said that, at a couple of locations, free product appeared. At MW-14, the total BTEX contamination was about 100 ppb, but the sample from the next round had 45,000 ppb of total BTEX. He doesn't know why. I suggested that there may be some tidal influence as the site is one block east of the Hudson River bulkhead. I also suggested that the free product bubbles may be coming and going as things are sloshing around underground due to the tidal fluctuations. He said that this sounded possible. I told him to check out the tidal range. Mr. Lorthioir also added that the people at I Beam told him that they have had trouble with their sanitary sewer for some time. It gets clogged. I suggested to Mr. Lorthioir that they may be contributing water to the environment underground and that their pipes may be partially collapsed with sediment inside. He said that this, too, was possible. He said that the report for the site is almost finished and that once his assistant gets back from vacation, then she will finish it and the DEC will receive the report in a couple of weeks. I told Mr. Lorthioir to send DEC a plan for installing two additional wells across the street from I Beam on 21st Street and two wells to the west of I Beam. He said that he will do this and that there is a Well B to the east which he can also use to get a better handle on the subsurface conditions and whether the plume is moving. Mr. Lorthioir ended the conversation by stating that the next round of sampling will be in August. He said that after we get the results back from this round, then we can decide what the best course of action should be for resolving the contamination. I submitted a revised Standby Contractor Authorization Form for EnviroTrac to Randall Austin, Chief of the Spills Unit, for his signature. EnviroTrac has already spent over \$13,000 and the revised budget is for \$20,000. Mr. Austin signed the SCAF and it was sent out today. 8/14/09 - Raphael Ketani. Mr. Lorthioir sent me an e-mail stating that Mr. Rivera, the site manager at Bermuda Limo, was complaining of foul, septic odors coming from the groundwater in his sump. Mr. Rivera was concerned that this was an unhealthful situation. Mr. Lorthioir also wrote that there is blue coloring on the pipes to the heating system. I wrote that the odors are probably annoying, but not unhealthful. I added that the blue coloring on the pipes of the heating system is simply corrosion. I wrote Mr. Lorthioir that he should tell Mr. Rivera to get the heating system repaired so that the liquids it contains don't spill out and contaminate the groundwater. I also wrote that EnviroTrac should sample the sump water for VOCs and SVOCs each time the wells are sampled, unless there is a well nearby. 8/19/09 - Raphael Ketani. Today I received the DRAFT Site Status Monitoring Report dated 8/17/09. I began my review. When comparing Figure 6 (BTEX/MTBE/Total VOCs for February 2009) with Figure 7 (BTEX/MTBE/Total VOCs for May 2009), there are large increases for the BTEX concentrations for many wells, in particular MW-14 (36,310 ppb). Though there are also some decreases. The reason for these changes is not readily explainable. When Figure 8 (Plume Map for January/February 2009) is compared to Figure 9 (Plume Map for May 2009), one can see a four fold increase

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

in the plume. This also is not readily explainable. In Figure 10, EnviroTrac proposes to install two (2) wells along West 21st Street and three (3) wells along 11th Avenue in order to better delineate the plume and to understand the contamination in the subsurface. It is not certain that this is necessary at this time. However, EnviroTrac recommended the following: 1) installing additional wells in the vicinity of MW-16 in order to better understand the origin and path of the free product 2) installing wells to the north and west in order to delineate the current plume characteristics 3) a vapor survey is suggested for the Eye Beam facility in order to determine whether there are any impacts from the groundwater and free product. If impacts are discovered, then a vapor mitigation system should be installed 4) the use of RegenOx is suggested in order to fully remediate the groundwater 8/20/09 - Raphael Ketani. Today I received the final version of the Site Status Monitoring Report dated 8/17/09. This final version had the same information as the DRAFT, but without the analytical package at the end. 8/25/09 - Raphael Ketani. I discussed the DRAFT Site Status Monitoring Report with Mr. Lorthioir. I told him that the DEC does not want more wells installed, nor the use of any treatment chemicals at this point in the project. However, I did tell him to do a PID meter survey of the ambient air in the Eye Beam facility. Mr. Lorthioir said that he will. I told him to let DEC know very quickly what the conditions are if he gets detections that are of concern. We discussed the rest of the case. Mr. Lorthioir said that he wasn't sure why the January/February 2009 BTEX Plume Map was so different from the May 2009 BTEX Plume Map. He had no explanation, except to say that the May groundwater samples revealed that certain wells had very large increases in their BTEX concentrations. He added that this affected the contouring isograds. I told Mr. Lorthioir that the case file reports from Fenley & Nicol had boring logs and that they showed the subsurface to be artificial fill with concrete over silty sand at almost every location. I told him that the subsurface seems to be pretty uniform. So this shouldn't affect the groundwater flow in such a way that a large plume would form during one period. Mr. Lorthioir pointed out that there are troughs in both maps and that this suggests that there is tidal influence. I told Mr. Lorthioir that the Fenley & Nicol reports indicated a definite tidal influence. I told him that this trough is consistently trending northwest-southeast and suggests the influence of some type of channel. I added that the same reports state that Bermuda Limo has had housekeeping issues in the past. I told Mr. Lorthioir that the sudden increase in BTEX concentration at MW-14 could be the result of something being introduced to this well by seeping past the well cover. I told him that they may have parked a car over the well and the car was leaking. Mr. Lorthioir told me that MW-14 had construction equipment parked over it because a company was adding two floors to the building next to Bermuda Limo. I told Mr. Lorthioir that this sounded like the most probable reason. Lastly, I told Mr. Lorthioir that, in the future, he has to include a current groundwater gradient map with each plume map so that the DEC can better understand what is taking place in the subsurface. 9/3/09 - Raphael Ketani. Mr. Lorthioir sent me the following e-mail today: With regard to #1 (below) BTEX in MW-15 showed a major decline while MW-14 is still over 20,000 ppb. With regard to #2, MW-16 still exhibits elevated BTEX concentrations while MW-21 has fallen. The shape of the plume has changed again, due to some of the outer wells falling below the 15 ppb threshold we are using for our outer contourline. The

MAP FINDINGS

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

plume is now shaped like an hour glass. The preliminary review of the new data indicates that there is no real pattern, with BTEX in some wells falling and rising in others. This opinion may change once we finish all maps and hydrographs, but it is starting to look like this is not going to be a quick fix. 9/9/09 - Raphael Ketani. Yesterday I received the 8/31/09 Analytical Report from TestAmerica. I reviewed the report. The samples were collected on 8/13/09 and 8/14/09. They were analyzed on dates from 8/21/09 to 8/26/09. MW-14 had TEX of 23,500 ppb, with other analytes in the triple digits and one at 3100 ppb. MW-16 had BTEX of 6701 ppb, with one hit at 5400 ppb and the others at 2 and 3 digit hits. MW-B, MW-D, MW-8, MW-9, MW-15, MW-17 to MW-20, and MW-26 had one double digit hit with the rest at or below TAGM. The other groundwater samples had a number of hits in the double and triple digits. Today, I received the Contractor's Application for Payment for work performed by EnviroTrac Ltd. The work period is from 6/29/09 to 8/2/09. The invoice number was 01.DC2018.01-7. The invoice date is 8/28/09. The work consisted of project management, CADD updating, updating reports and figures, data evaluation, communication with DEC staff. The packages were found to be acceptable and were sent to the Contracts and Payments Section of DER. 10/8/09 - Raphael Ketani. I approved the 9/30/09 invoice for \$1767.57 for the Test America payment package. The lab report was dated 8/31/09 and the samples were collected on 8/13/09 and 8/14/09. The transmittal form was sent today to Michael Cruden of Albany DER. I e-mailed Andrea Indelicato of Albany DER that the package was approved. 10/19/09 - Raphael Ketani. I received the Contractor's Application for Payment for work performed by EnviroTrac Ltd. The work period is from 8/3/09 to 8/30/09. The invoice number was 01.DC2018.01-8. The invoice date is 9/28/09. The work consisted of project management, CADD updating, updating reports and figures, data evaluation, project coordination, discussion with DEC staff regarding project, purge and sample 12 monitoring wells, collection of contaminated water, and use of low value equipment, light duty vehicle, sonic interface probe, and submersible pump. The packages were found to be acceptable and an e-mail was sent to Lisa Lagasse in the Contracts and Payments Section of DER approving the package. 10/21/09 - Raphael Ketani. I submitted a revised Standby Contractor Authorization Form to Randall Austin, Chief of the Spills Unit, for his signature. He signed it and the original was mailed to EnviroTrac. 10/29/09 - Raphael Ketani. I talked to Mr. Lorthioir today (631) 924-3001. We discussed what has been observed at the site and the analyte concentrations. We decided that a total of several wells should be installed along West 21st Street and along 11th Avenue. Mr. Lorthioir said that he will send DEC a site plan showing the location of the proposed wells. 11/3/09 - Raphael Ketani. I received the Contractor's Application for Payment for work performed by EnviroTrac Ltd. The work period is from 8/31/09 to 9/27/09. The invoice number was 01.DC2018.01-9. The invoice date is 10/19/09. The work consisted of project management, CADD figure and file updating, data evaluation, perform QA/QC review and edit 9/8/09 status report, collection of contaminated water and oil, replace absorbent pigs, and survey groundwater elevations. The package was found to be acceptable and an e-mail was sent to Lisa Lagasse in the Contracts and Payments Section of DER approving the package. 12/29/09 - Raphael Ketani. Mr. Lorthioir sent me a cost estimate for installing 5 wells at the site. Three wells would be along 11th Avenue and two would be along West 21st Street. 12/31/09 - Raphael Ketani. Today I received the 12/30/09

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

analytical data package from TestAmerica for the 26 groundwater samples that were taken. Analyte hits were high (i.e. up to 5900 ppb of 4-isopropyltoluene) for MW-9, MW-14, and MW-16. Several samples had up to a few hits in the several hundred ppb range. MW-14 and MW-16 were by far the most contaminated samples. 1/4/10 - Raphael Ketani. Ms. Sanagorski sent me a drawing by e-mail depicting the proposed locations of 5 new groundwater monitoring wells. I responded back by e-mail that the proposed locations along 21st Street should be moved just slightly east, and that the locations along 11th Avenue should be moved a little south. 1/6/10 - Raphael Ketani. Ms. Sanagorski sent me the revised map showing the proposed locations of the 5 new wells. She also asked that I send EnviroTrac a DEC well installation letter. I sent an e-mail approving the well locations with the well installation letter attached. I sent the original letter by regular mail. 1/8/10 - Raphael Ketani. Ms. Sanagorski sent me an e-mail that the diameter of each of the 5 wells will be 2 inches. I wrote back that this will be alright. 1/11/10 - Raphael Ketani. I received the Contractor's Application for Payment for work performed by TestAmerica. The work period is from 12/14/09 to 12/31/09. The invoice number was 22032439. The invoice date is 12/31/09. The work consisted of processing groundwater samples and testing them for VOCs. The package was found to be acceptable and an e-mail was sent to Andrea Indelicato in the Contracts and Payments Section of DER approving the package. 2/2/10 - Raphael Ketani. The installation of the 5 additional wells took place today as planned. There were no problems installing the wells along West 21st Street, nor along 11th Avenue. The materials encountered consisted of either dark gray to black historical fill or yellow brown to medium brown sand. There were no odors. All of the wells reached the local water table. There was an odor of hydrogen sulfide from the groundwater. 2/5/10 - Raphael Ketani. I received the Contractor's Application for Payment for work performed by EnviroTrac Ltd. The work period is from 10/1/09 to 1/3/10. The invoice number was 01.DC2018.01-10. The invoice date is 1/20/10. The work consisted of project review and coordination, report review, calculate estimated costs for the installation of five new wells, e-mails to DEC case manager, enter gauging data, travel to the site, gauge 24 wells, sample 24 wells, sample management, enter gauging data into database, hire AARCO to vacuum and dispose of contaminated water and oil mix, use of light duty vehicle and low value equipment, purchase supplies. The package was found to be acceptable and an e-mail was sent to Lisa Lagasse in the Contracts and Payments Section of DER approving the package. 2/25/10 - Raphael Ketani. I received a call today from Kerri Folb, attorney at Kramer & Levin (212) 715-9208. She wanted to ask about the status of the site and the spill case. I asked her who she represented. She said a potential buyer. She asked a number of questions regarding whether the investigation was over and whether the remediation was completed. I told her that 5 wells were installed a few weeks ago in order to get a better idea regarding what is taking place in the subsurface. I told her that the investigation is far from over. She asked when I thought the project would end. I told her that DEC doesn't see an end to the investigation anytime soon. I added that I foresee the project continuing for more than a year. She said that she was told the remediation was completed. I told her there is still gasoline dissolved in the groundwater under Bermuda Limo and a neighboring property. I told her that DEC is still monitoring this contamination. She said that the present owner had

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

reached an agreement with New York State. She said that she saw papers showing that the owner paid the \$2,000,000 penalty and interest. I told that the owner never did and that we have no documentation indicating that he will. I told her that if her client buys the property, then the State can and may hold both her client and the present owner liable for the costs of the investigation and remediation. After this she hung up the phone.3/2/10 - Raphael Ketani. James Tamborlane of Murray Hill Properties (his real estate broker; (212) 763-3531) called to inquire whether Mr. Verdi had any outstanding invoices. He referred to the 8/17/09 Site Status Monitoring Report that was submitted to the DEC by EnviroTrac. I told him that EnviroTrac was the state contractor and that they will sample all of the wells in the very near future. I told Mr. Tamborlane that there is still contamination in the groundwater and the DEC needs to see the concentrations. I added that the DEC has not gained a clear idea regarding what is happening in the subsurface. So, the work will continue. I added that Mr. Verdi may be making payments to the OAG, but that he has not reached an agreement with them. He still has fines and or penalties to pay.3/4/10 - Raphael Ketani. Hillary Semel of John Curran P.C. (212) 508-6736 called today. She said that she was the lawyer for the prospective buyer. She asked what the buyer would be responsible for regarding the site. I explained to her the present site conditions and stated that her client would be held liable by DEC for the complete remediation of the site. I added that this would entail collecting any free product, collecting the contaminated groundwater, possibly treating the contaminated groundwater, removing the contaminated sediment, abandoning all of the wells within the neighboring properties and in the sidewalks, and the replacement of about 15 sidewalk flags that have been either penetrated by well installations or damaged in the course of the investigation and remediation for this project. She said that she understood and would give the information to her client.3/8/10 - Raphael Ketani. I received the Contractor's Application for Payment for work performed by EnviroTrac Ltd. The work period is from 1/4/10 to 1/31/10. The invoice number was 01.DC2018.01-11. The invoice date is 2/25/10. The work consisted of project review and coordination, update CADD figures and file, permit preparation, permit management, modification of tables and figures, enter lab data, calls to driller to finalize plans, and drilling and sampling management. The package was found to be acceptable and an e-mail was sent to Lisa Lagasse in the Contracts and Payments Section of DER approving the package.3/10/10 - Raphael Ketani. I spoke to Mr. Lorthioir today. He said that they finished up the latest round of groundwater sampling yesterday, 3/9/10. The samples are at the laboratory. They are also finishing up the next progress report to DEC.3/17/10 - Raphael Ketani. Today I received the 3/12/10 groundwater analytical report from TestAmerica for the 18 samples that were collected on 2/23/10. I reviewed the report. A few samples had one hit each that was well above TAGM. However, the other analytes in each of these samples were either about TAGM or well below the limit. Most of the other samples had some analytes in the middle double digits with others at or below TAGM. A small number of samples were almost entirely below TAGM.3/19/10 - Raphael Ketani. Today I received the 3/18/10 groundwater analytical report from TestAmerica for the 11 samples that were collected on 3/3/10. I reviewed the report. The sample from well MW-16 had three hits that were in the high three digit range. However, the rest of the analytes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

for this sample were about or below TAGM limits. The ten other samples had hits that were either non-detect, below TAGM, or a little above TAGM. 4/6/10 - Raphael Ketani. I received the Contractor's Application for Payment for work performed by EnviroTrac Ltd. The work period is from 2/1/10 to 2/28/10. The invoice number was 01.DC2018.01-12. The invoice date is 3/22/10. The work consisted of calls to NYC DOT representative to schedule well location siting, meet DOT representative to mark prospective well installation locations, prepare for drilling at site, sample preparation, project coordination, CADD figure and file updating, figure and data table management, updating figures and report, site coordination activities, oversight for installing 5 monitoring wells, meet with DEC on site, well development, gauge and sample 18 monitoring wells, sample management, data management, travel to and from site, use of automobiles, light duty vehicle low value equipment, PID meter, submersible pump, sonic interface probe, purchasing of supplies, use of subcontractor Associated Environmental Ltd as well installer. The package was found to be acceptable and an e-mail was sent to Lisa Lagasse in the Contracts and Payments Section of DER approving the package. 4/8/10 - Raphael Ketani. I received the Contractor's Application for Payment for work performed by TestAmerica. The work period is from 3/4/10 to 3/4/10. The invoice number was 22032979. The invoice date is 3/22/10. The work consisted of analyzing 29 groundwater samples for VOCs and SVOCs that were collected from 2/23/10 to 3/3/10. The package was found to be acceptable and an e-mail was sent to Andrea Indelicato in the Contracts and Payments Section of DER approving the package. 4/9/10 - Raphael Ketani. I checked ACRIS and found out that the site had been sold to DZ 20th Street, LLC, 525 West 19th Street, NY, 10011. The date of the new deed is 3/25/10, and it was filed on 3/31/10. The attorney for the new owner is Theodore Marx at Morris and Cohen (212) 735-8637. I tried to reach Mr. Marx, but could only leave a message. 4/13/10 - Raphael Ketani. Christine Leas (leese) (646) 378-7267 from Sive Paget and Riesel, attorney for the owner of DZ 20th Street, LLC, called regarding the site. She said that she had just been given the project. The site will be turned into a 3 story art gallery with a slab on grade. There will be no subgrade construction. She said that this is what David Zwirner (DZ 20th) wants. He has another art gallery nearby. Ms. Leas said that Mr. Marx was just the attorney who put together the sale. ROUX Associates has been contacted and they are beginning to look at the Bermuda Limo project. The contact there is Nathan Epler in the Bohemia office. She added that ROUX has another project next door. It is a separate plume that is emanating from a taxi cab company at 20th Street and 10th Avenue. I asked her to find out the spill or DER case number and who the DEC case manager is. She said that she will do this. Ms. Leas will make a FOIL request for all documents that were submitted to DEC after the last document she has on the CD that was given to her. I told her that the DEC is of the understanding that there will be excavation of the site and environmental monitoring. She said that, as far as she knows, there will be just a building with a slab on grade. I told her that, in any event, there will have to be remediation and monitoring of the contamination. She said that she understood. Ms. Leas will be in touch later. Ms. Leas sent me an e-mail today. It contained the following message: As discussed, my firm represents the new owner of this property, DZ 20th Street LLC, in connection with the open spill number. It was reassuring to hear from you that there are no pending

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

or planned investigation activities on this spill and that we can work together to chart a path to closure. I've copied Ted Marks at Morrison Cohen who represents DZ 20th St. in connection with the purchase of this property and its planned redevelopment, along with Tracy Nolder at DZ 20th St. Here's the requested information on the site at the end of the block at 21st and 10th Ave: 510 W. 21st Street Spill No. - Spill #0012876 NYSDEC Case Mgr. - Andre Obligado 4/22/10 - Raphael Ketani. Jessica Steinberg of Sive Paget & Riesel sent a FOIL request to Fawzy Abdelsadek, the FOIL Officer of the Region 2 Office of General Counsel. 4/30/10 - Raphael Ketani. Ms. Leas (646) 378-7267 called me today. She asked for a meeting to discuss the case. She said that she would like to meet when the owner, she, and the consultants can all be present. I suggested the week of May 17 or the week of May 24. She said that sounded alright and that she will talk to all of the involved parties. I told Ms. Leas that, as far as DEC knows, the gasoline tanks have never been cleaned out and properly abandoned in place. She said that she will make sure that the tanks are abandoned properly. I added that if there is contaminated soil around the tanks, then the groundwater will never clean up and the project will not end. Therefore, any contaminated soil should be removed. Ms. Leas said that she understood. She said that this Monday, May 3, Langan Engineering will conduct geotechnical soil borings in the front of the property. Ms. Leas added that staff from Roux Associates will be on hand to look at the soil cores that are recovered. There will not be an environmental investigation at this time. Roux needs to get up to speed on the project by reviewing the documentation that will be received from DEC via the FOIL request. She also asked that I find out for her how long the FOIL request will take to process. I told her that I will. With that, the conversation ended. I checked the PBS registration for the site. It is #2-349402 and lists 4 550 gal. gasoline USTs. The USTs were closed in place on 1/1/94. According to the case notes (10/28/08), when the tanks were tested many years ago, they initially failed. However, when the remote fills were repaired, the tanks passed. Ms. Leas sent me an e-mail that 5/17/10 at 10AM would be fine for having the case meeting. So we agreed upon this time and date. 5/17/10 - Raphael Ketani. The meeting with Ms. Leas, Nathan Epler and Chris Battista of Roux Associates, and David Zwirner, the owner, took place as scheduled. It was agreed upon that Roux would submit a work plan regarding the additional soil borings that they will conduct within the footprint of the Bermuda Limo property. They will also submit a plan for the groundwater monitoring. Mr. Battista suggested sampling only some of the wells under the Eye Beam property in order to avoid redundancy - particularly to avoid wells that consistently have results at or below TAGM. I told Mr. Batista that would be fine, but to indicate that we agreed to this in the groundwater monitoring plan. Also, I suggested doing a couple of borings in the street near MW-14 (the hot spot) and MW-2 to see whether the gasoline contamination had traveled off site. Mr. Battista agreed to do this as part of the larger boring plan. I mentioned that any contaminated water that is encountered will have to be managed appropriately. Ms. Leas, Mr. Epler and Mr. Batista assured me that it would be. I asked Mr. Zwirner whether anyone would be living at the art gallery and whether there would be a day care center or a senior center. He said that there would be apartments at the site, nor any facilities for sensitive individuals. The issue came up regarding whether there were still tanks under the site. I

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

told Mr. Epler and Mr. Battista that the case notes aren't clear in this regard. I suggested to Mr. Batista that Roux do a geophysical survey to sense whether there are tanks below the slab. He said that he will. I stated that all of the samples should be run via methods 8260B and 8270C and that the results should be compared to TAGM 4046. Mr. Battista agreed to this. The construction of the new building was discussed and the preliminary drawings were presented by Mr. Battista. The old building will be demolished and a building that is largely one story will be constructed. It will have an "L" shaped section that will rise to three stories. The entire building will still be a slab on grade. It will have an elevator and footings for the three story section. Following the discussions listed above, some notification and communication issues were agreed upon and the meeting ended. Later, Mr. Lorthioir sent me an e-mail with a diagram showing the proximity of a former MGP site to Bermuda Limo (directly across the street). Mr. Lorthioir stated that he had worked on such sites and that the waste from MGP sites is usually high in benzene. Hence, this may be the source of the benzene that is seen in the samples from MW-14.5/19/10 - Raphael Ketani. I received the Contractor's Application for Payment for work performed by EnviroTrac Ltd. The work period is from 3/1/10 to 3/31/10. The invoice number was 01.DC2018.01-13. The invoice date is 4/21/10. The work consisted of project coordination and management, sampling and purging of 22 wells, prepare to survey wells and survey wells, work on survey results, entering gauging data and updating tables, modifying tables and entering lab data, data management and evaluation, calls to lab staff, revising figures and preparing update report and creating figures, modifying tables and figures, review latest data and map and discuss with ES updating CADD figures and files, e-mails to DEC, travel to and from site, AARCO vacuumed liquid from wells, disposal of liquid, light duty vehicle low value equipment, submersible pump, sonic interface probe, purchasing of supplies. The package was found to be acceptable and an e-mail was sent to Lisa Lagasse in the Contracts and Payments Section of DER approving the package.5/26/10 - Raphael Ketani. Mr. Battista sent me an e-mail recounting the issues that were discussed at the 5/17/10 meeting.5/27/10 - Raphael Ketani. The Standby Contractor Authorization Forms for the latest budget increases for EnviroTrac and TestAmerica were approved by Randall Austin, Chief of the Spills Unit, and sent to the respective contractors.6/8/10 - Raphael Ketani. I received the Contractor's Application for Payment for work performed by EnviroTrac Ltd. The work period is from 4/1/10 to 5/2/10. The invoice number was 01.DC2018.01-14. The invoice date is 5/19/10. The work consisted of project coordination and management, work on the project report, update CADD figure and file, prepare updated elevation map, update groundwater gradient map, modify tables. The package was found to be acceptable and an e-mail was sent to Lisa Lagasse in the Contracts and Payments Section of DER approving the package.6/14/10 - Raphael Ketani. I received the Supplemental Site Assessment Work Plan (soil boring work plan) dated 6/11/10 from Mr. Battista. I reviewed the plan and had no comments, except that SB-1 should be performed just south of MW-14.6/30/10 - Raphael Ketani. Mr. Epler of Roux Associates (631) 232-2600 sent me the June 29, 2010 proposed groundwater monitoring plan. Roux plans to use 14 wells to monitor the groundwater. However, none of the wells along 11th Avenue will be used in the array. Samples from these wells have had very low analytical results. Well sampling will take place in July and

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

October. I found the plan to be acceptable and e-mailed back that Roux should proceed as described.7/9/10 - Raphael Ketani. I received the Contractor's Application for Payment for work performed by EnviroTrac Ltd. The work period is from 5/3/10 to 5/30/10. The invoice number was 01.DC2018.01-15. The invoice date is 6/23/10. The work consisted of project coordination and management, work on the project report, update CADD figure and file, update tables and figures, modifying figures in report, reviewing and proofreading report. The package was found to be acceptable and an e-mail was sent to Lisa Lagasse in the Contracts and Payments Section of DER approving the package.7/12/10 - Raphael Ketani. Mr. Austin approved the SCAF on 7/9/10 and it was sent out today.I tried to Mr. Epler of Roux Associates (631) 232-2600, but I could only leave a message. 7/14/10 - Raphael Ketani. Mr. Battista called with an update about work at the site. He said that the borings will take place sometime in August 2010. He said that they have to coordinate a number of things in order to do the work. Roux Associates will enter I-Beam on 7/26/10 in order to do the groundwater sampling. The company Bermuda Limo is concerned about the noise that will be generated by the geoprobe drilling. They believe that it will interfere with them receiving customer phone calls. Their personel will be temporarily moved so that they can operate their business.7/29/10 - Raphael Ketani. I received the Contractor's Application for Payment for work performed by EnviroTrac Ltd. The work period is from 5/31/10 to 7/4/10. The invoice number was 01.DC2018.01-16. The invoice date is 7/15/10. As this CAP 12 exceeded the budget for work at this site, I informed Steve Karwiel of DEC Contracts that Region 2 Spills was not going to authorize payment of this bill.8/3/10 - Raphael Ketani. Mr. Battista (631) 232-2600/cell (516) 250-0382 called yesterday. I spoke to him today. He said that he intends to do a GPR survey this thursday in preparation for installing the soil borings at Bermuda Limo. The borings will be done this weekend in order to minimize disruption to the business. ROUX will attempt to do groundwater sampling at I-Beam this monday or a week from this monday. Right now, ROUX has an expeditor working on obtaining the sidewalk and street opening permits for the soil boring work.8/6/10 - Raphael Ketani. Mr. Battista sent me an e-mail stating that the GPR survey and the utility markouts were done yesterday. The additional borings will be performed this weekend. Boring B-4 can't be installed as the tanks are further south than were known to be. So, boring B-3 will substitute for B-4.8/12/10 - Raphael Ketani. Mr. Karwiel sent me a copy of a letter informing EnviroTrac why the DEC was not going to pay certain bills.8/16/10 - Raphael Ketani. Mr. Battista called me and left a message that most of the soil borings had been performed. There are 3 borings left to perform. However, they will be in the street. If they have the permits in place, these will be done at the end of this week.8/31/10 - Raphael Ketani. Mr. Lorthioir sent me a pdf file containing a letter that EnviroTrac had sent to the NYC DOT. The DOT was charging EnviroTrac a fee for the inspection of an open trench along West 20th Street. However, this was not EnviroTrac's project. They have been unable to talk to anyone at the DOT in order to convince them of this, hence the letter. EnviroTrac is contesting responsibility for this project or any liability. A pdf file of the letter is in the E-docs.9/1/10 - Raphael Ketani. Mr. Battista called me today. He said that all of the soil borings were performed. Borings SP-1 and SP-2 were moved to the sidewalk. They could not be done in the street because there were too many utilities and they

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

were too close together.9/23/10 - Raphael Ketani. Mr. Battista sent me the Roux Associates Supplemental Site Assessment Report dated 9/23/10 by e-mail. I reviewed the report. The highest concentrations of VOCs in the soil samples were from borings at the locations of SB-3, SB-5 to SB-7. Total VOC concentrations were in the hundreds of thousands of parts per billions. These sites were next to the USTs and the associated piping. Mr. Battista recommended pulling the tanks and the piping, and removing as much contaminated soil as is feasible under the site and the sidewalk. I sent him an e-mail stating that the DEC approved his recommendation. I also stated that the groundwater monitoring should continue.10/7/10 - Raphael Ketani. Mr. Battista called today. He said that they have just obtained the groundwater data from the laboratory. They are presently tabulating the data and they will send it to the DEC in a week or two. There was no product in the wells. A remedial work plan will be submitted sometime about the end of October. Also, the reason the method detection limits were set so high by the laboratory was that they were encountering a lot of interference when they were running the groundwater samples. They believe that the interference was due to all of the organics from the treatment solutions that had been used and from the historical fill. They had to do lots of diluting.10/29/10 - Raphael Ketani. Mr. Battista sent me an e-mail stating that the geotechnical soil borings will start on November 8. 11/9/10 - Raphael Ketani. Mr. Battista sent me the Remedial Action Plan dated 11/5/10 (see E-docs). I reviewed the plan and approved it. I sent him an e-mail to this effect. The present building will be demolished in early 2011. The soil will be dug out down to 8 feet below grade. All tanks and piping will be removed, along with as much contaminated soil as is structurally feasible.12/3/10 - Raphael Ketani. Mr. Battista called today. He said that, as part of the site remediation, the USTs and their associated piping will be excavated. However, this excavation will result in the destruction of several wells that are in the way. I told Mr. Battista that this is not a problem as long as the contaminated soil is removed and end point samples are taken. I told him that a round of groundwater samples will need to be taken once the excavating and backfilling are completed. This will tell us whether the source of the contamination has been removed. I added that, if possible, he should have the contamination hot spots at MW-14 and MW-16 removed at the same time. He said that he will look into this. 12/28/10 - Raphael Ketani. Mr. Battista sent me an e-mail which stated that they will abandon some of the wells at the site which will be affected by the building demolition. The well abandonment is expected to be finished on 12/30/10.1/13/11 - Raphael Ketani. Mr. Battista called today. He said that they still haven't received the permits for demolition of the building from the NYC DOB. In the meantime, Mr. Battista would like to put treatment socks in the wells. I told him that this was alright to do, but that without removing the contaminated waste, the groundwater may never become clean. He said that he understood.2/7/11 - Raphael Ketani. I received the following e-mail from Mr. Battista:As we recently discussed, we have installed oxygen release compound (ORC) socks in monitoring wells MW-1, MW-2 and MW-14. The ORC socks will remain in the wells for approximately the next two months while the building demolition and UST removal work is being performed. The former Bermuda Limo Building is currently being demolished and the demolition is anticipated to be complete by the end of this month. Also, please note that the December 2010 quarterly

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

groundwater monitoring round has been postponed pending the completion of the demolition and UST removal/soil excavation work. Once the demolition and the UST removal/soil excavation work is complete we will remove the ORC socks and conduct the quarterly sampling event of all the remaining monitoring wells listed for sampling in the approved Groundwater Monitoring Work Plan. In regard to the UST removal/soil excavation work, the Remedial Action Plan does not include any post excavation sampling. Based on the remedial design, the Site will be excavated to the extent possible without jeopardizing the structural integrity of the adjacent buildings, roadway and underground utilities. Although, it may be possible to excavate additional soil from localized areas if gross contamination is observed (with the approval of the Geotechnical Engineer), it will not be possible to expand the excavation even if post-excavation samples indicate remaining contamination. Please let me know if you require the collection of post-excavation soil samples and if so, the requisite frequency and location. I replied that he should do 2 end points in the front of the excavation wall and 3 end points in the floor of the excavation and register the tanks as closed and removed.

2/15/11 - Raphael Ketani. Mr. Battista sent me an e-mail regarding an update about the site. He wrote that the building demolition is almost completed. After the demolition, they will remove the tanks and the piping and excavate as much as possible. They will go into the groundwater. Then they will take soil end point samples. 2/22/11 - Raphael Ketani. Mr. Battista (cell (516) 250-0382) called me today. He said that four 550 gal. USTs were discovered and removed. They had all been filled with grout. They were broken open. All were found to be clean inside. Excavation will start this week or next week. I told Mr. Battista to have the PBS registration revised to reflect that the tanks had been removed. He said that he will do this. 3/11/11 - Raphael Ketani. Mr. Battista sent me a progress update e-mail. In essence, the e-mail stated that the building had been completely demolished and the concrete slab had been broken up and carted away. Also, the four 550 gal. USTs had been emptied of their concrete from the abandonment in place, removed and sent off as scrap metal. They are now waiting on the NYC DOB to sign off on their demolition work so that they can get permits to do the rest of the excavation and construct the new building. Later, Mr. Battista sent me a followup e-mail. He wrote: We are going to collect the next round of groundwater samples as soon as the remedial excavation is complete and then get you a report. I will include the post excavation soil sampling data in that report as well. I expect to have that all together by mid April 2011. We've just postponed the groundwater sampling until after the remediation work is complete as it didn't make sense to collect those samples immediately prior to completing the excavation work, considering the vast amount of data we have from previous sampling events, including ours in the fall of 2010. I'd like to collect them right after the remediation work is complete. We also have the ORC Socks installed which we are hoping will help reduce VOC concentrations along with the source area removal. He also stated that 6 end point samples will be taken in the sidewalls of the pit, but not in the bottom due to the presence of the groundwater. 3/28/11 - Raphael Ketani. Mr. Battista called with an update. He said that 20 truck loads of soil have been removed so far. They dug down a little deeper where the soil looked dark. They are making good progress. There were some odors and a couple of neighbors asked what was happening. However, Mr. Battista said that he

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

explained the project to them. They appeared to be satisfied with the explanation. End point samples are expected to be taken this wednesday, 4/30/11. The samples will be sent off for a quick turnaround and the DEC will get the data.3/30/11 - Raphael Ketani. Mr. Battista sent me an e-mail stating that the excavating had been completed. Additional soil was removed at the southwest corner where the contamination seemed to be greater. There were odor issues that were called into the NYFD. Inspectors from the NYFD, NYPD and the NYCDEP came out and determined that the site was in compliance for managing the odors. Six end point samples will be taken tomorrow and backfilling will take place next week.4/5/11 - Raphael Ketani. Mr. Battista sent me an e-mail with attachments consisting of the raw data report, summary tables and a post excavation boring location map. The analyticals for samples from PX-1 to PX-3, PX-5 and PX-6 had low VOC and SVOC hits. However, the sample from PX-4 had very high hits. More soil will be removed from the area of PX-4, which is the area of a former pump island.4/11/11 - Raphael Ketani. Mr. Battista (cell (516) 250-0382) called. He said that he received the soil end point analyticals. They look good. He's confident, from looking at the data, that they have removed all of the contamination. He said that they will finish backfilling this week. Then they will remove some concrete piling caps that go down about 5 feet. After this, they will sample in May 2011. I told him to wait about 4 or 5 weeks before doing the first post excavation round of groundwater sampling. This is because fines will be entrained in the groundwater as a result of the excavating. Once they settle out, then sampling can take place. Mr. Battista said that he will send the DEC the soil data and then put together a complete closure report with the soil data, groundwater data, and other information. I told him that this will be fine.4/15/11 - Raphael Ketani. Mr. Battista sent me an e-mail with attachments. The attachments included the excavation and end point sampling map, the analytical summary table, and the full analytical report. The analytical results were almost entirely non-detect. Mr. Battista also wrote that the next round of groundwater samples will be collected about mid-May.5/3/11 - Raphael Ketani. Mr. Battista sent me an e-mail that the next round of groundwater sampling will start tomorrow (2 days early) as an art exhibit will start at I-Beam very soon and so access to those wells will be impossible. I responded back that this was alright and to proceed.6/20/11 - Raphael Ketani. Today I received the June 17 Spill Closure Report from ROUX Associates by e-mail. Mr. Battista wrote that appendices A to D were too large to e-mail. So they will be sent on disk. I reviewed the Spill Closure Report. Post excavation soil end point samples were taken at locations PX-1 to PX-6 (3/31/11) and at PX-7 (4/7/11). These locations were in the sloping area (1.5:1) along the edges of the site footprint. The VOCs were almost entirely non-detect for all of the samples. The SVOCs were almost entirely non-detect for all of the samples, except the one from PX-4. This sample had very high benzo series analyte hits up to 46,000 ppb of benzo(a)anthracene. Other associated combustion analytes were also very high in concentration. Additionally, flouranthene was 120,000 ppb, 110,000 ppb phenanthrene, and 98,000 ppb of pyrene. Groundwater samples were taken at MW-1, MW-2, MW-14 to 16, MW-18, MW-22, MW-26, MW-28, and MW-29 on 5/4/11. Locations MW-1, MW-2, and MW-14 were in the sidewalk in front of the site. MW-15 was in the West 20th Street sidewalk to the west of the site. MW-16, MW-18, MW-22 and MW-26 were within the footprint of the Eye-Beam gallery. MW-28 and MW-29 were in the West 21st Street

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

sidewalk. VOCs were almost entirely non-detect for all of the samples, except BTEX for MW-14. This sample had up to 468 ppb of total xylenes. The benzo series SVOCs had low exceedences for MW-14, MW-16 and MW-26. Within the Spill Closure Report, it was stated that a passive SSD system will be installed and a vapor barrier. Also, Mr. Battista cell (516) 250-0382 sent me a followup e-mail. He stated that the soil at PX-4 did have an oily odor and staining. Because of this, the excavation was advanced 14 feet. More soil was removed in the area and end point sample PX-7 was taken. Mr Battista said that ROUX staff who were at the site during the 5/4/11 groundwater sampling, and himself, did not see any product sheen nor sense the presence of oil when MW-14 was sampled. He went on to state that once the DEC approves the Spill Closure Report results, then all of the wells will be abandoned by ROUX along West 20th Street, West 21st Street and along 11th Avenue. I responded back that the Department was approving the Spill Closure Report, but would not close the case until the four appendices and the well closure letter report are received. I checked the PBS registration #2-349402. The tanks were closed in 1994.6/21/11 - Raphael Ketani. Mr. Battista sent me the paper copy of the Spill Closure Report with a CD containing appendices A to D and Appendix E as a set of printed photos. I sent all of the information to the E-docs.6/24/11 - Raphael Ketani. Mr. Battista sent me an e-mail that Eye Beam is having an exhibit. So the abandonment of the wells in their gallery may not happen until mid-August, when the exhibit ends. ROUX is also working on getting the permits from the NYC DOT for abandoning the wells in the sidewalk. I wrote back that this was fine.8/22/11 - Raphael Ketani. I tried to contact Mr. Battista cell (516) 250-0382 regarding whether the wells at Eye Beam had been abandoned, but I could only leave a message. Mr. Battista sent me an e-mail that they will have the permission of the owners of Eye Beam and all of the permits from the DOT by next week in order to abandon the wells. So well abandonment will take place everywhere sometime next week, except for one location where the owner is not locateable.9/1/11 - Raphael Ketani. Mr. Battista sent me an e-mail stating that the abandonment of the wells at Eye Beam had begun. He hoped to finish them by the end of the week. Then he will start abandoning the wells in the sidewalks during next week.9/28/11 - Raphael Ketani. I spoke to Mr. Battista cell (516) 250-0382 about the well abandonment. He said that it went well and that all of the wells have been properly abandoned. He said that he gave a draft well abandonment letter to his client. It is presently under review. Mr. Battista said that he hoped to send the letter to the DEC by friday, September 30, 2011. I told him that I will keep an eye out for it. 10/4/11 - Raphael Ketani. I received the 9/28/11 Site Monitoring Well Abandonment report from Mr. Battista today. I reviewed the report and found it to have appropriately described the well abandonment. I forwarded the Final ISR to Randall Austin, Chief of the Spills Unit, for his signature. 10/6/11 - Raphael Ketani. The Final ISR was signed by Mr. Austin and Lou Oliva, Chief Counsel Region 2, and forwarded to Dennis Farrar in Albany Remediation. As the soil contamination and the defective fuel system equipment was removed, and as there was no product on the groundwater, and as the groundwater analyticals indicated that the residual dissolved contamination was at or below CP-51 standards, I have determined that the spill has been cleaned up and that the residual contamination does not pose a threat to the public or the environment. Therefore, I closed the case effective today.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOUSINE (Continued)**

**S104495131**

Remarks: LEAKING INTO BUILDING BASEMENT FROM UNKNOWN SOURCE.FIRE DEPT.  
HAZ/MATON THE SCENE. DEC (AUSTIN/BATTISTA) RESPONDING. "SEE SHEET FOR ACTION".

Material:  
Site ID: 305077  
Operable Unit ID: 909781  
Operable Unit: 01  
Material ID: 469508  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**BA313**  
**SSW**  
**1/4-1/2**  
**0.351 mi.**  
**1854 ft.**

**BERMUDA LIMOSINE**  
**537 WEST 20TH STREET**  
**NEW YORK, NY**  
**Site 2 of 5 in cluster BA**

**NY Spills S104495130**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**  
Facility ID: 8702883  
DER Facility ID: 131979  
Facility Type: ER  
Site ID: 155910  
DEC Region: 2  
Spill Date: 7/10/1987  
Spill Number/Closed Date: 8702883 / 1/1/1988  
Spill Cause: Equipment Failure  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**Actual:**  
**9 ft.**

**SWIS:**  
Investigator: TOMASELLO  
Referred To: Not reported  
Reported to Dept: 7/10/1987  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 7/14/1987  
Spill Record Last Update: 12/13/2002  
Spiller Name: Not reported  
Spiller Company: BERMUDA LIMOSINE  
Spiller Address: 537 WEST 20TH STREET

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BERMUDA LIMOSINE (Continued)**

**S104495130**

Spiller City,St,Zip: NEW YORK, NY  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: REPLACED DE-FECTIVE FILL LINE BOX. DEC WILL INVESTIGATE.

Material:

Site ID: 155910  
Operable Unit ID: 907011  
Operable Unit: 01  
Material ID: 469141  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**BA314**  
**SSW**  
**1/4-1/2**  
**0.352 mi.**  
**1857 ft.**

**532 W 20TH ST**  
**532 W 20TH ST**  
**MANHATTAN, NY**  
**Site 3 of 5 in cluster BA**

**NY Spills** **S106009901**  
**N/A**

**Relative:**  
**Lower**

SPILLS:

Facility ID: 0209247  
DER Facility ID: 188252  
Facility Type: ER  
Site ID: 228213  
DEC Region: 2  
Spill Date: 12/9/2002  
Spill Number/Closed Date: 0209247 / 3/19/2007  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**9 ft.**

SWIS: 3101  
Investigator: rmpiper  
Referred To: Not reported  
Reported to Dept: 12/9/2002  
CID: 257  
Water Affected: Not reported  
Spill Source: Unknown  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/9/2002  
Spill Record Last Update: 3/19/2007

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

532 W 20TH ST (Continued)

S106009901

Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: TOM MARCINEK  
Contact Phone: (212) 580-6763  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "FOLEY"5/25/06: letter from Roux Associates to Randy Austin requesting closure of spill on behalf of property owner. In the letter, Roux states that a Phase I report found no evidence of staining, petroleum storage or disposal. This letter was eventually routed to me for follow up. (JHO)6/13/06: spoke with Bill Holubowich (Roux Associates). He believes that the spill report was for a spill in a Con Ed manhole. I explained that the "spill" was actually a finding of contaminated soil under the sidewalk during excavation by Con Ed to remove a service box. Mr. Holubowich indicated that Roux had done some additional geophysical work and had identified a fill pipe and vent pipe which terminated beneath the sidewalk. (JHO)6/15/06 - second letter from Roux requesting closure of the spill number. The letter outlined the findings of the geophysical survey noted above, but offered no explanation for when or how the UST associated with the piping was removed. (JHO)10/18/06: third letter from Roux requesting closure. (JHO)10/31/06: called and left message for Mr. Holubowich. I indicated that the findings reported in his 6/15/06 letter of piping associated with a former UST warrant additional investigation to confirm whether the petroleum contaminated soil discovered by Con Edison is related to the former UST or its associated piping. (JHO) ~~~~~Con Ed e2mis #146305:While breaking out S3598 at 532 w.20 st and after he removed all the debris (concrete) from the Open Excavation which is approx 5' deep, he noticed the underlying soil and it was in a darkened condition and there was an odor of something similar to a petroleum product. The soil itself was not Wet. 12/9 @ 12:36According to the Finder the excavation is approx 10' by 6' and the soil in the entire area exhibits this darkened state that was mentioned above. There is no information on the depth or if this condition exists in any area outside of the excavation.11/2/06 - Austin - Spill transferred from O'Connell to Piper, due to spill not being from a Con Edison source - Bill Holubowich from Roux Associates is the consultant for the owner of this address, and is coordinating the site investigation. - end11/6/06- DEC Piper received message from Bill H. stating that two samples were going to be collected at the terminus of the discovered piping. He did not want to collect GW samples from the two monitoring wells that were found on site since the area was in an industrial area. Piper spoke w. Bill and associate of Roux on conference call and Roux proposed collecting GW sample. Piper disagreed stating that soil contamination is suspect and GW flow direction isn't surveyed. GW contamination could be from offsite source. Soil samples will be collected. Roux will notify me of day of work. 1/16/07- Piper spoke w. Bill of Roux. They will be Geoprobng on Mon. Jan 23. Samples will be collected.3/19/07- DEC Piper received and reviewed subsurface investigation report. AS per report, 3 borings were completed. As per analytical, no VOC's in exceedance and slight exceedances of SVOC's presumably from historic fill. There is no gross contamination at the sight. This spill is closed.  
Remarks: while removing a service box found contaminated soil under the box

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**532 W 20TH ST (Continued)**

**S106009901**

Material:  
Site ID: 228213  
Operable Unit ID: 862424  
Operable Unit: 01  
Material ID: 516224  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**315  
North  
1/4-1/2  
0.352 mi.  
1860 ft.**

**TRAFFIC ACCIDENT  
661 W 34TH STREET  
NEW YORK, NY**

**NY Spills S108763859  
N/A**

**Relative:  
Higher**

**SPILLS:**

**Actual:  
16 ft.**

Facility ID: 0705746  
DER Facility ID: 335504  
Facility Type: ER  
Site ID: 386112  
DEC Region: 2  
Spill Date: 8/19/2007  
Spill Number/Closed Date: 0705746 / 8/20/2007  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
  
SWIS: 3101  
Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 8/19/2007  
CID: 71  
Water Affected: Not reported  
Spill Source: Passenger Vehicle  
Spill Notifier: Fire Department  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 8/19/2007  
Spill Record Last Update: 8/20/2007  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller Company: 999  
Contact Name: BRYAN DOYLE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TRAFFIC ACCIDENT (Continued)**

**S108763859**

Contact Phone: (347) 203-0115  
DEC Memo: minor spill - cleaned up  
Remarks: VEHICLE HIT POTHOLES DAMAGING GAS TANK - CLEAN UP COMPLETE.

Material:  
Site ID: 386112  
Operable Unit ID: 1143361  
Operable Unit: 01  
Material ID: 2133638  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 3  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**BA316**  
**SW**  
**1/4-1/2**  
**0.353 mi.**  
**1862 ft.**

**COMMERCIAL BUILDING**  
**120-126 11 TH AVE**  
**NEW YORK, NY**  
**Site 4 of 5 in cluster BA**

**NY Spills S107787329**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 0600524  
DER Facility ID: 312787  
Facility Type: ER  
Site ID: 362535  
DEC Region: 2  
Spill Date: 4/13/2006  
Spill Number/Closed Date: 0600524 / 4/20/2006  
Spill Cause: Other  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

**Actual:**  
**4 ft.**

**SWIS:**  
Investigator: SMSANGES  
Referred To: Not reported  
Reported to Dept: 4/13/2006  
CID: 444  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 4/13/2006  
Spill Record Last Update: 4/20/2006  
Spiller Name: THERESA HAZEL  
Spiller Company: COMMERCIAL BUILDING  
Spiller Address: 120-126 11 TH AVE

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**COMMERCIAL BUILDING (Continued)**

**S107787329**

Spiller City,St,Zip: NEW YORK, NY  
 Spiller Company: 001  
 Contact Name: THERESA HAZEL  
 Contact Phone: (212) 229-8414  
 DEC Memo: Krimgold DaySangesland left a voice message with Theresa Hazel asking for a better description of what was found and who/what is happening with the cleanup.04/20/06-Vought-This spill closed and referred to open spill #08703253 at source location.

Remarks: HISTOIRCAL CONTAMINATION:

Material:

Site ID: 362535  
 Operable Unit ID: 1120636  
 Operable Unit: 01  
 Material ID: 2110124  
 Material Code: 0009  
 Material Name: Gasoline  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: Not reported  
 Units: Gallons  
 Recovered: No  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

**BB317**  
**SSW**  
 1/4-1/2  
 0.353 mi.  
 1862 ft.

**512 WEST 20TH ST/MANH**  
**512 WEST 20TH STREET**  
**NEW YORK CITY, NY**  
 Site 1 of 4 in cluster BB

**NY Spills S104495236**  
**N/A**

**Relative:**  
**Lower**

SPILLS:

Facility ID: 9002588  
 DER Facility ID: 152787  
 Facility Type: ER  
 Site ID: 182339  
 DEC Region: 2  
 Spill Date: 5/26/1990  
 Spill Number/Closed Date: 9002588 / 6/14/1990  
 Spill Cause: Other  
 Spill Class: Not reported  
 SWIS: 3101  
 Investigator: KSTANG  
 Referred To: Not reported  
 Reported to Dept: 6/6/1990  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Institutional, Educational, Gov., Other  
 Spill Notifier: Citizen  
 Cleanup Ceased: 6/14/1990  
 Cleanup Meets Std: True  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0

**Actual:**  
**10 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**512 WEST 20TH ST/MANH (Continued)**

**S104495236**

Date Entered In Computer: 6/22/1990  
Spill Record Last Update: 7/3/1990  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "TANG"06/14/90: SITE WAS INSPECTED, NO OBVIOUS CONTAMINATION, DEC INFORMED MR. LEGAULT TO DISPOSE OF TANK & CONTAMINATED DEBRIS, LIST OF CONTRACTOR'S WAS PROVIDED.  
Remarks: WHILE RENOVATING OLD BLDG (2) UST'S OF 550GAL TANK (GASOLINE & #2 FO) WERE FOUND, FUEL OIL TANK REMOVED, GASOLINE TANK STILL THERE, CONTAMINATED SOIL FOUND.

Material:  
Site ID: 182339  
Operable Unit ID: 940601  
Operable Unit: 01  
Material ID: 437330  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: -1  
Units: Not reported  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AV318  
SSE  
1/4-1/2  
0.353 mi.  
1862 ft.

198 9TH AVE  
NEW YORK, NY 10011  
Site 3 of 4 in cluster AV

EDR US Hist Cleaners 1015011456  
N/A

Relative:  
Higher  
Actual:  
17 ft.

EDR Historical Cleaners:  
Name: MANHATTAN FRENCH CLEANERS  
Year: 2001  
Address: 198 9TH AVE  
Name: MANHATTAN FRENCH CLEANERS  
Year: 2003  
Address: 198 9TH AVE  
Name: MANHATTAN FRENCH CLEANERS  
Year: 2004  
Address: 198 9TH AVE  
Name: MANHATTAN FRENCH CLEANERS  
Year: 2005  
Address: 198 9TH AVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015011456

Name: MANHATTAN FRENCH CLEANERS  
Year: 2006  
Address: 198 9TH AVE

Name: MANHATTAN FRENCH CLEANERS  
Year: 2010  
Address: 198 9TH AVE

Name: MANHATTAN FRENCH CLEANERS  
Year: 2011  
Address: 198 9TH AVE

Name: MANHATTAN FRENCH CLEANERS  
Year: 2012  
Address: 198 9TH AVE

AV319  
SSE  
1/4-1/2  
0.353 mi.  
1862 ft.

JEAN'S MANHATTAN FRENCH CLEANERS  
198 9TH AVENUE  
NEW YORK, NY 10011  
Site 4 of 4 in cluster AV

NY DRYCLEANERS S106435885  
N/A

Relative:  
Higher

DRYCLEANERS:  
Facility ID: 2-6205-01454  
Phone Number: Not reported  
Region: 2  
Registration Effective Date: 12/8/2003  
Inspection Date: 07DEC10  
Install Date: Not reported  
Drop Shop: Not reported  
Shutdown: Not reported  
Alternate Solvent: Not reported  
Current Business: PERC DRY CLEANER

Actual:  
17 ft.

320  
SW  
1/4-1/2  
0.353 mi.  
1865 ft.

WESTSIDE HWY AT PIER 61  
WESTSIDE HWY AT PIER 61  
MANHATTAN, NY

NY Spills S102148887  
N/A

Relative:  
Lower

SPILLS:  
Facility ID: 9409604  
DER Facility ID: 127951  
Facility Type: ER  
Site ID: 150472  
DEC Region: 2  
Spill Date: 10/18/1994  
Spill Number/Closed Date: 9409604 / 10/18/1994  
Spill Cause: Equipment Failure  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

SWIS:  
Investigator: SMMARTIN  
Referred To: Not reported  
Reported to Dept: 10/18/1994  
CID: Not reported

Actual:  
1 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WESTSIDE HWY AT PIER 61 (Continued)**

**S102148887**

Water Affected: HUDSON RIVER  
Spill Source: Commercial/Industrial  
Spill Notifier: Federal Government  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/27/1948  
Spill Record Last Update: 6/17/1997  
Spiller Name: Not reported  
Spiller Company: A.J. CONTRACTINMG  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "MARTINKAT"POWER WASHING MACHINE LEAKED - USCG ON SCENE. NYCDEP WILL BE NOTIFIED  
Remarks: Not reported

Material:  
Site ID: 150472  
Operable Unit ID: 1007347  
Operable Unit: 01  
Material ID: 379022  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 1  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

321  
NNE  
1/4-1/2  
0.356 mi.  
1882 ft.

**CONSTRUCTION SITE**  
**529 WEST 35TH ST**  
**MANHATTAN, NY**

**NY LTANKS** **S105055174**  
**N/A**

**Relative:**  
**Higher**

LTANKS:  
Site ID: 246701  
Spill Number/Closed Date: 0103274 / 12/13/2001  
Spill Date: 6/25/2001  
Spill Cause: Tank Failure  
Spill Source: Commercial/Industrial  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Cleanup Ceased: Not reported  
Cleanup Meets Standard: False  
SWIS: 3101

**Actual:**  
**36 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CONSTRUCTION SITE (Continued)**

**S105055174**

Investigator: JBVOUGHT  
Referred To: Not reported  
Reported to Dept: 6/25/2001  
CID: 382  
Water Affected: Not reported  
Spill Notifier: Other  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Involvement: False  
Remediation Phase: 0  
Date Entered In Computer: 6/25/2001  
Spill Record Last Update: 12/13/2001  
Spiller Name: Not reported  
Spiller Company: UNKNOWN  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ -  
Spiller County: 001  
Spiller Contact: GARY ZAID  
Spiller Phone: (212) 736-1626  
Spiller Extention: Not reported  
DEC Region: 2  
DER Facility ID: 202580  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "VOUGHT"8/2001-Tank closure report prepared by Franklin Company Contractors. 6/29/2001-Franklin implemented bioremediation by mixing 240lbs of ORC with surrounding soils and filling in excavation. 500 gallons of Waste stream technologies W-4 bio-blend mixture also injected.. Site was bakcfilled with 3 to 6 feet of clean fill, 6 inches of crushed stone and an 8-mil polyethylene vapor barrier. Area was then covered with 6 inch reinforced concrete slab. Soil VOC pass TAGM, soil SVOC exceed TAGM but are due to fill composition. Site visit by Jacob Krimgold showed no visual evidence of contamination. Groundwater VOC and SVOC also pass TAGM. 12/13/2001 Spill closed as per Mark Tibbe, Jacob Krimgold and myself (all NYSDEC personnel).  
Remarks: SOIL SAMPLE RESULTS FROM REMOVAL OF 3 TANKS AT LOCATION. NO VISABLE SIGNS OF CONTAMINATION.

Material:  
Site ID: 246701  
Operable Unit ID: 841954  
Operable Unit: 01  
Material ID: 535365  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BC322**    **LIRR WEST SIDE YARD**  
**NNW**     **12TH AVE & WEST 33RD ST**  
**1/4-1/2**   **MANHATTAN, NY**  
**0.358 mi.**  
**1888 ft.**   **Site 1 of 2 in cluster BC**

**NY Spills**   **S106720992**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 0407411  
 DER Facility ID: 266874  
 Facility Type: ER  
 Site ID: 331845  
 DEC Region: 2  
 Spill Date: 10/4/2004  
 Spill Number/Closed Date: 0407411 / Not Closed  
 Spill Cause: Unknown  
 Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. No DEC Response. No corrective action required.

**Actual:**  
**11 ft.**

**SWIS:**

Investigator: RVKETANI  
 Referred To: 021213 APPRVD FOURTH QRTR 2012 PROGRSS RPT  
 Reported to Dept: 10/4/2004  
 CID: 407  
 Water Affected: 050112 RVWD QRTRLY  
 Spill Source: Unknown  
 Spill Notifier: Other  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 4  
 Date Entered In Computer: 10/4/2004  
 Spill Record Last Update: 2/14/2013  
 Spiller Name: Not reported  
 Spiller Company: Not reported  
 Spiller Address: Not reported  
 Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
 Spiller Company: 001  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: 04/06/06: Investigation identified significant contamination on and off site. Significant soil staining and free product identified in boring logs at varying depths. Possible source across the street to the north, behind Javitts building. No direct link between possible source and contamination onsite because of different depth of contamination, product id across the street identified #5 oil, no product id of contamination onsite. Investigation letter sent 04/06/06. 11/12/10 - spill re-assigned from Tibbe to Joe O'Connell 07/18/2011 - The spill was reassigned from Joe O'Connell to Linda Ross 12/14/11 - DEC Hussein and Ross met with LIRR at spill site on 12/2/11, and observed construction above the impacted area (photos in edocs). DEC met with LIRR (Ms. Russo and Mr. Albano) on 12/8/11 at the DEC office and met again at the spill site on 12/9/11. LIRR will task its consultant with preparing a preliminary screening of remedial alternatives for the contaminated media for submission to DEC. (JOC)3/12/12 - Raphael Ketani. The case was reassigned to me during February 2012. From the previous documentation, the general West Side Yard site is bounded by West 33rd Street to the north, by

**LIRR WEST SIDE YARD (Continued)**

**S106720992**

various commercial and industrial properties to the south, by 12th Avenue to the west and by 10th Avenue to the east. An elevated former rail line, the High Line, runs along the west side of the site and is present in the northwest corner of the site. The immediate spill site is in the northwest corner of the yard. The site is underlain by 20 to 30 feet of historical fill. Groundwater is at 5 to 7 feet bgs. Soil contamination was found at E-53, 61, 62, 71 and 72. The soil contamination consists of VOCs and SVOCs. Well TRC-MW-3 has contamination, but there is little to no contamination in the downgradient wells MW-12, 13, 69 and 72. The area to be remediated is E-53, 61, 62 and MW-2 to MW-4. I looked at the analytical summary tables in the June 2009 TRC Remedial Investigation Report. It appears that the most contaminated horizon is at about 20 to 25 feet below grade at TRC-MW-3. However, there were only a small number of SVOC hits in the soil analyticals. The VOCs were the major components of the contamination and there were very high exceedences in the parts per millions. The analytes were typical of gasoline contamination, not fuel oil or MGP waste. The groundwater analytical summary tables showed the highest hits as several hundred parts per billions at 20 feet or greater for gasoline analytes - again not fuel oil or MGP waste. The metals results were typical of seawater and rusting metal, with other low exceedences for items such as mercury. However, the site is underlain by anthropogenic fill. So mercury and other similar metals may have their origin in coal ash waste. 3/13/12 - Raphael Ketani. I began my review of the 2/1/12 Progress Report. According to the report, a soil boring was performed on 10/4/04 on the east side of 12th Avenue and a sample was recovered with elevated PID readings and an odor of petroleum. This was the location of boring E-61. An additional investigation was performed. On 4/6/06, the DEC reviewed the closure report and commented that more investigation was necessary. The LIRR's additional investigation work plan was approved on 1/19/09. The remedial investigation took place during May 2009. MGP waste was identified. However, the DEC unit in charge of MGP sites declined to be the project manager for the site as there was no history of an MGP site being located here. The DEC requested that the LIRR develop remediation strategies for the contamination. The LIRR staff found 9 wells on the site and 7 off site. The 9 on site wells were abandoned during September and October of 2007. Quarterly groundwater sampling and monthly monitoring have taken place since 2007. During October 2007, the MTA informed the LIRR that there were 14 wells on their property. On 10/24/07, these wells were abandoned by the LIRR. The final version of the work plan was sent to the DEC on 1/19/09. A remedial investigation took place during May 2009. A report was sent to the DEC on 7/23/09. A letter with potential remediation alternatives was sent to the DEC on 1/13/12. Groundwater data has been provided up to February 2012. The 2/1/12 Progress Report also included an analytical report from Analytical Chemists dated 11/21/11. Groundwater samples were analyzed from MW-1, 2, 4, 5, 11, 13, 47, 53, 61, 69, 72 and 73. With the exception of a 65.9 ppb hit of benzene from MW-2, the great majority of the results were non-detect. There were also a small number of other hits, but they were very low and below the CP-51 standards. 3/14/12 - Raphael Ketani. I tried to contact Gloria Russo, Manager Environmental Planning and Compliance, System Safety Department. LIRR (347) 494-6034 regarding the 3/12/08 Technical Scope of Work - Remedial Investigation (TSOW), but I could only leave a voice message. 3/16/12 - Raphael Ketani. Ms. Russo and Al Albano (347) 494-6020 of the LIRR called me today in a

MAP FINDINGS

LIRR WEST SIDE YARD (Continued)

S106720992

conference call. Ms. Russo called regarding a previous phone call concerning the TSOW. She said that Mark Tibbe of DEC (the former case manager) had reviewed and approved the document some years ago. It was made into a work plan by the LIRR's consultant at the time, TRC, which was also approved. The work was done in 2009 and a report was generated the same year. Divirka & Bartilucci are the new LIRR consultants. A letter was sent to the DEC dated 1/13/12, but the LIRR never heard anything back regarding its review. I told Ms. Russo that I will take a look at the letter. Mr. Albano then took over the conversation. He stated that the MGP waste is there. However, it is under the interface between the capillary fringe in the soil and the water table. The top of the soil contamination is at about 10 to 12 feet below grade and extends down to 24 feet. The contaminated soil was found when the site was being investigated for possibly building the JETS football team stadium. The groundwater (at 6 feet bgs) does not have much in the way of dissolved analytes. So it is only the soil that needs to be addressed and only in the northwest corner. However, the Highline Park is right there and the clearance is about 15 feet. Mr. Albano added that for years the LIRR, its consultants and DEC have tried to figure out a solution to the soil contamination issue, but nothing has been resolved. Excavation does not appear to be possible due to the footings for the Highline and the many utilities that run through the northwest corner. Lastly, Ms. Russo added that the LIRR does not have any plans to develop the site. With that, the conversation ended. 4/23/12 - Raphael Ketani. Gloria Russo (347) 494-6034 of the LIRR sent my supervisor, Hassan Hussein, an e-mail on 4/17/12. The e-mail concerned an alleged very high exceedence of the state soil concentration standards for chromium. Back some years ago, sample SB-H-06-LIRR-24-26 was analyzed. A table (Table 3-C) was submitted, along with other analytical data summary tables, indicating the results from the soil analyses. The Langan Engineering letter dated 10/27/04 had attached Table 3-C which showed the chromium concentration to be 29,100 ppm. Mr. Hussein was concerned about this high concentration. However, the raw data analyses were found for this sample and showed that the concentration actually was 26.1 ppm. The high analytical result was actually for iron, not chromium. So, Ms. Russo requested that the issue be put to rest. It appears that some of the numbers were transposed when they were copied to the data summary tables. 5/1/12 - Raphael Ketani. I reviewed the 5/1/12 Quarterly Progress Report. Groundwater was sampled from MW-1, 2, 4, 5, 11, 13, 47, 53, 61, 69, 72, and 73. All of the VOC and SVOC results were non-detect except for one hit of 32 ppb benzene from MW-2. 5/4/12 - Raphael Ketani. A site visit was set up with Ms. Russo and Mr. Albano for 5/8/12. 5/4/12 - Raphael Ketani. I reviewed the Divirka and Bartilucci 1/13/12 letter describing various methods of addressing the contamination below the site. There is 20 to 30 feet of fill under the site. Native silty clay underlies the fill. Bedrock is about 96 feet below the northwest corner of the site. The fill is anthropogenic material: brick, wood, etc. Groundwater is 5 to 7 feet below grade and flows northwest. However, they state that the groundwater contamination is not flowing to the Hudson River. Langan Engineering found soil contamination in October 2004 at borings E-61, E-53, E-62, B-71, and B-72. The contamination consisted of VOCs, SVOCs, and PAHs. The contamination was at 6 feet down and at 26 feet down. A 2009 Remedial Investigation report defined the extent of the most significant soil contamination as being at borings E61, E62, E53, TRC-MW-2, TRC-MW-3 and at TRC-MW-4.

**LIRR WEST SIDE YARD (Continued)**

**S106720992**

The most significant contamination is at 15 to 25 feet down. This is the zone being considered for treatment. The available treatments include excavation, solidification, chemical oxidation, oxygen enhanced bioremediation, air sparging with SVE and monitored natural attenuation. Monitored natural attenuation was recommended as it disturbs the subsurface the least (it is also the cheapest method). The consultants suggested that this may be enhanced with focused oxygen enhanced bioremediation. They would use ORC around TRC-MW-3. The consultants don't believe it is feasible to achieve pre-spill conditions, but can reach unrestricted or restricted use SCO's. They included TABLE 1 - Identification of Potential Remedial Technologies. All of the methods were described as not feasible, except monitored natural attenuation. 5/7/12 - Raphael Ketani. I reviewed the TRC June 2009 Remedial Investigation Report. In the report, they mention that PID readings at TRC-MW-3 were 475 ppm at 18 to 35 feet, and 78.3 ppm at TRC-MW-4 at 15 to 20 feet. Coal tar was observed at TRC-MW-3 at 18 to 35 feet below grade, and at 15 to 20 feet down at TRC-MW-4. The fingerprint from the TRC-MW-3 sample at 18 to 20 feet suggested coal tar or an unknown fuel oil. TRC-MW-4 was sampled on 5/6/09 for soil at 23-25 feet and had benzo series analyte hits of from 2.6 ppm to 3.3 ppm, chrysene 3.1 ppm and dibenzo(a,h)anthracene at 0.51 ppm. TRC-MW-3 was sampled 5/1/09 for soil at 18-20 feet and had 56 ppm 1,2,4-trimethylbenzene, 34 ppm 1,3,5-trimethylbenzene, 1.3 ppm benzene, 58 ppm ethylbenzene, 12 ppm isopropylbenzene, 13 ppm n-butylbenzene, 26.5 ppm total xylenes, 66 ppm 2-methylnaphthalene, 77 ppm acenaphthene, 3.1 to 19 ppm benzo series analytes, 11 ppm chrysene, 300 ppm naphthalene, 140 ppm phenanthrene, 65 ppm pyrene. TRC-MW-3 groundwater at 25 feet contained 170 ppb 1,2,4-trimethylbenzene, 250 ppb benzene, 560 ppb ethylbenzene, 49 ppb isopropylbenzene, 280 ppb total xylenes, 97 ppb acenaphthene and 1400 ppb naphthalene. TRC-MW-2 groundwater at depth had: 97 ppb benzene at 15 feet; 110 ppb benzene at 25 feet; 100 ppb at 35 feet; 85 ppb at 45 feet. TRC-MW-2 to TRC-MW-5 groundwater samples had dissolved metals hits for various analytes (Fe, Na, Mg, Ca, K) in the tens of thousands of ppm that were typical of seawater. Mercury was 3.1 ppm at TRC-MW-5 at 15 to 16 feet down. Groundwater from MW-12 and MW-13 had typical seawater analyte hits up to 687 ppm. Given the information in the RIR, the bulk of the elevated soil contamination is at 15 to 35 feet. There are 2 classes of contaminants: gasoline range VOCs and coal tar. The soil and groundwater contamination is concentrated in the vicinity of TRC-MW-3. 5/8/12 - Raphael Ketani. The site visit took place as scheduled. Ms. Russo lead the group to the northwest corner of the site. The Highline was about 20 feet above our heads with lights hanging from the underside. The southern limit of the site was about 50 feet from the northern limit. We discussed the subsurface conditions and a little bit about what could be done to remediate the site. I told Ms. Russo that the Department did not agree with using monitored natural attenuation as the remediation method as, from our experience, it was not an effective means of removing the contamination. I added that there were gasoline constituent analytes in the soil and that these were much more amenable to treatment. So a chemical or biological method should work. I added that the consultants should also consider hot water or steam injection in order to mobilize the MGP waste and recover it. Lastly, I told Ms. Russo that I had seen a drawing that indicated there used to be a gas station across the street from the northwest corner of the site. Ms. Russo wasn't aware of the former gas station

**LIRR WEST SIDE YARD (Continued)**

**S106720992**

location, but she told me that the hot spot was TRC-MW-3. However, the LIRR was building a new large shed over the well. I wondered whether injection wells could be installed near TRC-MW-3 and how the remediation could be monitored. After this, we left the site. 5/10/12 - Raphael Ketani. I drafted a letter for the review of Mr. Hussein. In brief, the letter described that the Department had reviewed the Dvirka and Bartilucci 1/13/12 letter and the TRC June 2009 Remedial Investigation Report. From the review of the two documents and the site visit, it was stated that remediation should take place and that the LIRR must submit a pilot study work plan and a full scale design work plan. A pilot study report would be due 30 days after the successful completion of the test. The full scale design work plan would be due 30 days after the pilot study report. 5/17/12 - Raphael Ketani. Mr. Hussein approved the letter yesterday and it went out today. 8/10/12 - Raphael Ketani. A letter was received dated 8/3/12 from the LIRR which was in response to the DEC's 5/17/12 letter requesting that the LIRR investigate the possibility of using other remediation methods to treat the contamination. In the 8/3/12 letter, Ms. Russo stated that various factors limit the effectiveness of the other methods and made them cost prohibitive: the urban setting; extensive above and below ground utilities; depth of the contamination at 15' and 25' and below the water table; the train yard is highly congested and critical to the LIRR operations and can't be shut down. It was also stated that the LIRR is not responsible for the contamination as it is from the historical fill that was put in place before 1890 and after. So both the soil and groundwater contamination is historical. Also, continued monitoring has shown that the groundwater contamination is greatly reduced. Ms. Russo also stated that in their 1/13/12 letter, Dvirka & Bartilucci evaluated the other methods that were suggested. They found the methods more appropriate for sites with high concentrations of contaminants, not the low concentrations found under the West Side Yard. The concentrations under the West Side Yard were more like the goal concentrations for MGP sites. Also, delivery of the steam and hot water methods would be hard to control given the heterogeneous makeup of the fill and the results would not be satisfactory. It would be impossible to control the recovery and there would be unintended migration of the contamination. Surfactant based oxidation would encounter the same problems as the other methods and transporting the hazardous chemicals in a congested urban environment would be difficult. All of these methodologies are expensive and the low contaminant concentrations below the site would not provide a benefit. Ms. Russo recommended monitored natural attenuation with focused injections of ORC. According to her, Dvirka & Bartilucci identified at least 4 MGP sites in New York State where solidification was used successfully. The present contaminant concentrations are less than the cleanup objectives for many former MGP sites. The goal of reaching pre-spill conditions using CP-51 standards is not applicable given the unknown source of the contamination and that the contamination may be related to historical fill. All soil contamination data should be compared to the industrial SCO standards and GA groundwater standards should be used. Ms. Russo wrote that she would like a conference call with her, representatives of Dvirka & Bartilucci and DEC Albany staff who have experience in cleaning up MGP sites. Once an appropriate remedial method is determined, then the LIRR will submit a work plan. 8/14/12 - Raphael Ketani. The August 1, 2012 Progress Report was received and

**LIRR WEST SIDE YARD (Continued)**

**S106720992**

reviewed. Monthly groundwater monitoring and quarterly sampling is continuing. The sampling for this report took place on 5/21/12. Groundwater was encountered at most wells between 5 and 7 feet below grade. At MW-4, the groundwater was at 8 feet below grade. At MW-5 it was 11.8 feet below grade and at MW-73 it was 11.31 feet below grade. The VOC and SVOC analytical results for all of the samples were almost entirely non-detect with widely scattered very low VOC hits that were generally below or just above CP-51 standards. However, the sample from MW-3 had 135 ppb benzene, 130 ppb ethylbenzene and 246 naphthalene. I had no comments. 10/30/12 - Raphael Ketani. The November 1, 2012 Progress Report was received and reviewed. Monthly groundwater monitoring and quarterly sampling is continuing. The sampling for this report took place on 8/21/12. Groundwater was encountered on 8/21/12 at most wells between 5.27 and 11.64 feet below grade. The VOC and SVOC analytical results for all of the samples were almost entirely non-detect with widely scattered very low VOC hits that were generally below or just above CP-51 standards. However, the sample from MW-2 had 71.6 ppb of benzene, MW-3 had 271 ppb benzene, 138 ppb ethylbenzene and 29.6 ppb 1,2,4 trimethylbenzene, 56.6 ppb total xylene and 108 ppb naphthalene. I had no comments. 11/1/12 - Raphael Ketani. The conference call took place as scheduled. In attendance were Bill Ottaway - DEC Albany Tech Support, Gardiner Cross - DEC Albany MGP program, myself, Gloria Russo and Al Albano of the LIRR and their consultant from Dvirka & Bartilucci Tom Fox. The issues of the petroleum waste and, in particular, the deeper MGP waste were discussed. Mr. Ottaway stated that, due to the infrastructure, not much could be done about the deeper MGP waste. He also stated that the extent of the contamination needed to be better defined in order to transfer the site to the MGP program. Up until now, there has only been a site characterization. There needs to be a site management plan and institutional controls. Regarding the petroleum impacts, this may be treatable. He also stated that Mr. Fox should talk to Mr. Cross and put together a work plan. Mr. Ottaway said that Mike Ryan, the bureau director, had no problem with transferring the site to the MGP program. The site would be a "P" site. The spill case would be closed and an MGP case would be opened. Mr. Cross stated that there needed to be a Consent Order in place for the site. Ms. Russo said that she will send Mr. Cross and Mr. Ottaway copies of the Consent Order for the LIRR sites. The call ended with Ms. Russo stating that she will send me and Hassan Hussein copies of all correspondences and documents and that she will keep Region 2 updated. 1/25/2013 - Raphael Ketani. Mr. Fox of Dvirka & Bartilucci sent Mr. Ottaway and Mr. Cross of Albany NYS DEC and Ms. Russo of the LIRR a draft investigation scope of work. I began my review of the document. 1/29/13 - Raphael Ketani. I finished my review of the draft investigation scope of work. There are two objectives: determine whether MGP residuals are present within the area of concern and determine whether the residuals are the source of the BTEX and PAH contamination; determine whether there is a source of the contamination to the east and upgradient of the area of concern. Five soil boring will be completed. The borings will go to a total depth of 40 feet below grade. Soil sampling will take place at three locations within each boring. The boring will end shallower if bedrock is encountered before 40 feet or the boring will be extended deeper if contamination is found in order to vertically delineate the extent of the affected horizon. The soil samples would be examined for the presence of MGP or other contaminants. PID measurements will

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LIRR WEST SIDE YARD (Continued)

S106720992

be taken. Odor, staining and color will be described. Rock and minerals components, historical fill components and clast characteristics will be noted. Stratification and the degree of saturation will also be reported. Lab analysis will be via methods 8060 (BTEX), 8270 (PAHS) and 9012 (cyanide). Dvirka and Bartilucci will submit an investigation report to the DEC and the LIRR. The analyses will be compared to restricted residential and commercial standards. Two borings will be done through the sidewalk on the north side of West 33rd Street. One boring will be done in the north end of the area of concern. One boring will be done next to the east side of the E.I.C. storage building. One boring will be done next to the east side of the Yard Operations Building. I found the draft investigation scope of work to be deficient. First, at a minimum, there should be one soil sample taken every five feet in order to characterize subsurface conditions. Next, there should be an expanded analysis for VOCs via method 8260. Lastly, As this is still an oil spill case, the analyses should still be compared to the unrestricted residential standards. 2/12/13 - Raphael Ketani. I reviewed the Fourth Quarter 2012 Progress Report dated 2/1/13. A draft investigation work plan was submitted on 1/25/13 to the MGP Group at the Albany DEC office. Water gauging took place from 10/25/12 to 1/16/13. Wells MW-1 to 5, 11, 13, 47, 53, 61 69, 72 and 73 were sampled on 11/28/12. MW-2 had 5 VOC hit to 55.8 ppb and 1 low SVOC hit. MW-3 had up to 270 ppb of ethybenzene with 10 VOC hits and 5 SVOC hits to 440 ppb of naphthalene. MW-4 had 3 very low VOC hits. All of the other groundwater samples were entirely non-detect. 2/14/13 - Raphael Ketani. The monthly remedial progress update meeting for 8 LIRR sites took place today. The DEC was informed by Ms. Russo that William Wu of Albany DER will be the case manager from the MGP group and his supervisor is Gardner Cross. Later, I received an e-mail from Mr. Cross informing me that Remediation Case #231083, LIRR West Side Yard, had been opened for the site.

Remarks: At 18-20 feet deep, found elevated PID reading.

Material:

Site ID: 331845  
Operable Unit ID: 1094136  
Operable Unit: 01  
Material ID: 574255  
Material Code: 0064A  
Material Name: UNKNOWN MATERIAL  
Case No.: Not reported  
Material FA: Other  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BC323**  
**NNW**  
**1/4-1/2**  
**0.358 mi.**  
**1888 ft.**

**LIRR - 12TH AVE & 33RD ST**  
**12TH AVE & 33RD ST - LIRR**  
**MANHATTAN, NY**

**NY Spills**    **S102150008**  
**N/A**

**Site 2 of 2 in cluster BC**

**Relative:**  
**Lower**

**SPILLS:**

Facility ID: 9501054  
 DER Facility ID: 191176  
 Facility Type: ER  
 Site ID: 231985  
 DEC Region: 2  
 Spill Date: 4/25/1995  
 Spill Number/Closed Date: 9501054 / 4/25/1995  
 Spill Cause: Equipment Failure  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**11 ft.**

**SWIS:**

Investigator: O'DOWD  
 Referred To: Not reported  
 Reported to Dept: 4/25/1995  
 CID: Not reported  
 Water Affected: Not reported  
 Spill Source: Commercial Vehicle  
 Spill Notifier: Responsible Party  
 Cleanup Ceased: 4/25/1995  
 Cleanup Meets Std: True  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 5/16/1995  
 Spill Record Last Update: 5/19/2004  
 Spiller Name: Not reported  
 Spiller Company: LIRR  
 Spiller Address: 93-59 183RD STREET  
 Spiller City,St,Zip: HOLLIS, NY 11423  
 Spiller Company: 001  
 Contact Name: Not reported  
 Contact Phone: Not reported  
 DEC Memo: Not reported  
 Remarks: LINE ON A TRAIN BROKE

**Material:**

Site ID: 231985  
 Operable Unit ID: 1015170  
 Operable Unit: 01  
 Material ID: 369668  
 Material Code: 0066A  
 Material Name: UNKNOWN PETROLEUM  
 Case No.: Not reported  
 Material FA: Petroleum  
 Quantity: 5  
 Units: Gallons  
 Recovered: 5  
 Resource Affected: Not reported  
 Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
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<b>BB324</b> <b>SSW</b> <b>1/4-1/2</b> <b>0.358 mi.</b> <b>1888 ft.</b>	<b>EMPIRE CITY SUBWAY GARAGE</b> <b>169 10TH AVE</b> <b>NEW YORK, NY</b>  <b>Site 2 of 4 in cluster BB</b>	<b>NY Spills</b>	<b>S108296336</b> <b>N/A</b>
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<b>Relative:</b> <b>Lower</b>  <b>Actual:</b> <b>11 ft.</b>	<p><b>SPILLS:</b></p> <p>Facility ID: 0609814          DER Facility ID: 323857          Facility Type: ER          Site ID: 374150          DEC Region: 2          Spill Date: 11/28/2006          Spill Number/Closed Date: 0609814 / Not Closed          Spill Cause: Unknown          Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.</p> <p><b>SWIS:</b>          3101          Investigator: AXDORONO          Referred To: REVISED RAP IS DUE          Reported to Dept: 11/28/2006          CID: 408          Water Affected: Not reported          Spill Source: Unknown          Spill Notifier: Other          Cleanup Ceased: Not reported          Cleanup Meets Std: False          Last Inspection: Not reported          Recommended Penalty: False          UST Trust: False          Remediation Phase: 1          Date Entered In Computer: 11/28/2006          Spill Record Last Update: 2/11/2013          Spiller Name: Not reported          Spiller Company: UNKOWN.          Spiller Address: Not reported          Spiller City,St,Zip: ZZ          Spiller Company: 001          Contact Name: JEFF BOHLEN          Contact Phone: (631) 924-3001          DEC Memo: Sangesland spoke to Jeff at Envirotrack.They've done investigation work on the site and think its coming from next door.They will submit an investigation report to Patel for review. If this is a long term case (groundwater impacts) or part of another case (next door?) it will be reassigned to remediation.01/02/07-Hiralkumar Patel. received call from Ellis Koch (PH. 631-389-2000 Ext. 282, Cell: 516-983-7333, Fax: 631-752-3008) from Metron Development Services, consultant working for potential buyer. Verizon owns this property and empire city subway is tenant. property is on sell and Mr. Koch wanted to know that what work requires to close this case. told Mr. Koch that department requires site plan with sampling location and sample analyticals for review prior to any comments on cleanup requirements. he will send site plan and sample analyticals once he has it. he believes that this spill was related to old spill across a street in 1997.01/03/07-Hiralkumar Patel. received subsurface investigation report from Envirotrac. Envirtract is consultant for owner. abstract:- phase I conducted in 2005 indicated the potential for USTs associated with the former heating units at the site- GPR survey was performed, but did not indiate the presence of any anomalies that</p>
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Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

could be associated with suspect USTs- subsurface investigation was based on the findings and conclusions presented in Phase-I report-off-site spill incidents related to former gasoline station at 152 10th ave and 161 10th ave- currently property is occupied by Empire City, a construction firm- site has active 3000 gal Diesel UST located within the building's garage area- according to Empire city, UST is double-walled fiberglass tank and is protected by an interstitial monitoring system- no spills or tank test failure associated with this tank- seven soil and groundwater samples taken from site- groundwater was encountered at depths ranging from approx. 9 to 10 ft bg- soil sample collected from immediately above the groundwater interface each boring location- monitoring wells were installed to an approx. depth of 15 ft bg- liquid-phase hydrocarbons (LPH) was not encountered in any of monitoring wells. gauging event was conducted during high tide on Nov. 20, 2006- LPH was detected at a thickness of 0.82 ft in MW-3 during low tide on Nov. 28, 2006- groundwater flow direction was determined westerly during high tide and southwesterly during low tide- few SVOC compounds found over limit in soil sample B-1 and B-4- heavy VOC and SVOC contamination found in groundwater samples MW-3 and MW-7alternate addresses: 169-183 10th ave, 500 W 21st Street, 501 W 20th Streetno other spill record found.PBS#: 2-604451 for 3000 gal UST. UST registered at 177-83 10th Ave address.01/05/07-Hiralkumar Patel. spoke with DEC Austin. he asked to find details on site background, UST on site and buildings and any spill in surrounding area. spoke with Mr. Koch. he doesn't have Phase-I report. he asked to contact Jeff at Envirotrac. spoke with Jeffrey Bohlen at Envirotrac. he will send copy of Phase-I report in mail and site map with spill cases in surrounding area in email. Owner: VerizonContact: Jerome Kung221 East 37th Street6th floorNY, NY 10016Ph. (212) 338-6754email: jerome.kung@verizon.comJeffrey BohlenEnvirotracPh. (631) 924-3001Fax (631) 924-5001email: jeffb@envirotrac.comreceived email from Mr. Bohlen with site plan including surrounding area with past spills. site plan has following spill #s in surrounding area:\*\*\*\*\*9614310: 161-165 10Th AVEDEC Mulqueen inspected site. observed contaminated soil excavated for disposal. found hardpan clay at bottom of excavation and as per Mulqueen, this clay layer is possible barrier against additional vertical migration. no details on groundwater samples or endpoint samples from excavation.case closed.\*\*\*\*\*9210231: 152 10th Ave (old getty station)DEC O'Dowd asked Getty to install monitoring wells based on tank test failure complaint. three monitoring wells installed. groundwater showed contamination. 173 ppb MTBE (MW-1), 1200 ppb MTBE (MW-2) and 1890 ppb MTBE (MW-3)DEC Vought reviewed closure report. entire lot has excavated to depth of 15 ft. removed 8850 tons of soil. groundwater concentration decreased after soil removal.case closed on 03/10/2004.\*\*\*\*\*0030004: 152 10th Ave (old getty station)spill reported after gasoline odors at site and in neighbours.case still open.\*\*\*\*\*0012876: 510 West 21St Street#2 oil spill. project manager: Andre Obligadospill reported because oil observed in sump and found broken supply and return lines.DEC ECO Smith issued violation for not vaccuming sumps as directed by DEC. 10 wells installed at site. NAPL present in groundwater. as of June 2004, 4000 gallons of total fluids removed including 128 gallons of NAPL. groundwater impact due to #2 oil in MW0, MW5 and MW6. in Feb. 06 another well installed based on soil contamination and found 1 ft of product.case still open.\*\*\*\*\*0010394: 511 West 21St StreetGasoline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

spill. project manager: Andre Obligadospill reported due to leaking product line. corrosion in fill line at fill port. Fenley & Nicol did soil investigatio and found soil contaminated. high contamination at SP3 with 93000 ppb MTBE and 2242 ppb benzene. did groundwater delineation. Greatest soil and ground water impacts detected west of dispensers and southwest of UST field (TW1/SB4). GW results in ppb from TW1 show 7327 benzene, 41,697 toluene, 2783 ethylbenzene, ~23500 total xylenes, 321,467 MTBE. case still open.\*\*\*\*\*discussed with DEC Austin. he suggested more groundwater investigation off-site which has open spills (0012876 and 0010394).spoke with DEC Andre Obligado. he mentioned that he will get latest investigation data by end of Jan. 07. he will give copy of these reports.received Phase-I report from Mr. Bohlen from Envirotrac. abstract:- Certificate of Occupancy indicates that fuel oil storage tanks were present at subject property in 1946- groundwater is estimated to occur at depth of 10 ft bgs- Empire city subway has occupied this property since 1977. prior to 1977, the building was utilized for truck repair- 3000 gal UST was installed in 1991- all floor drains in the building are connected to one of the oil-water separator- three self contained ASTs were indentified in maintenance area <----- ASTs were in good condition, with no visible rust or corrosion- seven 55-gal drums were identified in maintenace area- concrete floor under ASTs and in vicinity of drum area was in good condition- an inspection of the southern vault indicated that it was empty. a 1000 gal fuel oil AST had been removed from the vault in 1997 and building converted to gas heat <----- inspection of northern vault indicated the presence of a gas-fired boiler- from 1950 Sanborn map: existing building at the site divided into two separate halves- the southwest and southeast corners of 10th ave and w 20th st are occupied by a gasoline station- two properties to the west are utilized as auto body/collision shops- tracks for an abandoned elevated railroad line are located above the auto body shops- as per sanborn map of 1895, manufactured gas plant (MGP) was located on 11th ave between 19th and 20th streets, on 10th ave between 18th and 19th street and on 18th street, east of 10th ave <----- MGP doesn't exist on 1921 sanborn map- subject site is listed on NYC DEP database for City Environmental Quality Review (little E restricted) and for Underground Gasoline Storage Tanks Testing Protocol, which indicates that prior to redevelopment the NYCDEP may require soil and/or groundwater sampling <-----01/10/07-Hiralkumar Patel. received message from Jeff from Envirotrac inquiring what work required at site regarding groundwater contamination. spoke with Jeff. explained him that there are three more open cases in neighbourhood which has soil/groundwater contaminated. told Jeff that the Department is waiting for latest investigation reports from these other sites and after reviewing these reports, the Department will ask responsible parties to do more investigation along boundries to check any migration to this Verizon site. asked him to wait till then. also asked him to notify buyer about contamination and possible remediation work in future at subject site.02/20/07-Hiralkumar Patel. spoke with DEC Andre. he got analyticals for #2 oil spill site (spill# 0012876: 510 WEST 21ST ST, Manhattan). he will send letter requiring groundwater investigation between 510 West 21st STreet and 169 10th AVE sites. Andre is waiting for analyticals for gasoline spill site (spill# 0010394: 511 WEST 21ST ST, Manhattan).05/08/07-Hiralkumar Patel. DEC Andre still waiting for data.06/01/07-Hiralkumar Patel. recieved call from Jeff. Jeff

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

mentioned that property closing will be done in Nov. 2007 and buyer of property is: Scott ResnickSNR Realty LLC1100 E 59th StreetNew York, NY 10022Ph. (212) 421-196010/31/07-Hiralkumar Patel. spoke with Mr. Kung at Verizon. he will check who really owns this land. explained Mr. Kung that the department requires groundwater investigation as found contaminated groundwater in two wells. asked him for site specific groundwater flow direction at site. Mr. Kung will call back.spoke with DEC Andre. he mentioned that property at 510 W 21st street, which has #2 oil spill and contaminated groundwater, installed well on eastern side and found no product. also property at 511 W 21st street, where gasoline spill reported, found groundwater flowing in west direction (away from subject site at 169 10th ave). they also did tidal survey and found no change in groundwater flow direction.summary:- no product/contamination found in ground water from well on eastern side of property at 510 w 21st street, which is close to well # 3 on subject site where found high naphthalene- groundwater at 511 w 21st street is flowing in west direction, away from well # 7 on subject site where found high MTBE11/06/07-Hiralkumar Patel. received call from Jeff from Envirotrac. as per Jeff, Verizon still owns the site, but will be out by end of Nov. 2007. explained to Jeff that the department requires site specific groundwater flow direction and complete groundwater delineation with off-site wells to confirm any contamination coming from off-site, if any. site specific groundwater direction was determined earlier and data showing that groundwater was flowing in two different directions. asked Jeff to survey existing wells again to confirm groundwater flow or variation in flow direction. and based on confirmed groundwater flow direction, need upgradient well to see any off-site contamination.11/27/07-Hiralkumar Patel. spoke with Jeff at Envirotrac. he mentioned that there is new manager at verizon for the site.Empire City Subway Company Ltd. (subsidiary of Verizon)199 Fulton Avenue4th FloorHampstead, NY 11550Contact: John QuatralPh. (516) 292-8166 (O) (917) 846-4423 (C)email: john.n.quatral@verizon.comfrom Dept. of State record, owner's address:Chairman or Chief Executive officer:Empire City Subway Company LimitedW. Rober MudgeOne Verizon Way, 4th Floor, Room # E204Basking Ridge, NJ 07920 Principal Executive Office Empire City Subway Company Limited140 West Street, Room # 1900New York, NY 10007 sent letter to Mr. Quatral requiring complete groundwater delineation (including upgradient well around previous well locations MW-3 and MW-7) and tidal survey at site. letter emailed to Mr. Quatral and Jeff at Envirotrac.received call from Mr. Quatral. Verizon has sold property and will be out of site in couple of weeks. Mr. Quatral hesitate to install any further wells based on soil data and confirmed contamination in neighbouring properties. asked Mr. Quatral to perform required work as stated in letter before pointing any site as source. also asked Mr. Quatral to submit site map with all existing wells on sidewalk near site, towards area which looks like source of existing contamination. also asked to submit new owner's information. Mr. Quatral also asked for letter to DOT requesting permit to remove diesel tank from site. spoke with DEC Austin regarding letter to DOT. Austin mentioned that as there is no soil or groundwater contamination where diesel tank is, no letter should be issued. sent email to Mr. Quatral with this information.12/26/07-Hiralkumar Patel. received call from Mr. Quatral. they sold property and are out of site. as per sale agreement, new owner is taking responsibility of further work. asked

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

Mr. Quatralo to provide new owner's information and confirmation letter from new owner regarding responsibility of investigation. Mr. Quatralo will call back after Jan. 2, 2008.01/11/08-Hiralkumar Patel. received tank closure report from Envirotrac. abstract:- removed one 3000 gal diesel UST, one diesel dispenser, one remote fill and associated subsurface piping- groundwater was encountered within the excavation at an approx. depth of 8 ft bg <----- no holes or cracks were observed in tank or product piping- five endpoint samples collected- no contamination found in endpoint samples sent email to Mr. Quatralo requiring submission of groundwater investigation report (as per letter dated Nov. 27, 2007) also asked for confirmation letter from new owner regarding responsibility of further investigation and any remediation.01/14/08-Hiralkumar Patel. received email from Mr. Quatralo. as per Mr. Quatralo, Verizon Environmental management will do additional soil/groundwater investigation and currently working with new owner to get access for such investigation.new property owner is:Scott ResnickHLC Development Holdings, LLC.375 Park Avenue, Suite 2703New York, NY 10152Ph. (212) 421-1960FAx (212) 421-3095email: SResnick@srcapitalnyc.comleft message for Mr. Resnick.01/17/08-Hiralkumar Patel. sent copy of letter, that was sent on 11/27/07 to old owner, to new owner.03/25/08-Hiralkumar Patel. sent email to Mr. Quatralo and Mr. Resnick to submit updates.received email from Mr. Quatralo. they finished work and will submit report in two weeks.04/08/08-Hiralkumar Patel. received investigation report from Jeff. abstract:- during UST removal, two newly-installed apparent monitoring wells were discovered in the sidewalks to the north and south of the site along west 20th and west 21st streets- the apparent monitoring well identified in the sidewalk of west 20th street was observed to include a manhole cover that resembles a fill port for a tank (but its not a fill port, but a well) <----- installed twenty additional soil borings (B-8 through B-27)- installed twelve additional wells (MW-8 through MW-19)- groundwater was encountered at depths ranging from approx. 9 to 10 ft bg- soil sample collected from immediately above the groundwater interface from the soil borings <----- monitoring wells were installed to an approx. depth of 15 ft bg- groundwater flow direction was calculated to be to the west- analytical results revealed that the liquid phase hydrocarbons (LPH) samples from both MW-12 and MW-17 appear to be of an extremely weathered middle distillate, either diesel fuel or fuel oil. based on analytical report, the age of the LPH collected at MW-12 is estimated to be at least 18+/-2 years and the age of the LPH from MW-17 is estimated to be at least 19+/-2 years <----- groundwater samples were not collected at wells confirmed to contain LPH- only one soil sample found contaminated; B-19 where found 13,000 ppb Naphthalene- found free product in following wells-----MW-3-----MW-9-----MW-11-----MW-12-----MW-13-----MW-17-----MW-18product thickness-----0.05-----0.01-----0.47-----1.02-----0.01-----0.03-----0.15(in ft on 02/15/08)discussed with DEC Austin. he mentioned that as upgradient and downgradient wells are clean, there could be another source on the site. asked to review well logs to make sure proper depth of screen in each well.as per Phase I, site had three ASTs. sent email to Jeff to submit scaled site map with location of all tanks (including ASTs).reviewed tank closure report again. found that groundwater was encountered in tank excavation pit at 8 ft depth. and as per tank closure report, Envirotrac took five endpoint

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

soil samples, but no groundwater sample was taken. no sample taken along underground lines and at remote fill port and dispenser island. from latest subsurface investigation report, found that wells MW-11 and MW-12 have highest thickness of product and both are located in middle of site. and there are no wells between previous diesel tank location and locations of MW-11 and MW-12. spoke with Jeff at Envirotrac. asked him about depth of previous tank invert. Jeff mentioned that tank was installed inside concrete box and groundwater was found right under concrete box. asked Jeff to submit depth of tank invert, excavation and endpoint samples. also asked him location of lines to/from tank. Jeff believes that lines were installed in two layers of concrete, but will confirm that. left message for Mr. Resnick to find future use of property. received call from Mr. Resnick. they are planning to redevelop this entire site. there will be hotel/residential building at site with 7 story above grade and about 1 or 2 levels below grade and as part of redevelopment they will excavate entire site below water table. sent letter to Mr. Resnick and Mr. Quatralo requiring implementation of interim remedial measures (to remove product from wells) and soil/groundwater delineation via installation of monitoring well at previous diesel UST location. also asked to submit RAP including CAMP, endpoint samples, sampling of dewatering discharge (if occurs) and installation of vapor barrier and possible SSDS. letter emailed to Mr. Quatralo, Mr. Resnick and Jeff. 05/07/08-Hiralkumar Patel. received letter from Mr. Quatralo. as Verizon sold the property and as per sales agreement, new owner HLC development will do required remediation. 05/08/08-Hiralkumar Patel. received call from Frank from Roux associates. Frank requested deadline extension as current property owner just got possession. Frank is currently reviewing previous reports and will submit cost estimates for future work. Frank is planning to start work by June 25th, 2008. asked Frank to call back by end of May, 2008 with updates about further work and based on that the department may approve their request. but asked Frank to gauge and recover any free product from wells, immediately. Frank Cherena Roux Associates Ph. (631) 232-2600 email: fcherena@rouxinc.com 05/09/08-Hiralkumar Patel. received email from Frank confirming above conversation. 05/22/08-Hiralkumar Patel. received call from Frank. they will install wells next week and will start gauging and recovery of any product from these wells. 07/10/08-Hiralkumar Patel. spoke with Frank at Roux. they are currently gauging and recovering product from one inch wells. still waiting for approval to install monitoring wells. asked Frank to submit report for work done till date with proposed well location map. left message for Mr. Resnick (new owner). 07/11/08-Hiralkumar Patel. left message for Mr. Resnick to submit work plan for well installation by end of 07/18/08. received call from Frank from Roux. he will submit gauging and product recovery result by end of 07/18/08 and will submit work plan for well installation by 07/31/08. approved his request. 07/23/08-Hiralkumar Patel. received monitoring well gauging report. abstract:- four weekly monitoring and product recovery events were completed from 06/19/08 to 07/15/08- groundwater was observed to flow towards the Hudson river in a west-northwesterly direction- separate-phase petroleum product was observed in five of the 21 wells- approx. 0.50-0.75 gal of separate-phase petroleum product was removed during monitoring period- will submit work plan for installation of wells downgradient from previous tank location well monitoring results (depth of product in

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

EMPIRE CITY SUBWAY GARAGE (Continued)

S108296336

ft):-----02/15/08-----06/19/08-----06/25/08-----07/02/08-----07/15/08MW-3-----0.05-----0.02-----0.02-----0.02-----0.04MW-11-----0.47-----1.05-----0.20-----0.51-----0.59MW-12-----1.02-----2.03-----1.82-----1.65-----1.70MW-13-----0.01-----0.34-----0.04-----0.04MW-17-----0.03-----0.01MW-18-----0.15-----1.03-----1.12-----0.84-----1.4408/12/08-Hiralkumar Patel. received message from Matt Boeckel (631-249-3150) from Tyree environmental. spoke with Matt. they are preparing proposal for required work and he wanted to confirm what needs to be done. explained him that the department requires further groundwater delineation and remediation at the site.09/18/08-Hiralkumar Patel. spoke with Matt at Tyree. he has submitted proposal but haven't heard yet. left message for Mr. Resnick.09/19/08-Hiralkumar Patel. left message for Mr. Resnick.received message from Mr. Resnick's office. lady mentioned that Mr. Resnick doesn't own this property and asked to contact Mr. Neuringer.spoke with Mr. Neuringer. he mentioned that they are currently in planning phase and will not excavate site for at least six months. asked Mr. Neuringer to submit owner's contact info and consultant's contact info. Mr. Neuringer mentioned that they have copies of all previous reports and correspondence from the department and they are working on installation of additional wells. Mr. Neuringer asked to contact Tony Leichter, project manager in his office who will be point of contact.HLC Development LLC \*\*current property owner\*\*c/o CB Developers565 5th AvenueNew York, NY 10017contact: Anthony Leichter \*\*project manager and contact person\*\*Ph. (212) 697-8601 x 225 (914) 659-1989 (C)email: wooster42@aol.comShane NeuringerVP, Aquisitions & DevelopmentCB Developers161 Chrystie Street, 2nd FloorNew York, NY 10002PH. (212) 505-5270Fax (212) 260-7033email: shane@cbdevelopers.comdiscussed with DEC Austin and DEC Urda. they both agreed to send STIP to all three parties: Verizon, HLC Development Holdings LLC. and HLC Development LLC. DEC Urda asked to send STIP letter to all three address of Empire city subway (verizon): Hampstead, Basking Ridge and Manhattan.09/24/08-Hiralkumar Patel. ACRIS record shows that property was sold to HLC Development LLC only and there is no record of HLC Development Holdings LLC.spoke with Mr. Neuringer regarding property ownership. Mr. Neuringer mentioned that property transaction was between Empire city subway and HLC development LLC, but HLC Development Holding LLC was partner in new ownership and then HLC Development Holdings sold their part to main company that is HLC Development LLC. 09/29/08-Hiralkumar Patel. from NYC DOB record found that site is little E restricted for hazmat/noise.multiple addresses: 169-175 10 Ave, 177-183 10 Ave, 500 W 21 St, 501 W 20 Stsent email to Daniel Cole (Ph.: 718-595-4536, email: DanielCo@dep.nyc.gov) requesting project manager's information regarding this "e" site.spoke with Mr. Leichter at CB developers. he mentioned that currently site has vacant building and they are planning to build a hotel.10/01/08-Hiralkumar Patel. spoke with Mr. Cole at DEP. he hasn't found any record yet. sent letter with STIP to Mr. Quatrone at Verizon, Mr. Resnick and Mr. Neuringer requiring further soil/groundwater delineation and submission of RAP according to previous letter dated 04/10/08. sent copy of previous letter with the STIP letter. letter emailed to Mr. Quatrone, Mr. Resnick, Mr. Neuringer and Mr. Cole.10/06/08-Hiralkumar Patel. received call from

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

Matt from Tyree. they have been hired by current property owner. Matt will submit site map with proposed well location and RAP based on groundwater investigation report. Matt BoeckelTyreePh. (508) 922-9044 (C) (631) 249-3150 Ext. 241email: mboeckel@tyreeorg.com10/09/08-Hiralkumar Patel. received signed STIP from HLC Development LLC. signed STIP forwarded to regional director for execution.10/10/08-Hiralkumar Patel. received fully executed STIP from regional director. sent copy (mail and email) of final STIP to Mr. Neuringer.10/17/08-Hiralkumar Patel. received message from Matt from Tyree. they are planning to install wells next week.10/21/08-Hiralkumar Patel. left message for Matt to send site map with proposed well locations, before any drilling.11/06/08-Hiralkumar Patel. received fax from Matt with proposed well locations. Matt proposed to install four more wells: two wells between previous diesel tank and MW-12, one on northeast side of MW-12 and one southwest side of MW-18 along property boundry.left message for Matt. asked him to install one well at previous tank location itself.11/14/08-Hiralkumar Patel. received message from Matt. left message for Matt.received call from Matt. he mentioned that due to presence of art gallery people inside building, they can't pump out product until first week of Dec. discussed with DEC Austin and he mentioned that the department can't wait such long as free product in well. spoke to Matt. and asked him to pump out product as per required schedule. he will send crew on monday 11/17/08. also asked to submit revised site map with proposed well locations.11/25/08-Hiralkumar Patel. left message for Matt. left message for Mr. Neuringer. recived call from Matt. they are pumping out product from wells via small pump and will use vacuum truck next week. will send revised site map with proposed well locations and wells will be installed in second or third week of DEc. 08.receivec call from Mr. Neuringer and Mr. Leichter. they confirmed that revised map will be submitted today/tomorrow and will start well installation in next month.11/26/08-Hiralkumar Patel. received revised site plan with proposed well locations. sent email to Matt, Mr. Neuringer and Mr. Leichter approving proposed well locations and asked Matt to notify a week before drilling.12/05/08-Hiralkumar Patel. left message for Matt regarding well installation dates.12/12/08-Hiralkumar Patel. left message for Matt regarding well installation dates.01/16/09-Hiralkumar Patel. received weekly monitoring report from Tyree. increased product thickness was observed in all wells during monitoring on 11/21/08 and then product thickness reduced. no monitoring and product recovery happened from 07/15/08 to 11/21/08. found product in wells MW-09 and MW-14 where no product was found before 07/15/2008. will do weekly monitoring and product removal and will sample all wells by end of this month (quarterly sampling).Matt mentioned that they are waiting for third bid for well installation and will install well soon once contractor decided. he asked whether 2 inch wells acceptable.sent email to Matt requiring installation of 4 inch wells (as suspecting free product based on product in other wells).received email from Matt. due to space restriction in one of the proposed well location, inside office area, Matt asked if 2 inch well accpeted in one location.sent email to Matt approving installation of one 2 inch well and asked to put remaining 4 inch wells.02/03/09-Hiralkumar Patel. received well monitoring/product removal report. product thickness increase during well gauging on 01/09/09. total of approx. 471 gal of product and contaminated water was removed in Jan. 2009.02/04/09-Hiralkumar Patel. left message for

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

Matt inquiring work schedule for required wells installation. spoke with Mr. Leichter regarding well installation work schedule. will call back. 02/23/08-Hiralkumar Patel. left message for Matt. spoke with Mr. Leichter regarding well installation. he will call back by tomorrow. received message from Matt. they installed wells on 02/11/09 and collected groundwater samples from all wells. will submit groundwater sampling report once data available from lab. 03/03/09-Hiralkumar Patel. received email from Matt with well monitoring/gauging report for Feb. 2009. depth to water at the site ranged from 7 to 10 ft bg. product thickness ranged from 0.01 to 1.07 ft. total of approx. 520 gal of product and contaminated water removed in Feb. 2009. 03/19/09-Hiralkumar Patel. received email from Matt. will submit report by 03/27/09. 04/02/09-Hiralkumar Patel. received monthly groundwater monitoring and product recovery report for month of March. product thickness during the monitoring period ranged from 0.02 ft to 1.01 ft. total of approx. 483 gal of product and contaminated groundwater removed. 04/08/09-Hiralkumar Patel. received monitoring well installation report. abstract:- original scope of work was to install 4 monitoring wells. total of two wells (MW-20 and MW-21) were installed. total of six additional attempts were made to install two wells in the approved locations however due to refusal the wells could not be installed- two soil samples were collected (at 5-10 ft and 10-15 ft bg) from each well borings for analysis- groundwater was encountered at approx. 9 ft bg <----- well screen installed from 5 ft to 12.5 ft depth- no PID readings noticed during well installation- no VOC contamination found in soil samples- high SVOC contamination found in soil samples below 5 ft depth- no groundwater samples collected at this time, samples will be collected separately received quarterly monitoring report. abstract:- groundwater samples collected from total of 23 wells (21 installed by owner and two previously installed unknown wells)- found high naphthalene in samples from wells MW-3 (135 ppb), MW-8 (821 ppb), MW-12 (436 ppb), MW-13 (848 ppb) and MW-14 (1,180 ppb)- found MTBE in wells MW-13 (103 ppb) and MW-14 (240 ppb)- found minor contamination of other VOCs in wells- recommends to continue weekly monitoring and EFR events and samples on a quarterly basis 04/09/09-Hiralkumar Patel. discussed with DEC Austin. he asked for tidal survey, confirmation of groundwater flow direction and off-site groundwater investigation towards west of the property. 04/10/09-Hiralkumar Patel. visited site. saw tyree crew on-site pumping product out from seven wells which had product. visited adjacent site on west side (downgradient). there is a building material supply business on adjacent property at 507-509 W 20th Street (alternate address: 506-508 W 21 St) which is downgradient from the subject spill site. met with Cesar Chavez at Kamco supply corp. at 507 W 20th street. informed him about spill next door and possible soil/groundwater investigation inside building. he agreed to allow consultant to perform required investigation work. spoke with Alan Swerdlick, business owner. he asked to contact Ray Barter in his office to get property owner's info. left message for Mr. Barter. Kamco Supply Corp. \*\*business at 507 W 20th street\*\* Alan Swerdlick \*\*business owner\*\* 80 21st Street Brooklyn, NY 11232 contact: Ray Barter \*\*vice president of financial matters at Kamco\*\* Ph. (718) 768-1234 Fax (718) 788-8607 email: rbarter@kamco.com Cesar Chavez \*\*business manager at Kamco\*\* Ph. (212) 736-7350 Fax (212) 564-6436 email: cchavez@kamco.com spoke with Mr. Azani, property owner of 507 W 20th street and informed him about current situation and

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

future investigation work on his property.Liron Realty Inc.  
\*\*property owner of 507 W 20th street\*\*2025 Broadway, # 28BNew York,  
NY 10023-5017contact: Shalom AzaniPh. (917) 498-2773 (C)Fax (212)  
496-1846sent letter to Mr. Neuringer requiring off-site soil/gw  
investigation at 507 W 20th street & tidal survey of all wells.  
letter emailed to Mr. Neuringer, Matt, Mr. Barter and Mr. Quatrale.  
letter faxed to Mr. Azani.04/10/09-Hiralkumar Patel. received message  
from Matt.04/15/09-Hiralkumar Patel. left message for  
Matt.04/16/09-Hiralkumar Patel. received call from Matt. he will  
contact owner/tenant at 507 W 20th street and will visit the site. he  
also mentioned about tidal survey. he believes that tidal survey will  
not help in this case and he suggest not to do so. asked him to visit  
neighbour's site and to submit proposed well location map and  
explanation for not doing tidal survey.04/24/09-Hiralkumar Patel.  
received email from Matt requesting to extend deadline for report  
submission.04/29/09-Hiralkumar Patel. spoke with Matt. he is going  
to site tomorrow morning and then will submit work plan with proposed  
well location on adjacent property. he is expecting to submit report  
by end of May 2009. approved his request to extend  
deadline.05/05/09-Hiralkumar Patel. received monthly report from  
Matt. product thickness during monitoring period ranged from 0.02 ft  
to 1.10 ft.05/12/09-Hiralkumar Patel. received email from Matt. he  
asked for approval to install 2-inch diameter wells for off-site  
investigation.05/14/09-Hiralkumar Patel. sent email to Matt requiring  
to install 4-inch diameter wells (not 2-inch) which can be used in  
future.06/04/09-Hiralkumar Patel.11:30 AM:- received email from Matt  
with monthly status report for May 2009. product thickness ranged  
from 0.01 ft to 0.92 ft. total of approx. 500 gal of product and  
contaminated groundwater was removed in May 2009. about 0.5 ft of  
product re-appeared in well MW-11. no product was measured in well  
MW-11 since 02/26/09.06/25/09-Hiralkumar Patel. 3:12 PM:- received  
quarterly monitoring report. abstract:- groundwater samples collected  
from total of 23 wells (21 installed by owner and two previously  
installed unknown wells)- found minor contamination in wells-  
recommends to continue weekly monitoring and EFR events and samples  
on a quarterly basis07/06/09-Hiralkumar Patel.11:13 AM:- received  
call from Mr. Neuringer. he got proposals for off-site well  
installation and will start soon. he will ask Matt to call back with  
work schedule.07/06/09-Hiralkumar Patel.3:19 PM:-received email from  
Matt with monthly status report for June 2009. product thickness  
ranged from 0.02 ft to 1.17 ft. total of approx. 428 gal of product  
and contaminated groundwater was removed in June 2009. four wells are  
proposed to be installed along the adjacent down-gradient property in  
July 2009.07/15/09-Hiralkumar Patel.4:46 PM:- received email from  
Matt. offsite wells will be installed on  
07/30/09-07/31/09.08/06/09-Hiralkumar Patel.4:19 PM:- received  
monthly monitoring report from Matt. product thickness ranged from  
0.00 ft to 1.24 ft. total of approx. 362 gal of product and  
contaminated groundwater was removed in July 2009.09/02/09-Hiralkumar  
Patel.4:31 PM:- received off-site monitoring well installation  
report. abstract:- three monitoring wells (MW-22, MW-23 and MW-24)  
were installed- wells were set at 13 ft bg- soil samples were  
collected in continour 5 ft intervals starting at ground surface to a  
depth of 10 ft bg- soil samples collected at 5 to 10 ft bg from each  
well location were submitted for analysis- groundwater was found at  
about 8 ft bg- no contamination found in soil samples- will submit  
groundwater sampling report separately09/03/09-Hiralkumar Patel.12:10

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

PM:- received monthly status report for Aug. 2009. product thickness ranged from 0.00 ft to 1.19 ft. total of approx. 493 gal of product and contaminated groundwater was removed in Aug. 2009.09/16/09-Hiralkumar Patel.12:20 PM:- received quarterly groundwater sampling report. found free product in wells MW-3, MW-9, MW-11, MW-12, MW-13, MW-14 and MW-18. product thickness ranged from non-detectable to 1.19 ft. total of 26 wells sampled (including 3 recently installed wells on adjacent downgradient property). next quarterly well sampling will happen in Nov. 2009. very minor dissolved contamination found in few wells.09/23/09-Hiralkumar Patel.2:28 PM:- spoke with Matt regarding any product found in off-site wells as no data in recently submitted quarterly sampling report. Matt mentioned that no product was found earlier, but product found in off-site wells in month of September 2009. will submit monthly report in Oct. 2009.10/01/09-Hiralkumar Patel.10:36 AM:- received monthly status report for Sept. 2009. product thickness ranged from 0.00 ft to 0.75 ft. total of approx. 546 gal of product and contaminated groundwater was removed in Sept. 2009. product re-appeared in well MW-9 (last seen on 05/29/09). found 0.48 to 0.66 ft product in off-site well MW-24.10/06/09-Hiralkumar Patel. discussed with DEC Austin and DEC Vadim. based on available information, case transferred to DEC Vadim.11:19 AM:- sent email to Matt and informed about case transfer.summary:- one 3000 gal diesel tank was located in garage area, no contamination found in endpoint soil samples after removal of the tank- no spills or tank test failure associated with diesel tank- groundwater at 8-9 ft bg- according to subsurface investigation, conducted in Dec. 2006, gw flow direction was determined westerly during high tide and southwesterly during low tide- according to phase I, three self contained ASTs were identified in maintenance area, a 1000 gal fuel oil AST had been removed from the southern vault in 1997- auto body shops located on west side of property (downgradient from the site)- elevated abandoned railroad is located adjacent to western property boundary, above auto body shops- as per sanborn map of 1895, manufactured gas plant (MGP) was located on 11th ave between 19th and 20th streets, on 10th ave between 18th and 19th street and on 18th street, east of 10th ave <----- according to Additional subsurface investigation report, from March 2008: analytical results for product samples from MW-12 and MW-17 shows that product appears to be of an extremely weathered middle distillate, either diesel fuel or fuel oil. based on analyticals result, age of the LPH at MW-12 is estimated to be at least 18+/-2 years and age of LPH from MW-17 is estimated to be at least 19+/-2 years <----- (this could be from previous heating oil tanks on property)- fill material and medium to fine grained sand found in all borings/wells to depth of 15 ft- owner is planning to develop this site as hotel/residential complex- found free product in off-site well, downgradient from the site- e-designated site <-----11/03/2009: This spill case was transferred to A. Doronova. - AD01/11/2010: Received a Quarterly Monitoring report for the period of September - November 2009. Will review. AD02/02/2010: Reviewed the report. It states that there 26 GW monitoring wells. During the monitoring period free product was detected in 10 wells: MW-3, MW-7, MW-9, MW-11, MW-12, MW-13, MW-14, MW-18, MW-23 and MW-24. The product thickness ranged from non-detectable to 1.19 ft. The free product is removed on a weekly basis using VEFR. Since November 2008 a total of 5,939 gallons of free product/GW mixture have been removed from the site. Total of 26 wells sampled. Total VOCs ranged from ND to 571ppb

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

(MW-13) and total SVOCs ranged from ND to 2,298ppb (MW-13). Product absorbent socks will be placed into wells containing free product. Weekly EFR events and quarterly GW monitoring will continue at the site. GW contour map is absent. To request wells survey. AD02/04/2010: Received a Summary Monitoring report for January 2010. Will review. AD03/08/2010: Reviewed the summary report. It states that there are 26 GW monitoring wells. The work completed included monitoring of the wells for depth to water and product (if present). Recovery of a free product was performed using VEFR. During the monitoring period free product was detected in 7 wells: MW-3 (0.03'), MW-7 (0.01'), MW-9, MW-12(0.37'), MW-13 (0.04'), MW-14(0.21'), MW-18(0.43'), and MW-24(0.12'). The product thickness ranged from non-detectable to 0.43 ft. The free product is removed on a weekly basis using VEFR. Since November 2008 a total of 6,381 gallons of free product/GW mixture have been removed from the site. Product absorbent socks have been placed into wells containing free product. Weekly EFR events and quarterly GW monitoring will continue at the site. AD03/10/2010: Received a Quarterly Monitoring report for the period of December 2009 through February 2010. Will review. AD03/30/2010: Reviewed the quarterly monitoring report prepared by Tyree. It states that during the monitoring period 9 wells out of 26 contained free product: MW-3, MW-7, MW-9, MW-11, MW-12, MW-13, MW-14, MW-18 and MW-24. The product thickness ranged from ND to 1.19 ft. The work completed included monitoring of the wells for depth to water and product (if present) and sampling of the wells. Recovery of a free product was performed using weekly VEFR. Since November 2008 a total of 6,791 gallons of free product/GW mixture have been removed from the site. 24 GW wells were sampled for VOCs and SVOCs. Total VOCs ranged from ND to 832ppb (MW-12); and SVOCs ranged from ND to 1,312ppb (MW-13). Weekly EFR events and quarterly GW monitoring will continue at the site. AD04/01/2010: Received a Summary Monitoring report for March 2010. Will review. AD04/21/2010: Reviewed the summary report. It states that work completed included monitoring of the wells for depth to water and product (if present). Recovery of a free product was performed using VEFR. During the monitoring period in the beginning of March, free product was detected in 5 wells: MW-3 (0.03'), MW-12(0.82'), MW-13 (0.29'), MW-14(1.59') and MW-18(0.21'). The product thickness ranged from 0.01' to 1.59 ft. In the end of March - free product was detected in three wells: MW-11 (0.49'), MW-12 (0.32') and MW-18 (0.50'). The free product is removed on a weekly basis using VEFR. A total of 586 gallons of free product/GW mixture have been removed from the site during March 2010. Product absorbent socks have been placed into wells MW-23 and MW-24. Weekly EFR events and quarterly GW monitoring will continue at the site. AD05/06/2010: Received a Summary Monitoring report for April 2010. Will review. AD05/12/2010: Reviewed the summary report. It states that there are 26 GW monitoring wells at the site. The work completed included monitoring of the wells for depth to water and product (if present). Recovery of a free product was performed using VEFR. During the monitoring period in the beginning of April, free product was detected in 3 wells: MW-11(0.63'), MW-12 (0.92') and MW-18(0.68'). In the end of April - free product was detected in 2 wells: MW-11 (0.70'), and MW-18(0.86'). Well MW-12 was not sampled in the end of April. The free product is removed on a weekly basis using VEFR. A total of 548 gallons of free product/GW mixture have been removed from the site during April 2010. Product absorbent socks have been placed into wells MW-23 and MW-24. Weekly EFR events and quarterly GW monitoring

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

will continue at the site. ADReceived a phone call from Mr. Eric Telemaque of Etex Corp. (212)631-9000. His company is a new consultant for the site. He asked for latest reports from Tyree. Told him to submit FOIL request to DEC. AD06/01/2010: Received a Summary Monitoring report for May 2010. Will review. AD09/2010: Reviewed the summary report. The work completed included monitoring of the wells for depth to water and product (if present). Recovery of a free product was performed using VEFR. During the monitoring period on May 14, 2010, free product was detected in 2 wells: MW-11(0.38') and MW-18(0.50'). A total of 97 gallons of free product/GW mixture have been removed from the site during May 2010. Product absorbent socks have been placed into wells MW-23 and MW-24. Weekly EFR events and quarterly GW monitoring will continue at the site. AD09/14/2011: Called and left a message to Mr. Boeckel of Tyree. AD09/15/2011: Called and left a message to Mr. Eric Telemaque of EMTEQUE Corp. (212)631-9000. AD09/16/2011: Called and left a message to Mr. Resnick of HLC Development LLC (site owner). AD09/20/2011: Received a message from Mr. Resnick of HLC Developments LLC. This site is no longer owned by HLC DDevelopment. The new owner of the site is: Sherwood Equities, contact phone number - 212-980-8000. Called to Sherwood Equities and spoke with Paul Callan (212-515-1414). He said that remediation continue at the site and that Mr. Mitch Soloman (vice-president of construction of Sherwood Equities) will get back to me with info on consulting company performing the remediation. Later received a call from Mr. Soloman. He said that Sherwood Equities plan to do some re-development project at the site and will excavate contaminated soils during this re-development. Asked him about approximate start date of the construction. He told me that it will probably begin in a year. Explained to Mr. Soloman that the site should be monitored during this waiting period, because it has history of a free product and already has not been not monitored for a year. Mr. Soloman said that they have consultant company which oversees demolition and asbestos cleanup at their properties (EMTEQUE Corp. - Mr. Eric Telemaque). Mr. Telemaque will contact DEC. AD09/23/2011: Received a phone call from Mr. Telemaque. Discussed with him the next course of actions for the site. He proposed monthly EFR events until disappearance of the free product, after that start groundwater sampling. Requested him to submit this proposal for review and approval. AD11/01/2011: Did not received the proposal. Called and spoke with Mr. Telemaque of EMTEQUE. He told me that he sent an e-mail to me on September 27, 2011. Informed him that e-mail was not received. It was clarified that Mr. Telemaque used wrong e-address. He re-sent that e-mail to the correct address and it says:"From: Eric Telemaque [mailto:eric@emteque.com] Sent: Tuesday, September 27, 2011 8:35 AMTo: 'axdoronova@gw.dec.state.ny.us'Subject: 169 10th Avenue - Spill 06-09814Ainura,As discussed, we have been retained by the owner to advise them on the open spill for this site. They are in the process of meeting with architects and engineers for the design of the development of a new facility at this location at which time, they will undertake an aggressive program through excavation for foundation to address the spill at the site. As an interim measure, we are proposing the evacuation of free product along with some dissolved components from the existing wells on site. This work will be performed once a month and will include gauging of the wells as well. On a quarterly basis, this information shall be summarized in a report issued to NYSDEC.As long as free product continues to exist in the wells, sampling for VOCs and SVOCs will not

MAP FINDINGS

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

be performed. Once free product is absent, we would develop and propose a sampling program to NYSDEC. If this meets with the NYSDEC's approval and we commence the well evacuation immediately. Please advise. Eric M. Telemaque, President, EMTEQUE Corporation, 505 Eighth Avenue, Suite 900, New York, NY 10018-4546, 212.631.9000, Office: 646.529.6526, Cellular: 212.631.8066, Fax: eric@emteque.com, www.emteque.com. Will review. AD11/02/2011: Reviewed the previous reports. Last GW sampling was performed in March of 2009. Discussed the monthly EFR proposal with J. Kolleeny of DEC. Baseline GW sampling is needed. Called and spoke with Mr. Telemaque. Requested baseline GW sampling of site perimeter wells and few site wells. He will discuss this request with the site owner. AD12/08/2011: Received a phone call from Mr. Telemaque. He informed me that they performed a GW sampling at the site, and asked for further actions. Required to prepare a summary report with recommendations for DEC review. He will submit the report shortly. AD12/14/2011: Received an e-mail from Mr. Telemaque saying: "Ainura, Please review and call to discuss at your convenience. Report is being forwarded as a draft, once final hard copy of results are received from the lab, we will resubmit. Regards, Eric M. Telemaque, President, Emteque LLC, 505 Eighth Avenue, Suite 900, New York, NY 10018-4546, 212.631.9000, Office: 646.529.6526, Cellular: 212.631.8066, Fax: AD02/09/2012; Reviewed the report. It states that Emteque visited the site on November 19, 2011, to gauge and sample the wells. Free product was detected in wells MW-11 (0.66'), MW-12 (0.72') and MW-18 (0.81'). SVOCs were detected in wells: MW-11 (3,713ppb), MW-12 (4,364ppb), MW-17 (5,950ppb) and MW-18 (6,650ppb). Low levels of TVOCs were detected in wells: MW-11 (14ppb), MW-12 (111.8ppb), MW-17 (6.5ppb) and MW-18 (59.4ppb). Based on the data the consultant states that groundwater contamination has decreased in the wells in comparison with 2010 GW sampling, but that free products is still present in three wells. Emteque recommends to perform monthly product recovery and quarterly GW sampling at the site. Once free product is absent, a more aggressive approach to remediate the site will be proposed. AD11/02/2011: Talked with Mr. Telemaque regarding site monitoring and free product recovery proposal. Approved Emteque's recommendations. Next report is due. AD07/02/2012: Received May 2012 groundwater monitoring report from Emteque. No pdf copy was submitted to request e-copy of the report. Sent an e-mail to Mr. Telemaque of Emteque with a request to submit CD with pdf copy of the report. Later in the day received an e-mail with attached pdf copy of the report. DL the report to eDocs. Will review. AD08/07/2012: Reviewed the report. It states that that Emteque visited the site on May 24, 2012, to gauge and sample the wells. There are a total of 26 monitoring wells at the site. Emteque gauges and samples ten selected wells. Those wells are: MW-5, MW-6, MW-11, MW-12, MW-16, MW-17, MW-18, MW-23, MW-24 and MW-Unknown North. Free product was detected in 5 wells MW-11 (1.39'), MW-12 (2.19'), MW-17 (0.68'), MW-18 (1.45') and MW-24 (0.22'). Approximately 150 gallons of free product/GW mixture was recovered from the wells. After free product was removed from the wells, GW samples were collected for lab analysis. SVOCs were detected in wells: MW-11 (275ppb), MW-12 (712ppb), MW-17 (1070ppb) and MW-18 (1372ppb). Low levels of TVOCs were detected in MW-11 (11ppb), MW-12 (63ppb), MW-17 (20ppb) and MW-18 (38ppb). Emteque will continue performing monthly product recovery and quarterly GW sampling at the site. Once free product is absent, a more aggressive approach to remediate the site will be proposed. AD10/22/2012: Sent an e-mail to Mr. Telemaque of

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

Emteque with a requirement to submit a next report by November 2, 2012. later in the day received an e-mail from Mr. Telemaque saying that the report is ready and will be submitted by e-mail shortly. Around 11:00 AM I received the report via e-mail. DL it to eDocs. Took a quick look at the submitted report. Summary tables with analytical data, site plan and GW contour map are missing. Called and spoke with Jim Blaney of Emteque (cell: 609-613-2004). Requested to submit all missing data. Also mentioned that all site-related well should be sampled on next quarterly round. AD11/14/2012: Received an e-mail from Chawla, Shaminder of OER which states that developer for this site wants to enter City Voluntary Cleanup Program. Developer has proposed remedial investigation work involving eight soil borings, 6 soil vapor points and monitoring 4 existing groundwater wells for full analysis. OER would like to discuss this investigation proposal and proposed remediation through 17 feet of excavation with DEC. Sent available dates for a meeting to Paul John of DEC. AD11/21/2012: Reviewed the report. It states that Emteque visited the site on May 24, 2012, to gauge and sample the wells. There are a total of 26 monitoring wells at the site. Emteque gauges and samples ten selected wells on August 22, 2012. Those wells are: MW-5, MW-6, MW-11, MW-12, MW-16, MW-17, MW-18, MW-23, MW-24 and MW-Unknown North. On September 28, 2012 gauging event free product was detected in 5 wells MW-12 (0.24'), MW-17 (0.96') MW-18 (0.02'), MW-23 (0.04) and MW-24 (0.21'). Approximately 420 gallons of free product/GW mixture was recovered from the wells. After free product was removed from the wells, GW samples were collected for lab analysis. SVOCs were detected in wells: MW-11 (633ppb), MW-12 (358ppb), MW-17 (27ppb) and MW-18 (104ppb). Low levels of TVOCs were detected in MW-11 (6ppb), MW-12 (26ppb), MW-23 (26ppb), MW-24 (122ppb) and MW-18 (13ppb). In general terms, both VOC and SVOC groundwater impacts appear to be attenuating over time when compared to the May 2012 data. Emteque will continue performing monthly product recovery and quarterly GW sampling at the site. Emteque's next well monitoring is scheduled for October, 2012. AD11/26/2012: Received the following e-mail from Impact Environmental: "Ms. Doronova, Attached please find a Notification of New Environmental Consultant for; NYSDEC Spill No. 06209814169 10th Avenue, New York NY Best Regards, Ben Hernandez Salazar Environmental Engineer IMPACT ENVIRONMENTAL - welcome to solid ground. www.impactenvironmental.com" There is a letter attachment, which states that Impact Env. will perform IRM and GW monitoring at the site. AD 11/30/2012: Received a phone call from Kevin Kleaka of Impact Environmental. Discussed the site conditions and further required actions for the site. Later received the following e-mail from Mr. Kleaka: "Ainuna, As per our discussion today, this email shall memorialize the existing groundwater wells required for sampling by the NYSDEC for the above referenced site with respect to the 4th quarter 2012. The existing groundwater wells to be sampled and testing requirements shall be as follows: Twelve (12) existing monitoring wells: MW-5, MW-13, MW-14, MW-15, MW-16, MW-22, MW-23, MW-24, MW-19, Unknown Well-South, Unknown Well-North and Unknown Well (10th Ave). The wells will be sampled for dissolved phase contamination if they do not indicate the presence of LNAPL or free phase product. If free phase product is present, its thickness will be reported and the groundwater will not be analyzed for dissolved concentrations. The analysis of the groundwater sampled from the wells will be performed to include VOCs and SVOCs for the gasoline and fuel oil contamination compound list (Table 3 list from CP-51).

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EMPIRE CITY SUBWAY GARAGE (Continued)**

**S108296336**

In addition, monthly well gauging and product recovery will continue as previously performed. A groundwater survey will be performed to measure water table elevations and determine flow direction. Thank you, please contact me with any comments or misunderstandings. Kevin Kleaka Vice President IMPACT ENVIRONMENTAL www.impactenvironmental.com Corporate Headquarters 170 Keyland Court | Bohemia | NY | 11716T | 631.269.8800 C | 516.805.8892 F | 631-269-1599 AD12/20/2012: Had a conference call meeting with OER and Impact Environment regarding handling of the project by all involved parties. Scheduled tentative scope meeting on January 10, 2012. 01/10/2013: I and J. Kolleeny attended a meeting with Breanna Gribble of OER; Kevin Kleaka, Ben Hernandez, Joel Rogers of Impact Environmental and Jason Roth of Sherwood Equities. DEC met with the RP's consultant and NYCOER staff to discuss the proposed remedial actions and end-point sampling requirements. On the meeting RAP preparation, reporting and other remediation related issues were discussed. It was agreed that one RAWP addressing both DEC's and OER's concerns will be prepared, rather than two separate RAWPs, and that post-remediation groundwater monitoring will be included in the RAWP. The final RAWP will be submitted to DEC soon. 01/30/2013: Received a RAP. The first page of the RAP addressed only to OER. Sent an e-mail to Ben Hernandez of Impact Env. with a request to include DEC. AD02/07/2013: Received the revised RAP. Reviewed the RAP. The consultant proposed excavation of contaminated soil during site redevelopment. The entire site will be excavated down to 14-17 feet below grade, with dewatering. End-point soil samples will be collected and a waterproof membrane will be installed beneath the planned on-site building to prevent intrusion of any residual petroleum vapors. Remediation is scheduled to begin in March of 2013. End-point soil samples are planned to be collected every 30 linear feet. Site plan with the proposed end-point soil sampling locations is missing. DEC is not included in the new spill, citizen complains or RAP modifications reporting. The RAP needs to be revised. AD02/11/2013: Spoke with Ben. Required to revise the RAP to include DEC in notifications and reporting process. Also requested to add a site map with a end-point soil sampling locations. AD material could be gasoline or fuel oil or even a mixture; INSTALLED SEVERAL WELLS AND CONTAMINATION SEEMS TO BE COMING FROM OFF SIGHT; NOT YET CLEAN;

Remarks:

Material:

Site ID: 374150  
Operable Unit ID: 1131827  
Operable Unit: 01  
Material ID: 2121539  
Material Code: 0064A  
Material Name: UNKNOWN MATERIAL  
Case No.: Not reported  
Material FA: Other  
Quantity: Not reported  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**325**  
**NNE**  
**1/4-1/2**  
**0.358 mi.**  
**1892 ft.**

**CONSTRUCTION SITE**  
**555 WEST 35TH ST**  
**MANHATTAN, NY**

**NY Spills**    **S109416018**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

Facility ID: 0813130  
DER Facility ID: 360044  
Facility Type: ER  
Site ID: 410803  
DEC Region: 2  
Spill Date: 3/3/2009  
Spill Number/Closed Date: 0813130 / 3/6/2009  
Spill Cause: Human Error  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**Actual:**  
**31 ft.**

**SWIS:** 3101  
Investigator: smsanges  
Referred To: Not reported  
Reported to Dept: 3/6/2009  
CID: Not reported  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 3/6/2009  
Spill Record Last Update: 3/6/2009  
Spiller Name: DAVE WALBOURNE  
Spiller Company: S3 II TUNNEL CONSTRUCTORS  
Spiller Address: 555 WEST 35TH ST  
Spiller City,St,Zip: MANHATTAN, NY  
Spiller Company: 999  
Contact Name: DAVE WALBOURNE  
Contact Phone: Not reported  
DEC Memo:

**Remarks:**

Sangesland spoke to Dave Walbourne. He says the spill was at street level from a diesel fuel tank. Spilled to a cement contained area. Absorbant pads were used, all cleaned up and in drums. No drains or soil impacted.  
Caller states an employee left a valve open and spilled fuel to the concrete slab. Cleanup was done and places in barrels.

**Material:**

Site ID: 410803  
Operable Unit ID: 1167271  
Operable Unit: 01  
Material ID: 2158818  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 20  
Units: Gallons  
Recovered: Not reported  
Resource Affected: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CONSTRUCTION SITE (Continued)**

**S109416018**

Oxygenate: False

Tank Test:

**AY326**  
**ESE**  
**1/4-1/2**  
**0.359 mi.**  
**1894 ft.**

**335 WEST 29TH ST**  
**MANHATTEN, NY**  
**Site 2 of 3 in cluster AY**

**NY Spills S104879725**  
**N/A**

**Relative:**  
**Higher**

**SPILLS:**

**Actual:**  
**29 ft.**

Facility ID: 0010302  
 DER Facility ID: 216934  
 Facility Type: ER  
 Site ID: 266190  
 DEC Region: 2  
 Spill Date: 12/13/2000  
 Spill Number/Closed Date: 0010302 / 11/16/2005  
 Spill Cause: Unknown  
 Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

**SWIS:**  
 3101  
 Investigator: LJALDEN  
 Referred To: Not reported  
 Reported to Dept: 12/13/2000  
 CID: 257  
 Water Affected: Not reported  
 Spill Source: Commercial Vehicle  
 Spill Notifier: Fire Department  
 Cleanup Ceased: Not reported  
 Cleanup Meets Std: False  
 Last Inspection: Not reported  
 Recommended Penalty: False  
 UST Trust: False  
 Remediation Phase: 0  
 Date Entered In Computer: 12/13/2000  
 Spill Record Last Update: 11/16/2005  
 Spiller Name: Not reported  
 Spiller Company: M B OIL COMPANY  
 Spiller Address: Not reported  
 Spiller City,St,Zip: ZZ  
 Spiller Company: 001  
 Contact Name: DISPT #441  
 Contact Phone: (212) 570-4300  
 DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "KRIMGOLD"see 0010303.01/26/04Transferred from Rommel to Austin02/17/04: Reassigned from AUSTIN to KRIMGOLD.11/16/05 - L. Alden - Review of Spill #0010303 showed that this same spill was reported twice. Remarks for #0010303 stated that cleanup was to start and that 50 gallons of oil were spilled and 50 gallons of oil were recovered. Rommel closed #0010303 on 1/9/01. Searched for "M&B Oil" and "M B Oil" in yellow pages and found no listing. Even if this spill were only marginally cleaned up (not likely with fire dept. and sanitation on the scene), the likelihood of there being a problem now is minuscule. Closed spill on 11/16/05.

Remarks: ABOUT 25-50 GALS LEAKED SPILL IS CONTAINED AND TRUCK WAS OFF LOADED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S104879725

Material:  
Site ID: 266190  
Operable Unit ID: 831282  
Operable Unit: 01  
Material ID: 544213  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

AY327  
ESE  
1/4-1/2  
0.359 mi.  
1894 ft.

335 W. 29TH STREET  
335 W. 29TH STREET  
MANHATTAN, NY  
Site 3 of 3 in cluster AY

NY Spills S104881039  
N/A

Relative:  
Higher

SPILLS:

Actual:  
29 ft.

Facility ID: 0010303  
DER Facility ID: 79373  
Facility Type: ER  
Site ID: 86541  
DEC Region: 2  
Spill Date: 12/13/2000  
Spill Number/Closed Date: 0010303 / 1/9/2001  
Spill Cause: Unknown  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
SWIS: 3101  
Investigator: JMROMMEL  
Referred To: Not reported  
Reported to Dept: 12/13/2000  
CID: 389  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Federal Government  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: False  
Remediation Phase: 0  
Date Entered In Computer: 12/13/2000  
Spill Record Last Update: 1/9/2001  
Spiller Name: Not reported  
Spiller Company: M & B OIL COMPANY  
Spiller Address: Not reported  
Spiller City,St,Zip: ZZ  
Spiller Company: 001  
Contact Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**335 W. 29TH STREET (Continued)**

**S104881039**

Contact Phone: Not reported  
DEC Memo: Prior to Sept, 2004 data translation this spill Lead\_DEC Field was "ROMMEL"See 0010302.  
Remarks: CALLER REPORTING A SPILL OF MATERIAL APPROX 25-50 GAL. UNKN HOW IT WAS SPILLED ONLY INFO GIVEN WAS THAT IT HAPPENED ON A DELIEVERY FIRE DEPARTMENT AND SANITATION IS ON SCENE AND CLEAN UP IS GOING TO START NO CALLBACK NECESSARY  
Material:  
Site ID: 86541  
Operable Unit ID: 831284  
Operable Unit: 01  
Material ID: 544214  
Material Code: 0001A  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50  
Units: Gallons  
Recovered: 50  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**BB328**  
**SSW**  
**1/4-1/2**  
**0.359 mi.**  
**1897 ft.**

**OLD GAS STATION**  
**10TH AV / 20TH ST**  
**MANHATTAN, NY**  
**Site 3 of 4 in cluster BB**

**NY Spills S104195688**  
**N/A**

**Relative:**  
**Lower**

**SPILLS:**  
Facility ID: 9907805  
DER Facility ID: 143100  
Facility Type: ER  
Site ID: 170063  
DEC Region: 2  
Spill Date: 9/28/1999  
Spill Number/Closed Date: 9907805 / 3/4/2003  
Spill Cause: Housekeeping  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
**SWIS:**  
Investigator: TOMASELLO  
Referred To: Not reported  
Reported to Dept: 9/28/1999  
CID: 312  
Water Affected: Not reported  
Spill Source: Gasoline Station  
Spill Notifier: Affected Persons  
Cleanup Ceased: Not reported  
Cleanup Meets Std: False  
Last Inspection: Not reported  
Recommended Penalty: False  
UST Trust: True  
Remediation Phase: 0  
Date Entered In Computer: 9/28/1999

**Actual:**  
**11 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OLD GAS STATION (Continued)**

**S104195688**

Spill Record Last Update: 3/4/2003  
Spiller Name: Not reported  
Spiller Company: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: \*\*\*Update\*\*\*, ZZ  
Spiller Company: 001  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Memo: Not reported  
Remarks: DIGGING UP THE OLD TANKS AT THE OLD GAS STATION - SEVERE ODORS  
PRESENT - COMP HAS CALLED NYC DEP ALREADY CASE #75955

Material:  
Site ID: 170063  
Operable Unit ID: 1082077  
Operable Unit: 01  
Material ID: 300488  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0  
Units: Gallons  
Recovered: No  
Resource Affected: Not reported  
Oxygenate: False

Tank Test:

**BA329  
SW  
1/4-1/2  
0.375 mi.  
1982 ft.**

**CON EDISON - 19TH ST. WORKS MGP  
11TH AVE BETWEEN W 19TH AND W 20TH STS  
NEW YORK, NY 10011**

**EDR MGP 1008407976  
N/A**

**Site 5 of 5 in cluster BA**

**Relative:** Manufactured Gas Plants:  
**Lower** No additional information available

**Actual:  
5 ft.**

**BB330  
SSW  
1/4-1/2  
0.398 mi.  
2102 ft.**

**CE - E. 19TH ST. STATION  
524 E. 19TH ST.  
NEW YORK, NY 10009**

**NY VCP S108667363  
N/A**

**Site 4 of 4 in cluster BB**

**Relative:** VCP:  
**Lower** Program Type: VCP  
Site Code: 58652  
**Actual:** HW Code: V00542  
**10 ft.** Site Class: A  
SWIS: 3101  
Region: 2  
Town: New York City  
Acres: .300

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CE - E. 19TH ST. STATION (Continued)**

**S108667363**

Date Record Added: 03/05/2002

Date Record Updated: 07/27/2012

Updated By: GWCROSS

Site Description:

Location: This site is located adjacent to the Avenue C Loop Road on the south side of East 19th Street between Avenues A and B in the borough of Manhattan in New York City, New York. The site location is within the present-day residential campus of Stuyvesant Town, which extends across 61-acres from First Avenue to Avenue C and from East 14th Street to East 20th Street. The complex includes 35 high-rise buildings, playgrounds, sport courts, and underground parking garages. The former East 19th Street Station site is designated as part of Tax Block 972, on the tax map of the City of New York, New York. Site Features: The portion of the Stuyvesant Town campus associated with the East 19th Station site contains portions of a residential high-rise apartment building and a private underground parking garage. The remainder of the Stuyvesant Town apartment complex surrounds the East 17th Street Station Site. Con Edison facilities are located east of Stuyvesant Town between East 18th /East 14th Streets and Avenue C/FDR Drive. These facilities include the East River Generating Station, various substations, an administration building, ball fields, and parking areas. Current Zoning/Use(s): The New York City Planning Commission designates the majority of the property as R7-2: Moderate to High-Density Residential District. Historical Uses: The East 19th Street Station was part of the larger facility called the East 14th Street Works, which was operated by Con Edisons predecessor companies including the Consolidated Gas Company of New York, the New York Steam Company, the Standard Gas Company, and the Manhattan Gas Light Company (Langan, 2003). The majority of that larger facility was located on the eastern side of Avenue C between East 14th and East 16th Streets. The East 19th Street Station reportedly began operations between 1863 and 1868 as a holder site and operated until approximately 1921. Based on the historic maps of the area, a single gas holder (approximately 500,000 cubic feet capacity) occupied the site. The holder station was replaced by an auto/truck garage and then sold to Improvement Garage, Inc. in 1943. Stuyvesant Town Corporation acquired the land in 1944 for the development of the Stuyvesant Town apartment complex. The site as it is currently defined is 0.3 acres and includes the footprint of the former gas holder station. Several investigations have been performed at the East 19th Street Station site and all are summarized in the Final Remedial Investigation Report (RI) which was approved in August 2009. Site Geology and Hydrogeology: The surface topography of Stuyvesant town is made-land and ranges from approximately 4 to 22 feet above Mean Sea Level (msl). A dense network of private and public utilities (both active and inactive) are present beneath the site. These utilities are complex and not completely documented. The site geology consists of four units of varying thickness and distribution across the site. Starting at the ground surface these units consist of fill, organic clay, silt, and/or peat, glacial deposits and bedrock. The fill layer beneath the former MGP station extends to approximately 23 to 25 ft below ground surface and consists of intermixed sand, silt, and gravel with varying amounts of brick, concrete, cinders, and other debris. Organic deposits are encountered beneath the fill layer and are consistent with low energy marsh and mud flat environments, which existed in the area up through the 1800s. These deposits are not continuous due to the infilling and leveling activities associated

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CE - E. 19TH ST. STATION (Continued)**

**S108667363**

with extending the shoreline eastward. Below the organic deposits, deep glacial lacustrine deposits are interbedded and underlain by layers of glacial till and outwash. Bedrock occurs at depths approximately 60 to 80 ft bgs. There is an unconfined, unconsolidated overburden aquifer is present beneath the site. Groundwater occurs at on-site locations at approximately 8 ft bgs and the flow direction is east-southeast toward the East River.

Env Problem: Based upon investigations conducted to date, the primary contaminants of concern for the site include coal tar. Coal tar contains both volatile and semi-volatile organic compounds. Specific volatile organic compounds (VOCs) of concern are benzene, toluene, ethylbenzene and xylenes (BTEX). Specific semi-volatile organic compounds (SVOCs) of concern are Polycyclic Aromatic Hydrocarbons (PAHs). Concentrations of PAHs found in surface and subsurface soils slightly exceed the soil cleanup objectives (SCOs) for unrestricted use, but are generally consistent with background levels for Manhattan soils. One sample with concentrations exceeding background was found at a depth interval of 5-7 feet below ground surface (bgs) directly adjacent to the E. 19th St. gas holder station. No exceedences of BTEX in surface or subsurface soils were found. Visible MGP-related impacts are found in the subsurface including staining, sheens, and blebs. These impacts are limited to a few locations in the area directly adjacent to the site and did not appear related to any source areas. Coal tar contamination at the site has not caused an impact to the groundwater resource. Concentrations of BTEX and PAHs are in compliance with NYSDEC Ambient Water Quality Standards or Guidance Values in on-site and off-site groundwater wells. The groundwater is not used as a source of potable water.

Health Problem: People are not drinking the contaminated groundwater because the area is served by a public water supply that is not contaminated by the site. Direct contact with contaminants from manufacture gas plant activities is unlikely since they are located under pavement, the on-site buildings or soil brought in for cover from an unknown off-site location. Volatile organic compounds in the groundwater and/or soil may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Although there are elevated concentrations of potentially site related contaminants in soil vapor and sub-slab soil gas, indoor air samples from the on-site buildings indicate that soil vapor intrusion is not occurring.

331  
SSW  
1/4-1/2  
0.420 mi.  
2216 ft.

**CON EDISON - WEST 18TH ST. GAS WORKS MGP  
WEST 16TH - WEST 20TH STS.  
NEW YORK, NY 10011**

**EDR MGP 1008407994  
N/A**

**Relative:  
Lower**

Manufactured Gas Plants:  
No additional information available

**Actual:  
10 ft.**



MAP FINDINGS

**19TH STREET DEVELOPMENT SITE (Continued)**

**S105857225**

other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The on-site building has a sub-grade parking garage that is partially below the natural groundwater level and incorporated a vapor barrier into its construction. A ventilation system installed in the garage inhibits the accumulation of soil gases within the building.

Site Code: 57373  
 HW Code: C231017  
 Control Code: 18  
 Control Type: ENG  
 Date Record Added: 12/28/2009  
 Date Rec Updated: 10/26/2012  
 Updated By: SRHEIGEL  
 Site Description:

Location: The site is located along 11th Avenue, between 18th and 19th Streets. It is the location of an office building designed by Frank Gehry. Site Features: The site is primarily comprised of a large office building. Current Zoning/Use(s): The site is zoned commercial, industrial and is used as office space. Historical Use(s): The site is one parcel of numerous parcels that comprise the former West 18th Street Gas Works site. Prior to remediation and redevelopment, the Site contained a two-story brick structure that served as a mid- to long-term truck parking garage and small fenced vacant lot in the SW corner. Geology and Hydrogeology: The site consists of urban fill material, silty sands with some gravel, and a clayey silt layer with varying amounts of organic material. The clayey silt layer varies in depth from approximately 11 feet below ground surface (bgs) to 28 feet bgs and is approximately 30 feet thick. Groundwater is encountered at depths between 6 and 8 feet bgs, and generally flows to the west. An Environmental Easement for the property was filed on July 31, 2006, restricting future use to industrial/commercial, and requiring: 1) monitoring and maintenance of the subsurface barrier, 2) continuous operation of a sub-level ventilation system 3) annual certification.

Env Problem: Pre-Remediation: Based upon investigations completed at the site, the primary contaminants of concern at the site include Benzene, Toluene, Ethylbenzene and Xylene (BTEX), as well as Polycyclic Aromatic Hydrocarbons (PAHs). The impacted soils mainly were found above 15 feet bgs, with the higher concentrations of BTEX and PAHs where Non-Aqueous Phase Liquid (NAPL) was seen. Groundwater was also impacted with BTEX, PAHs and/or phenolic constituents concentrations exceeding the TOGS 1.1.1 criteria. Post-remediation: Remediation at the site is complete. The RAWP required excavation to depths of 15 to 18 feet across the site to accommodate the construction of a new office building with subsurface parking. Subsurface barriers and an active ventilation system were also components of the site remedy.

Health Problem: Direct contact with contaminants in the soil is unlikely because the majority of the site is covered with buildings and pavement. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this

MAP FINDINGS

**19TH STREET DEVELOPMENT SITE (Continued)**

**S105857225**

contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The on-site building has a sub-grade parking garage that is partially below the natural groundwater level and incorporated a vapor barrier into its construction. A ventilation system installed in the garage inhibits the accumulation of soil gases within the building.

**INST CONTROL:**

Site Code: 57373  
Control Name: Landuse Restriction  
HW Code: C231017  
Control Code: 25  
Control Type: INST  
Dt record added: 12/28/2009  
Dt rec updated: 10/26/2012  
Updated By: SRHEIGEL  
Site Code: 57373

Site Description: Location: The site is located along 11th Avenue, between 18th and 19th Streets. It is the location of an office building designed by Frank Gehry.

Site Features: The site is primarily comprised of a large office building.

Current Zoning/Use(s): The site is zoned commercial, industrial and is used as office space.

Historical Use(s): The site is one parcel of numerous parcels that comprise the former West 18th Street Gas Works site. Prior to remediation and redevelopment, the Site contained a two-story brick structure that served as a mid- to long-term truck parking garage and small fenced vacant lot in the SW corner.

Geology and Hydrogeology: The site consists of urban fill material, silty sands with some gravel, and a clayey silt layer with varying amounts of organic material. The clayey silt layer varies in depth from approximately 11 feet below ground surface (bgs) to 28 feet bgs and is approximately 30 feet thick. Groundwater is encountered at depths between 6 and 8 feet bgs, and generally flows to the west.

An Environmental Easement for the property was filed on July 31, 2006, restricting future use to industrial/commercial, and requiring: 1) monitoring and maintenance of the subsurface barrier, 2) continuous operation of a sub-level ventilation system 3) annual certification.

Env Problem: Pre-Remediation: Based upon investigations completed at the site, the primary contaminants of concern at the site include Benzene, Toluene, Ethylbenzene and Xylene (BTEX), as well as Polycyclic Aromatic Hydrocarbons (PAHs). The impacted soils mainly were found above 15 feet bgs, with the higher concentrations of BTEX and PAHs where Non-Aqueous Phase Liquid (NAPL) was seen. Groundwater was also impacted with BTEX, PAHs and/or phenolic constituents concentrations exceeding the TOGS 1.1.1 criteria.

Post-remediation: Remediation at the site is complete. The RAWP required excavation to depths of 15 to 18 feet across the site to

MAP FINDINGS

**19TH STREET DEVELOPMENT SITE (Continued)**

**S105857225**

Health Problem: accommodate the construction of a new office building with subsurface parking. Subsurface barriers and an active ventilation system were also components of the site remedy. Direct contact with contaminants in the soil is unlikely because the majority of the site is covered with buildings and pavement. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The on-site building has a sub-grade parking garage that is partially below the natural groundwater level and incorporated a vapor barrier into its construction. A ventilation system installed in the garage inhibits the accumulation of soil gases within the building.

Site Code: 57373  
Control Name: Site Management Plan  
HW Code: C231017  
Control Code: 32  
Control Type: INST  
Dt record added: 12/28/2009  
Dt rec updated: 10/26/2012  
Updated By: SRHEIGEL  
Site Code: 57373

Site Description: Location: The site is located along 11th Avenue, between 18th and 19th Streets. It is the location of an office building designed by Frank Gehry.

Site Features: The site is primarily comprised of a large office building.

Current Zoning/Use(s): The site is zoned commercial, industrial and is used as office space.

Historical Use(s): The site is one parcel of numerous parcels that comprise the former West 18th Street Gas Works site. Prior to remediation and redevelopment, the Site contained a two-story brick structure that served as a mid- to long-term truck parking garage and small fenced vacant lot in the SW corner.

Geology and Hydrogeology: The site consists of urban fill material, silty sands with some gravel, and a clayey silt layer with varying amounts of organic material. The clayey silt layer varies in depth from approximately 11 feet below ground surface (bgs) to 28 feet bgs and is approximately 30 feet thick. Groundwater is encountered at depths between 6 and 8 feet bgs, and generally flows to the west.

An Environmental Easement for the property was filed on July 31, 2006, restricting future use to industrial/commercial, and requiring: 1) monitoring and maintenance of the subsurface barrier, 2) continuous operation of a sub-level ventilation system 3) annual certification.

Env Problem: Pre-Remediation: Based upon investigations completed at the site, the primary contaminants of concern at the site include Benzene, Toluene, Ethylbenzene and Xylene (BTEX), as well as Polycyclic Aromatic Hydrocarbons (PAHs). The impacted soils mainly were found above 15

MAP FINDINGS

**19TH STREET DEVELOPMENT SITE (Continued)**

**S105857225**

feet bgs, with the higher concentrations of BTEX and PAHs where Non-Aqueous Phase Liquid (NAPL) was seen. Groundwater was also impacted with BTEX, PAHs and/or phenolic constituents concentrations exceeding the TOGS 1.1.1 criteria.

Post-remediation: Remediation at the site is complete. The RAWP required excavation to depths of 15 to 18 feet across the site to accommodate the construction of a new office building with subsurface parking. Subsurface barriers and an active ventilation system were also components of the site remedy.

Health Problem: Direct contact with contaminants in the soil is unlikely because the majority of the site is covered with buildings and pavement. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The on-site building has a sub-grade parking garage that is partially below the natural groundwater level and incorporated a vapor barrier into its construction. A ventilation system installed in the garage inhibits the accumulation of soil gases within the building.

Site Code: 57373  
Control Name: Environmental Easement  
HW Code: C231017  
Control Code: J  
Control Type: INST  
Dt record added: 12/28/2009  
Dt rec updated: 10/26/2012  
Updated By: SRHEIGEL  
Site Code: 57373

Site Description: Location: The site is located along 11th Avenue, between 18th and 19th Streets. It is the location of an office building designed by Frank Gehry.

Site Features: The site is primarily comprised of a large office building.

Current Zoning/Use(s): The site is zoned commercial, industrial and is used as office space.

Historical Use(s): The site is one parcel of numerous parcels that comprise the former West 18th Street Gas Works site. Prior to remediation and redevelopment, the Site contained a two-story brick structure that served as a mid- to long-term truck parking garage and small fenced vacant lot in the SW corner.

Geology and Hydrogeology: The site consists of urban fill material, silty sands with some gravel, and a clayey silt layer with varying amounts of organic material. The clayey silt layer varies in depth from approximately 11 feet below ground surface (bgs) to 28 feet bgs and is approximately 30 feet thick. Groundwater is encountered at depths between 6 and 8 feet bgs, and generally flows to the west.

An Environmental Easement for the property was filed on July 31, 200

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**19TH STREET DEVELOPMENT SITE (Continued)**

**S105857225**

Env Problem: 6, restricting future use to industrial/commercial, and requiring:  
1) monitoring and maintenance of the subsurface barrier, 2) continuous operation of a sub-level ventilation system 3) annual certification.  
Pre-Remediation: Based upon investigations completed at the site, the primary contaminants of concern at the site include Benzene, Toluene, Ethylbenzene and Xylene (BTEX), as well as Polycyclic Aromatic Hydrocarbons (PAHs). The impacted soils mainly were found above 15 feet bgs, with the higher concentrations of BTEX and PAHs where Non-Aqueous Phase Liquid (NAPL) was seen. Groundwater was also impacted with BTEX, PAHs and/or phenolic constituents concentrations exceeding the TOGS 1.1.1 criteria.  
Post-remediation: Remediation at the site is complete. The RAWP required excavation to depths of 15 to 18 feet across the site to accommodate the construction of a new office building with subsurface parking. Subsurface barriers and an active ventilation system were also components of the site remedy.

Health Problem: Direct contact with contaminants in the soil is unlikely because the majority of the site is covered with buildings and pavement. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The on-site building has a sub-grade parking garage that is partially below the natural groundwater level and incorporated a vapor barrier into its construction. A ventilation system installed in the garage inhibits the accumulation of soil gases within the building.

**BROWNFIELDS:**

Program: BCP  
Site Code: 57373  
Site Description: Location: The site is located along 11th Avenue, between 18th and 19th Streets. It is the location of an office building designed by Frank Gehry. Site Features: The site is primarily comprised of a large office building. Current Zoning/Use(s): The site is zoned commercial, industrial and is used as office space. Historical Use(s): The site is one parcel of numerous parcels that comprise the former West 18th Street Gas Works site. Prior to remediation and redevelopment, the Site contained a two-story brick structure that served as a mid- to long-term truck parking garage and small fenced vacant lot in the SW corner. Geology and Hydrogeology: The site consists of urban fill material, silty sands with some gravel, and a clayey silt layer with varying amounts of organic material. The clayey silt layer varies in depth from approximately 11 feet below ground surface (bgs) to 28 feet bgs and is approximately 30 feet thick. Groundwater is encountered at depths between 6 and 8 feet bgs, and generally flows to the west. An Environmental Easement for the property was filed on July 31, 2006, restricting future use to industrial/commercial, and requiring: 1) monitoring and maintenance of the subsurface barrier, 2) continuous operation of a sub-level ventilation system 3) annual certification.

Env Problem: Pre-Remediation: Based upon investigations completed at the site, the

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**19TH STREET DEVELOPMENT SITE (Continued)**

**S105857225**

primary contaminants of concern at the site include Benzene, Toluene, Ethylbenzene and Xylene (BTEX), as well as Polycyclic Aromatic Hydrocarbons (PAHs). The impacted soils mainly were found above 15 feet bgs, with the higher concentrations of BTEX and PAHs where Non-Aqueous Phase Liquid (NAPL) was seen. Groundwater was also impacted with BTEX, PAHs and/or phenolic constituents concentrations exceeding the TOGS 1.1.1 criteria. Post-remediation: Remediation at the site is complete. The RAWP required excavation to depths of 15 to 18 feet across the site to accommodate the construction of a new office building with subsurface parking. Subsurface barriers and an active ventilation system were also components of the site remedy.

Health Problem: Direct contact with contaminants in the soil is unlikely because the majority of the site is covered with buildings and pavement. Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The on-site building has a sub-grade parking garage that is partially below the natural groundwater level and incorporated a vapor barrier into its construction. A ventilation system installed in the garage inhibits the accumulation of soil gases within the building.

**BD334**  
**SSW**  
**1/4-1/2**  
**0.443 mi.**  
**2338 ft.**

**17TH STREET DEVELOPMENT PROJECT**  
**76 11TH AVENUE**  
**NEW YORK, NY 10011**  
**Site 3 of 3 in cluster BD**

**NY BROWNFIELDS** **S110748434**  
**N/A**

**Relative:**  
**Lower**

**BROWNFIELDS:**  
Program: BCP  
Site Code: 58929

**Actual:**  
**5 ft.**

Site Description: Location: The 17th Street Development Project site encompasses the entire block between 17th and 18th Streets, and between 10th and 11th Avenues in the lower west side of Manhattan. Site Features: The site is flat and currently used as a parking lot, with no distinguishing features other than a former elevated rail line that cuts across the eastern edge of the site. The elevated rail line was recently converted to use as a city park - High Line Park. Current Zoning/Use(s): This site is currently zoned for commercial/residential. Surrounding Uses: The surrounding land use is historically commercial, but new residential development has been proceeding rapidly in recent years. Historic Use: Prior to its use as an Manufactured Gas Plant (MGP), the property experienced very little development, consisting of the construction of five houses which were torn down after about 20 years to make room for expansion of the MGP operations. The plant began distribution of coal gas in November 1834 and operated continuously until it shut down in 1901 or 1902. This site is one parcel in the larger Consolidated Edison W 18th Street Former MGP site, ID No. V00530. Most of the gas making and purification facilities of the MGP were located on this parcel. In 1932, the railroad acquired the property. Some of the buildings were razed and a rail yard was built. The remaining buildings were used for other uses. Later, the tracks were removed, the remaining buildings razed and the site used as a parking lot. In the 1950s an

MAP FINDINGS

**17TH STREET DEVELOPMENT PROJECT (Continued)**

**S110748434**

automobile fueling and service station was built on the west end of the site. In the 1980s the service station was demolished and since then the site has been used exclusively as a parking lot. 17th Street Development Corporation is the BCP Volunteer for this block/site only. The remainder of the former MGP site remains under the Con Edison Voluntary Cleanup Agreement. Site Geology and Hydrogeology: Between 50 and 80 feet of unconsolidated materials overlie schist bedrock at the site. The fill deepens significantly from east to west. Overburden consists of three distinct stratigraphic units. The top unit is fill, generally highly permeable, ranging from 13 to 45 feet thick. The upper 5 to 10 feet of fill contains significant man-made materials and the remnants of former structures and debris. Below that fill is mostly fine to medium or fine to coarse sand with trace brick, ash wood fibers and concrete. Buried in the fill along the western border of the site is timber cribbing that formed the shoreline and bulkhead at one time. Below the fill is a Silty-Clay Unit which forms a low permeability aquitard. Water and other liquids such as coal tar do not readily pass through this layer. It varies in thickness from 40 feet to as little as 2 feet. Below the Silty-Clay Unit is the Sand Unit, a moderately permeable aquifer ranging from 20 to 40 feet thick. Permeability is far greater in a horizontal direction than vertical. The water table is located approximately 9 feet bgs and nearly flat. Flow is generally toward the Hudson River to the west. In some areas, groundwater flow is influenced by man-made factors such as the Hudson River bulkhead, sheet pile walls, utilities, and by various man-made flows such as leaking water lines, drains, sewers, and building dewatering systems.

Env Problem:

Nature and Extent of Contamination: The Consolidated Edison investigations indicate that a significant amount of coal tar contamination is associated with the former MGP structures on this property. Soils saturated with coal tar are found at depths between 1.5 feet and 35 feet below ground surface. Wells spontaneously accumulate up to 8 feet of mobile tar. Groundwater and subsurface soil are contaminated with BTEX and PAH. Special Resources Impacted/Threatened: The heaviest concentration of coal tar is found along the western, downgradient edge of the site. MGP contamination appears to have migrated from this property primarily to the north and west, but has not yet been observed in the Hudson River 160 feet to the west of the site. Tar accumulates spontaneously (without pumping) in monitoring wells at the western property line, so off-site migration can occur readily. Off-site groundwater or soil gas contamination will be addressed as part of the overall remedy for the larger West 18th Street MGP site. Significant Threat: This site presents a significant environmental threat due to the presence of tar moving off-site in the direction of the Hudson River 160 feet away.

Health Problem:

People are not drinking the contaminated groundwater because the area is served by a public water supply that is not contaminated by the site. Direct contact with contaminated soil is unlikely since it is located under pavement. Volatile organic compounds in the groundwater and/or soil may move into the soil vapor (air spaces within the soil), which in turn may move into overlying or nearby buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Although no buildings currently occupy the site, future site development is likely to include at least one structure and the potential for soil vapor intrusion will be

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**17TH STREET DEVELOPMENT PROJECT (Continued)**

**S110748434**

evaluated. Any concerns related to soil vapor intrusion in nearby buildings will be addressed under the voluntary agreement for the West 18th Street MGP Site.

335  
 NE  
 1/4-1/2  
 0.483 mi.  
 2548 ft.

**HUDSON MEWS PROPERTY - MARTY FINE PARCEL**  
**403 WEST 37TH STREET AND 501-505 9TH AVENUE**  
**NEW YORK, NY 10018**

**NY BROWNFIELDS**

**S110487608**  
**N/A**

**Relative:**  
**Higher**

**BROWNFIELDS:**

Program: BCP  
 Site Code: 416201

**Actual:**  
**43 ft.**

Site Description: Location: The site is located at 403 West 37th Street and 501-505 9th Avenue in the Borough of Manhattan, New York County. Site Features: Currently, the site is vacant. An entrance roadway to the Lincoln Tunnel beyond the retaining wall shared with the site, is to the west. Current Zoning: The site is currently inactive, and is zoned for commercial use. The surrounding neighborhood is also commercial, with some residential. Historical Uses: A former iron works was identified on the Sanborn maps spanning the years from 1911 to 1930 on the south-west portion of the Site. From approximately 1930 to 1968 the site was home to a plumbing business as well as a painter. Site Geology and Hydrogeology: Groundwater is about 10 to 15 feet below the surface and, because it is diverted by the Lincoln Tunnel's retaining wall, generally flows to the northwest. Soils are mainly historic fill and sand.

Env Problem: Nature and Extent of Contamination: Soil contains elevated SVOCs and metals indicative of historic fill. The depth of the historic fill varies across the site from three to 15 feet deep. SVOCs exceeding Restricted Residential SCGs include benzo-a-anthracene, benzo-a-pyrene, benzo-b-fluoranthene, benzo-k-fluoranthene, chrysene, dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene. Several were found at levels approaching 50 ppm. Metals exceeding Restricted Residential SCGs include lead (maximum detection 9000 ppm vs Track 2 Restricted Residential Use SCG of 400 ppm) and barium (maximum 615 ppm vs 400 ppm.) Groundwater sampling showed contamination in one well for chlorobenzene (29 ppb) and 1,4-dichlorobenzene (97 ppb.)

Health Problem: Direct contact with contaminants in the soil is unlikely because the majority of the site is covered with buildings and pavement. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not contaminated by this site. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site-related contaminants due to soil vapor intrusion does not represent a current concern.

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
336 NNE 1/2-1 0.677 mi. 3577 ft.	<b>CON EDISON - WEST 42ND ST. GAS WORKS MGP</b> WEST 41ST - WEST 42ND STS. MANHATTAN, NY 10018	EDR MGP	1008407966 N/A
<b>Relative:</b> <b>Higher</b>	Manufactured Gas Plants: No additional information available		
<b>Actual:</b> 17 ft.			
BE337 NNE 1/2-1 0.837 mi. 4419 ft.	<b>CON EDISON - WEST 45TH ST. GAS WORKS MGP</b> 12TH AVE BETWEEN WEST 44TH AND WEST 46TH STS. NEW YORK, NY 10019	EDR MGP	1008407995 N/A
<b>Relative:</b> <b>Higher</b>	Manufactured Gas Plants: No additional information available		
<b>Actual:</b> 13 ft.			
BE338 NNE 1/2-1 0.837 mi. 4419 ft.	<b>CON EDISON - 12TH AVE. WORKS MGP</b> 12TH AVE BETWEEN W 46TH AND W. 45TH NEW YORK, NY 10019	EDR MGP	1008407975 N/A
<b>Relative:</b> <b>Higher</b>	Manufactured Gas Plants: No additional information available		
<b>Actual:</b> 13 ft.			

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BAYONNE CITY	1008947178	74 EAST 28TH STREET	74 E 28TH ST	07030	NJ SHWS
BRICK TWP	S106582457	472 ELLISON DRIVE	472 ELLISON DR		NJ SHWS, NJ VCP
HOBOKEN	1000202017	ALBEE SERVICES INC.	410 (CORNER OF) 8TH & GRAND ST	07030	CERC-NFRAP, RCRA NonGen / NLR, NJ SHWS, NJ UST, NJ ENG CONTROLS, NJ VCP, NJ BROWNFIELDS, US AIRS
HOBOKEN	1000333062	HOBOKEN TANK LINES INC	457 12TH ST	07030	RCRA NonGen / NLR, NJ SHWS, NJ UST, NJ BROWNFIELDS
HOBOKEN	S106217149	162 13TH STREET	162 13TH ST	07030	NJ SHWS, NJ VCP
HOBOKEN	S106574187	1302 BLOOMFIELD STREET	1302 BLOOMFIELD ST	10580	NJ SHWS, NJ VCP
HOBOKEN	1007012437	INTERNATIONAL BUS SERVICES INC	1500 CLINTON ST	07033	NJ SHWS, NJ INST CONTROL
HOBOKEN	S106761405	1114 GARDEN STREET	1114 GARDEN ST	07030	NJ SHWS, NJ VCP
HOBOKEN	S106216705	1120 GARDEN STREET	1120 GARDEN ST	07030	NJ SHWS, NJ VCP
HOBOKEN	1006995757	KTAV PUBLISHING HOUSE INC	900 JEFFERSON ST	07030	NJ SHWS, NJ UST, NJ ENG CONTRC
HOBOKEN	1007054508	SIMS PUMP VALVE CO INC	1314 PARK AVE	07030	NJ SHWS, NJ UST
HOBOKEN	1000242264	STAHL SOAP CORP	1413 WILLOW AVE	07030	RCRA NonGen / NLR, NJ SHWS, NJ UST, NJ Financial Assurance
HOBOKEN CITY	S109368113	157 10TH STREET	157 10TH ST		NJ SHWS
HOBOKEN CITY	S107445155	LMT STEEL PRODUCTS	551 11TH ST	07030	NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	S106572581	AGRA REALTY APARTMENTS	106 11TH ST	07030	NJ SHWS, NJ VCP, NJ BROWNFIELD
HOBOKEN CITY	S108973400	52 TO 54 11TH STREET	54 11TH ST		NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	1008958828	257 11TH STREET	257 11TH ST	07030	NJ SHWS
HOBOKEN CITY	S107437569		161 12TH ST	07030	NJ SHWS
HOBOKEN CITY	S109301191	210 12TH STREET	210 12TH ST		NJ SHWS
HOBOKEN CITY	S105008276	NORTHVALE II APARTMENTS	105 13TH ST	07030	NJ SHWS, NJ VCP, NJ BROWNFIELD
HOBOKEN CITY	U000365798	NORTHVALE IIIA APARTMENTS	215 13TH ST	07030	NJ SHWS, NJ UST
HOBOKEN CITY	S107915727	210 13TH STREET	210 13TH ST	07030	NJ SHWS
HOBOKEN CITY	U003947776	ONAFETS INC	150 14TH ST	07030	NJ SHWS, NJ UST, NJ BROWNFIELD
HOBOKEN CITY	S108974204	CLEARVIEW CINEMA MOVIE THEATER	409 415 14TH ST		NJ SHWS, NJ VCP
HOBOKEN CITY	S109309950	258 SECOND STREET	258 2ND ST		NJ SHWS
HOBOKEN CITY	S109303882	STEVENS INSTITUTE OF TECHNOLOGY TW	2 9TH ST		NJ SHWS
HOBOKEN CITY	1010518804	KOHN KNITTING MILLS INC	400 9TH ST	07030	NJ SHWS
HOBOKEN CITY	S108973401	HOBOKEN HIGH SCHOOL	9TH ST & CLINTON ST		NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	U000360993	1321 1325 ADAMS STREET	1325 ADAMS ST	07030	NJ SHWS, NJ ENG CONTROLS, NJ INST CONTROL, NJ VCP
HOBOKEN CITY	S110023252	NORTH HUDSON SEWERAGE AUTH WWTP	1600 ADAMS ST	07030	NJ SHWS, NJ ENG CONTROLS
HOBOKEN CITY	U003106350	FAIRWAY AUTO REPAIRS	1420 ADAMS ST	07030	NJ SHWS, NJ UST
HOBOKEN CITY	S109301596	415 ADAMS STREET	415 ADAMS ST		NJ SHWS
HOBOKEN CITY	S108973406	ADAMS STREET URBAN RENEWAL	1100 1118 ADAMS ST	07030	NJ SHWS, NJ ENG CONTROLS, NJ INST CONTROL, NJ BROWNFIELDS
HOBOKEN CITY	S107494427	13TH STREET DEVELOPMENT LLC	1221 1223 ADAMS ST	07030	NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	S106209082		919 BLOOMFIELD ST		NJ SHWS, NJ VCP
HOBOKEN CITY	S110682199		930 BLOOMFIELD ST	07030	NJ SHWS

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HOBOKEN CITY	S107082520		1222 BLOOMFIELD ST	07030	NJ SHWS
HOBOKEN CITY	S107082425		1224 BLOOMFIELD ST		NJ SHWS
HOBOKEN CITY	S107495172	920 BLOOMFIELD STREET	920 BLOOMFIELD ST	07030	NJ SHWS
HOBOKEN CITY	S109295885	1100 BLOOMFIELD STREET	1100 BLOOMFIELD ST		NJ SHWS
HOBOKEN CITY	S107567956	1235 BLOOMFIELD STREET	1235 BLOOMFIELD ST		NJ SHWS
HOBOKEN CITY	S108973402	NORTHVALE 3A APARTMENTS	1312 BLOOMFIELD AVE	07030	NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	S109302046	720 BLOOMFIELD STREET	720 BLOOMFIELD ST		NJ SHWS
HOBOKEN CITY	S106216628		1136 BLOOMFIELD ST	07030	NJ SHWS
HOBOKEN CITY	S105010109	1138 BLOOMFIELD ST	1138 BLOOMFIELD ST	07030	NJ SHWS, NJ VCP
HOBOKEN CITY	S109297689	926 CASTLE POINT TERRACE	926 CASTLE POINT TER		NJ SHWS
HOBOKEN CITY	S108973405	CHURCH TOWERS APARTMENTS	5 15 CHURCH TOWERS		NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	U000365028	NORTHVALE 3B ASSOC	1000 CLINTON ST	07030	NJ SHWS, NJ UST, NJ BROWNFIELD
HOBOKEN CITY	S105008240	915 CLINTON ST	915 CLINTON ST	07030	NJ SHWS, NJ VCP, NJ BROWNFIELD
HOBOKEN CITY	U003195022	BRAUNSTIEN WAREHOUSE	1106 CLINTON ST	07030	NJ SHWS, NJ UST
HOBOKEN CITY	S111262631		1405 CLINTON STREET	07030	NJ SHWS
HOBOKEN CITY	1007052967	CLINTON STREET PROPERTY	1300 1324 CLINTON ST	07030	NJ SHWS, NJ ENG CONTROLS
HOBOKEN CITY	1007049878	HOBOKEN CITY HUDSON PARK	1114 1120 CLINTON ST	07030	NJ SHWS, NJ ENG CONTROLS, NJ BROWNFIELDS
HOBOKEN CITY	1000538837	FERGUSON PROPELLER INC	1132 CLINTON ST	07030	NJ SHWS, NJ UST, NJ ENG CONTROLS, NJ INST CONTROL, NJ VCP, NJ BROWNFIELDS
HOBOKEN CITY	S109310931	ENRICOS GARAGE	1326 CLINTON ST		NJ SHWS
HOBOKEN CITY	S108973410	HOBOKEN COAL GAS (PSE&G)	1200 1222 CLINTON ST	07030	NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	S108973399	909 CLINTON & 314 9TH STREET	909 CLINTON ST		NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	S109301826	1211 GARDEN STREET	1211 GARDEN ST		NJ SHWS
HOBOKEN CITY	S107093883	1107 GARDEN STREET	1107 GARDEN ST		NJ SHWS
HOBOKEN CITY	1010519332	1238 GARDEN STREET	1238 GARDEN ST	07030	NJ SHWS
HOBOKEN CITY	S106214816		1201 GARDEN ST	07030	NJ SHWS
HOBOKEN CITY	S109301208	1220 GARDEN STREET	1220 GARDEN ST		NJ SHWS
HOBOKEN CITY	S108255165	845 GARDEN STREET	845 GARDEN ST	07030	NJ SHWS, NJ VCP
HOBOKEN CITY	1007010420	GIRL SCOUTS OF HUDSON CNTY	916 922 GARDEN ST	07030	NJ SHWS, NJ ENG CONTROLS, NJ BROWNFIELDS
HOBOKEN CITY	S110081733		1132 GARDEN ST	07030	NJ SHWS
HOBOKEN CITY	S106465867		1138 GARDEN ST	07030	NJ SHWS
HOBOKEN CITY	S108974084	1320 1330 GRAND STREET	1330 GRAND ST	07030	NJ SHWS, NJ VCP
HOBOKEN CITY	U000356249	1300 GRAND STREET URBAN RENEWAL LL	1300 GRAND ST	07030	NJ SHWS, NJ UST, NJ BROWNFIELD
HOBOKEN CITY	S106591433	TRIBORO HARDWARE & CHEMICAL	812 GRAND ST	07030	NJ SHWS, NJ VCP
HOBOKEN CITY	1006988407	QUALITY TOOL & DIE CO INC	720 732 GRAND ST	07030	NJ SHWS, NJ ENG CONTROLS, NJ BROWNFIELDS
HOBOKEN CITY	S108973407	PISANI & DEBARI CONSTRUCTION CO	219 225 GRAND ST		NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	U002157444	1040 GRAND ST ASSOCIATES	1040 GRAND ST	07030	NJ SHWS, NJ UST, NJ VCP, NJ BROWNFIELDS
HOBOKEN CITY	S109310886	CUNNINGHAM MARINE HYDRAULICS CO IN	201 HARRISON ST		NJ SHWS
HOBOKEN CITY	U004025377	109 HARRISON STREET LLC	109 115 HARRISON ST	07039	NJ SHWS, NJ UST
HOBOKEN CITY	S109311063	72 HUDSON ST	72 HUDSON ST		NJ SHWS
HOBOKEN CITY	S109298747	720 HUDSON STREET	720 HUDSON ST		NJ SHWS
HOBOKEN CITY	S109304482	HOBOKEN SHIPYARDS	1301 HUDSON ST		NJ SHWS

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HOBOKEN CITY	S107913568		928 HUDSON ST	07030	NJ SHWS
HOBOKEN CITY	S106214713	936 HUDSON STREET	936 HUDSON ST		NJ SHWS
HOBOKEN CITY	S109302112	800 HUDSON STREET	800 HUDSON ST		NJ SHWS
HOBOKEN CITY	S108973404	GENERAL FOODS CORP MAXWELL HOUSE C	1101 1125 HUDSON ST	07030	NJ SHWS, NJ ENG CONTROLS, NJ BROWNFIELDS
HOBOKEN CITY	S109300239	FIFTH STREET CONDOS LLC	501 507 JACKSON ST		NJ SHWS, NJ ENG CONTROLS
HOBOKEN CITY	1010520317	JACKSON STREET GARAGE	116 118 JACKSON ST	07030	NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	U000357844	C C CASALINO FUEL SERVICE	800 JACKSON ST	07030	NJ SHWS, NJ UST
HOBOKEN CITY	1007051605	BROWNSTONE CO #1	129 133 JACKSON ST	07030	NJ SHWS, NJ ENG CONTROLS, NJ INST CONTROL, NJ BROWNFIELDS
HOBOKEN CITY	S109302216	61 JACKSON STREET	61 JACKSON ST		NJ SHWS
HOBOKEN CITY	S109310956	112 JACKSON ST LLC	112 JACKSON ST		NJ SHWS
HOBOKEN CITY	S109310955	110 JACKSON ST	110 JACKSON ST		NJ SHWS
HOBOKEN CITY	S109310954	108 JACKSON ST LLC	108 JACKSON ST		NJ SHWS
HOBOKEN CITY	S109298092	333 JEFFERSON STREET	333 JEFFERSON ST		NJ SHWS
HOBOKEN CITY	1008898707	515 517 JEFFERSON STREET	515 517 JEFFERSON ST	07030	NJ SHWS
HOBOKEN CITY	S108973412	TARRAGON CORP	1300 1330 JEFFERSON ST	07030	NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	S109305757	530 TO 532 MADISON ST	530 MADISON ST		NJ SHWS
HOBOKEN CITY	S106761242	MICHAEL ARAN INC	511 515 MADISON ST	07030	NJ SHWS, NJ ENG CONTROLS, NJ INST CONTROL, NJ BROWNFIELDS
HOBOKEN CITY	U002157337	MARY BRANDA	801 MADISON ST	07030	NJ SHWS, NJ UST
HOBOKEN CITY	S108973418	TARRAGON CORPORATION	800 824 MADISON ST		NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	S109310704	233 MADISON ST	233 MADISON ST		NJ SHWS
HOBOKEN CITY	S108255421	TARRAGON CORP	1001 1015 MADISON ST	07030	NJ SHWS, NJ ENG CONTROLS, NJ INST CONTROL, NJ VCP, NJ BROWNFIELDS
HOBOKEN CITY	S107915767	UNIVERSAL FOLDING BOX CO INC	MADISON ST & 13TH ST	07030	NJ SHWS, NJ ENG CONTROLS, NJ BROWNFIELDS
HOBOKEN CITY	S109304907	EHRlich TRUCKING FORMER	101 133 MARSHALL ST	07030	NJ SHWS, NJ ENG CONTROLS, NJ INST CONTROL
HOBOKEN CITY	S107590579	TARRAGON CORP	900 MONROE ST	07030	NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	1006998339	9TH STREET PROPERTIES CORP	824 830 MONROE ST	07030	NJ SHWS, NJ ENG CONTROLS, NJ BROWNFIELDS
HOBOKEN CITY	U003404868	MUNICIPAL GARAGE	256 OBSERVER HWY	07030	NJ SHWS, NJ UST, NJ INST CONTROL, NJ BROWNFIELDS
HOBOKEN CITY	S108974248	SPINA'S AUTOBODY	1500 PARK AVE	07030	NJ SHWS, NJ VCP
HOBOKEN CITY	S109572340	ENTERPRISE RENT A CAR	1428 1430 PARK AVE	07030	NJ SHWS, NJ VCP
HOBOKEN CITY	1010539486	1027 PARK AVENUE	1027 PARK AVE	07030	NJ SHWS
HOBOKEN CITY	1007015082	1313 PARK AVENUE LLC	1311 1317 PARK AVE	07030	NJ SHWS, NJ UST
HOBOKEN CITY	1010524144	922 PARK AVENUE	922 PARK AVE	07030	NJ SHWS
HOBOKEN CITY	S108974093	1600 PARK AVENUE	1600 PARK AVE	07030	NJ SHWS, NJ VCP
HOBOKEN CITY	S109298108	912 PARK AVENUE	912 PARK AVE		NJ SHWS
HOBOKEN CITY	S105009437	814 PARK AVE	814 PARK AVE	07030	NJ SHWS, NJ VCP
HOBOKEN CITY	U000359747	BRIDGE SERVICE STATION	1400 PARK AVE	07030	NJ SHWS, NJ UST, NJ INST CONTROL, NJ BROWNFIELDS
HOBOKEN CITY	S108398153	1117 PARK AVENUE	1117 PARK AVE	07030	NJ SHWS, NJ VCP
HOBOKEN CITY	1008947174	1213 PARK AVENUE	1213 PARK AVE	07030	NJ SHWS

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HOBOKEN CITY	S109305369	OLD TODD SHIPYARD	PARK AVE & 15TH ST		NJ SHWS
HOBOKEN CITY	S109309839	740 PARK AVENUE	740 PARK AVE		NJ SHWS
HOBOKEN CITY	S109305585	742 PARK AVENUE I F O	742 PARK AVE		NJ SHWS
HOBOKEN CITY	S109313709	1231 PARK AVE	1231 PARK AVE		NJ SHWS
HOBOKEN CITY	U003105809	NORTHVALE 3 APARTMENTS	1233 PARK AVE	07030	NJ SHWS, NJ UST, NJ BROWNFIELD
HOBOKEN CITY	S107915773	STEVENS INSTITUTE OF TECH RESIDENT	1036 PARK AVE	07030	NJ SHWS
HOBOKEN CITY	U000362325	UNION DRY DOCK & REPAIR CO	901 SINATRA DR	07030	NJ SHWS, NJ UST
HOBOKEN CITY	1007010941	1000 WASHINGTON STREET	1000 WASHINGTON ST	07030	NJ SHWS
HOBOKEN CITY	1010518336	939 WASHINGTON STREET	939 WASHINGTON ST	07030	NJ SHWS
HOBOKEN CITY	S105008369	832 WILLOW AVENUE	832 WILLOW AVE	07030	NJ SHWS, NJ VCP, NJ BROWNFIELD
HOBOKEN CITY	S108396170		909 WILLOW AVE	07030	NJ SHWS
HOBOKEN CITY	S108518555	1606 TO 1610 WILLOW AVENUE	1606 1610 WILLOW AVE	07030	NJ SHWS, NJ ENG CONTROLS, NJ VCP, NJ BROWNFIELDS
HOBOKEN CITY	S108518528	1427 1429 WILLOW AVENUE	1427 1429 WILLOW AVE	07030	NJ SHWS, NJ VCP
HOBOKEN CITY	S109362208	1500 WILLOW AVENUE	1500 WILLOW AVE	07030	NJ SHWS, NJ VCP
HOBOKEN CITY	S109362212	1601 1623 WILLOW AVENUE	1601 1623 WILLOW AVE	07030	NJ SHWS, NJ VCP
HOBOKEN CITY	S109308883	HESS STATION 30504	1401 WILLOW AVE		NJ SHWS, NJ INST CONTROL
HOBOKEN CITY	S108478937	ALORNA COAT CORPORATION	1515 WILLOW AVE	07030	NJ SHWS, NJ BROWNFIELDS, NJ Financial Assurance
HOBOKEN CITY	S108973413	1215 TO 1219 WILLOW AVENUE	1215 1219 WILLOW AVE	07030	NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	S108973414	1203 TO 1207 WILLOW AVENUE	1203 1207 WILLOW AVE	07030	NJ SHWS, NJ BROWNFIELDS
HOBOKEN CITY	S108973415	1209 TO 1213 WILLOW AVENUE	1209 1213 WILLOW AVE	07030	NJ SHWS, NJ BROWNFIELDS
KINGWOOD TWP	S106583713	57 LOCKATONG ROAD	57 LOCKATONG RD	10010	NJ SHWS, NJ VCP
MANHATTAN	S105838150	NYCDOS W 30TH ST RECYCLING FACILIT	WEST 30TH ST & W SIDE HGWY (RT	10001	NY SWRCY
NEW YORK	1007207031	CONSOLIDATED EDISON	64861-AVE N & OCEAN PKWY		RCRA NonGen / NLR
NEW YORK	S102144527	10TH AVENUE / DIVISION AV	10TH AVE. & DIVISION AVE.		NY Spills
NEW YORK	1007207025	CONSOLIDATED EDISON	V419-311-220 10TH ST/34TH AVE		RCRA NonGen / NLR
NEW YORK	S107521450	OPEN LAND -PAPER STREET	NORTH 10TH STREET		NY Spills
NEW YORK	1014919489	MTA #7 LINE EXTENSION PROJECT - SI	11TH AVE BENEATH VIADUCT BETW	10001	RCRA-LQG
NEW YORK	1007112712	NYCDOT BIN 2245010	11TH AVE VIA S SECTION BETW W	10001	RCRA-LQG
NEW YORK	S110771733	WEST 30TH ST HELIPORT	12TH AVE / W 30TH ST	10001	NY TANKS
NEW YORK	1007207470	CONSOLIDATED EDISON	V3610-E 14TH ST		RCRA NonGen / NLR
NEW YORK	1014919052	CON EDISON MANHOLE 412	W 214TH ST & 10TH AVE	10001	RCRA NonGen / NLR
NEW YORK	1014919051	CON EDISON MANHOLE 413	W 215TH ST & 10TH AVE	10001	RCRA NonGen / NLR
NEW YORK	U004077970	151 WEST 25TH STREET	151 WEST 25TH STREET	10001	NY AST
NEW YORK	U004077770	108 WEST 25 STREET CONDOMINIUM ASS	108-110 WEST 25TH STREET	10001	NY AST
NEW YORK	U004077556	CHELSEA DESIGN CENTER	146-150 WEST 25TH STREET	10001	NY AST
NEW YORK	U004081916	WEST 25TH STREET OWNERS, INC.	254 WEST 25TH STREET #6E	10001	NY AST
NEW YORK	U004077328	418 W 25TH ST ASSOCIATES	418 W 25TH ST	10011	NY AST
NEW YORK	U004078338	133 WEST 25TH STREET	133 WEST 25TH STREET	10001	NY AST
NEW YORK	U004078582	159 WEST 25TH STREET LLC	159 WEST 25TH STREET	10001	NY AST
NEW YORK	S106867323	SUBWAY 7 LINE	25TH STREET SOUTH SIDE SI		NY Spills
NEW YORK	U004076241	142 WEST 26TH STREET	142 WEST 26TH STREET	10001	NY AST
NEW YORK	U004131314	S&P/DM 26 DEVELOPMENT LLC	100 WEST 26TH STREET	10001	NY AST
NEW YORK	1007206922	CONSOLIDATED EDISON	V7153-121E 26TH ST		RCRA NonGen / NLR
NEW YORK	U004078336	226 WEST 26TH ST LLC	226 WEST 26TH STREET	10001	NY AST
NEW YORK	U004078272	127 WEST 26TH STREET	127 WEST 26TH STREET	10001	NY AST

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NEW YORK	U004076388	E S LOWE BUILDING	31 WEST 27TH STREET	10001	NY AST
NEW YORK	U004078630	MARINERS GATE, LLC	547 WEST 27TH STREET	10001	NY AST
NEW YORK	U004077197	40 WEST 27TH ST	40 WEST 27TH ST	10001	NY AST
NEW YORK	U004078479	153 WEST 27TH STREET	153 WEST 27TH STREET	10001	NY AST
NEW YORK	U004076721	146-48 WEST 28TH STREET	146-48 WEST 28TH STREET	10001	NY AST
NEW YORK	U004076969	145 WEST 28TH STREET	145 WEST 28TH STREET	10003	NY AST
NEW YORK	U004077688	W 29 ST OWNERS CORP	116 W 29TH ST	10001	NY AST
NEW YORK	1010327044	CON EDISON MANHOLE 43730	E 29TH ST & 3RD AVE	10001	RCRA NonGen / NLR
NEW YORK	U004077389	143 W 29TH	143 WEST 29TH STREET	10001	NY AST
NEW YORK	U004077156	134 WEST 29TH STREET	134 WEST 29TH STREET	10001	NY AST
NEW YORK	U004078015	146 WEST 29TH STREET	146 WEST 29TH STREET	10001	NY AST
NEW YORK	U004076312	124 W 30TH ST	124 W 30TH ST	10001	NY AST
NEW YORK	U004076265	BRADLEY ACQUISTION LLC	242 WEST 30TH ST	10001	NY AST
NEW YORK	U004077728	CHELSEA TOWN LLC	320 WEST 30TH STREET	10001	NY AST
NEW YORK	U004076450	259 WEST 30TH ST	259 WEST 30TH ST	10001	NY AST
NEW YORK	U004076707	327 W 30TH ST	327 W 30TH ST	10001	NY AST
NEW YORK	1001460186	GREYHOUND BUS SERVICE	W 30TH ST	10001	RCRA NonGen / NLR
NEW YORK	A100364834	WEST 30TH ST. RECYCLING FACILITY (	WEST 30TH ST. & WEST SIDE HWY	10001	NY AST
NEW YORK	S112146699	MOTOR OIL	WEST 33RD ST BTW 11TH AND 12TH		NY Spills
NEW YORK	1007208067	CONSOLIDATED EDISON	SB6902 37TH ST BETWEEN 10-11TH	10001	RCRA NonGen / NLR
NEW YORK	1007208120	CONSOLIDATED EDISON	MH43240 39TH ST & 10TH AVE	10001	RCRA NonGen / NLR
NEW YORK	S105912830	NYC DOS WEST 30TH STREET RECYCLING	WEST 30TH STREET & WEST SIDE H	10001	NY SWF/LF
NEW YORK	1007206888	CONSOLIDATED EDISON	40TH ST S/S		RCRA NonGen / NLR
NEW YORK	1007207483	CONSOLIDATED EDISON	V2314-W 51ST ST	10001	RCRA NonGen / NLR
NEW YORK	S109942993	59TH GENERATION STATION	59TH ST OFF THE WEST SIDE HIGH		NY Spills
NEW YORK	S110306756	214839; AVENUE I AND OCEAN PKWY	AVENUE I AND OCEAN PKWY		NY Spills
NEW YORK	S110306446	212872; CROTONA PKWY AND TREMONT A	CROTONA PKWY AND TREMONT AVE		NY Spills
NEW YORK	1007207274	CONSOLIDATED EDISON	V2485-2 E 27TH ST		RCRA NonGen / NLR
NEW YORK	1007208454	CONSOLIDATED EDISON	V8431-112 E 27TH ST		RCRA NonGen / NLR
NEW YORK	1007208402	CONSOLIDATED EDISON	MH60699-144 E 28TH ST		RCRA NonGen / NLR
NEW YORK	1007206834	CONSOLIDATED EDISON	V55774-26 E 30TH ST		RCRA NonGen / NLR
NEW YORK	1007207871	CONSOLIDATED EDISON	V4229-11 E 26TH ST	10001	RCRA NonGen / NLR
NEW YORK	1010327016	CONSOLIDATED EDISON	MH1295 E/S OCEAN PKW N/O AVE K		RCRA NonGen / NLR
NEW YORK	1007207599	CONSOLIDATED EDISON - FEEDER 54	EXCAV-W 27TH ST & 11TH AVE	10001	RCRA NonGen / NLR
NEW YORK	1000556008	US MILITARY	FORMERLY LOCKPORT AFS	10001	RCRA NonGen / NLR
NEW YORK	S110307039	216070; GUN HILL ROAD AND MOSHULU	GUN HILL ROAD AND MOSHULU PKWY		NY Spills
NEW YORK	S104782462	HENRY HUDSON BRIDGE	HENRY HUDSON PARKWAY		NY AST
NEW YORK	1014957429	CON EDISON MANHOLE 407	ISHAM ST & 10TH AVE	10001	RCRA NonGen / NLR
NEW YORK	1001090040	DUPONT CANADA INC FLUORO PRODUCTS	MAITLAND SITE HWY 2	99999	RCRA NonGen / NLR
NEW YORK	S110307223	217309; MANHATTAN COLLEGE PKWY AND	MANHATTAN COLLEGE PKWY AND BRO		NY Spills
NEW YORK	S112147307	TIDAL MANHOLE #58678	MARGINAL ST/W 30TH ST		NY Spills
NEW YORK	S110306515	213318; MATTHEWS AVENUE AND SOUTH	MATTHEWS AVENUE AND SOUTH PELH		NY Spills
NEW YORK	1007207022	CONSOLIDATED EDISON	MH1433-OCEAN PKWY & AVENUE U	10001	RCRA NonGen / NLR
NEW YORK	1007207654	CONSOLIDATED EDISON	MH28781-CATHEDRAL & 8TH AVE		RCRA NonGen / NLR
NEW YORK	1007208271	CONSOLIDATED EDISON	MH306-AVE A & E 10TH ST	10001	RCRA NonGen / NLR
NEW YORK	1007208162	CONSOLIDATED EDISON	MH30624-AVE A & E 10TH ST	10001	RCRA NonGen / NLR
NEW YORK	1010327074	CONSOLIDATED EDISON	MH33569-11TH ST & 5TH AVE		RCRA NonGen / NLR

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NEW YORK	1007207180	CONSOLIDATED EDISON	MH407-10TH AVE & ISHON ST	10001	RCRA NonGen / NLR
NEW YORK	1007207244	CONSOLIDATED EDISON	MH4259-DOUGLASTON PKWY & 66 AV		RCRA NonGen / NLR
NEW YORK	1007207808	CONSOLIDATED EDISON	MH43168-SEC W 30TH ST & 10TH	10001	RCRA NonGen / NLR
NEW YORK	1007207789	CONSOLIDATED EDISON	MH43239-SEC 10TH AVE & W 39TH	10001	RCRA NonGen / NLR
NEW YORK	1007208463	CONSOLIDATED EDISON	MH4329-38TH ST & 1 DAVE		RCRA NonGen / NLR
NEW YORK	1007207703	CONSOLIDATED EDISON	MH44518-W 27TH ST & 7TH AVE	10001	RCRA NonGen / NLR
NEW YORK	1007207876	CONSOLIDATED EDISON	MH46253-CAROL ST & 6TH AVE	10001	RCRA NonGen / NLR
NEW YORK	1007206975	CONSOLIDATED EDISON	MH4628-EASTERN PKY & NY AVE		RCRA NonGen / NLR
NEW YORK	1007208282	CONSOLIDATED EDISON	MH5653 MH5651 AVE D & 10TH ST		RCRA NonGen / NLR
NEW YORK	1007206900	CONSOLIDATED EDISON	MH60578-W 201ST ST & 10TH AVE		RCRA NonGen / NLR
NEW YORK	1008195659	CONSOLIDATED EDISON	MH61721-23RD ST & 10TH AVE		RCRA NonGen / NLR
NEW YORK	1007208505	CONSOLIDATED EDISON	MH7385-39TH ST & 10TH AVE		RCRA NonGen / NLR
NEW YORK	1007206764	CONSOLIDATED EDISON	27807 - NEW YORK - LILDEN		RCRA NonGen / NLR
NEW YORK	S102671173	NORTHERN BLVD/DOUGLASTON	NORTHERN BLVD/DGLTSN PKWY		NY LTANKS
NEW YORK	S110306716	214661; OCEAN PKWY AND AVENUE Z	OCEAN PKWY AND AVENUE Z		NY Spills
NEW YORK	S110306345	212124; OCEAN PKWY AND AVE P	OCEAN PKWY AND AVE P		NY Spills
NEW YORK	S109207759	S/B ON ROCKAWAY PKWY AND SARRAGUT	ROCKAWAY PARKWAY AND SARRAGUT		NY Spills
NEW YORK	S111987330	MTA #7 LINE EXTENSION C26505 (SITE	E SIDE OF 11TH AVENUE BETWEEN	10001	NY TANKS
NEW YORK	S110307110	216508; E206 ST AND MOSHULU PKWAY	E206 ST AND MOSHULU PKWAY SOUT		NY Spills
NEW YORK	S107409055	SOUTHFERRY TERM. CONSTUCT	STATE ST.		NY Spills
NEW YORK	1007206788	CONSOLIDATED EDISON	V1044-76TH ST & 30TH AVE	10001	RCRA NonGen / NLR
NEW YORK	1007207516	CONSOLIDATED EDISON	V4447-OCEAN PKWY & BEVERLEY	10001	RCRA NonGen / NLR
NEW YORK	1007206793	CONSOLIDATED EDISON	V5046-73RD ST & 30TH AVE	10001	RCRA NonGen / NLR
NEW YORK	1007206911	CONSOLIDATED EDISON	V8616-MADISON & 45TH ST		RCRA NonGen / NLR
NEW YORK	1007207518	CONSOLIDATED EDISON	V8724-F/O 24TH ST & E 29TH ST	10001	RCRA NonGen / NLR
NEW YORK	1008195486	CONSOLIDATED EDISON	V9287-1ST AVE S/O E 29TH ST		RCRA NonGen / NLR
NEW YORK	S102147084	VAN CORTLAND PARK/PKWY SO	VAN CORTLAND PARK/PKWY SO		NY Spills
NEW YORK	1007208087	CONSOLIDATED EDISON	MH4902 W 26TH BET 6TH & BROADW	10001	RCRA NonGen / NLR
NEW YORK	1007207925	CONSOLIDATED EDISON	MH9400 W 26TH & 6TH	10001	RCRA NonGen / NLR
NEW YORK	1007207957	CONSOLIDATED EDISON	V8289 W 206TH ST & 10TH AVE	10001	RCRA NonGen / NLR
NEW YORK	1007208042	CONSOLIDATED EDISON	V5720 W10TH ST & 7TH AVE	10001	RCRA NonGen / NLR
NEW YORK	S110306488	213216; WALLACE AVENUE & PELHAM PK	WALLACE AVENUE & PELHAM PKWY S		NY Spills
NEW YORK	S110306672	214362; WHITE PLAINS RD AND PELHAM	WHITE PLAINS RD AND PELHAM PKY		NY Spills
NY	U004077386	511 WEST 25TH STREET	511 W 25TH ST	10001	NY AST
NYC	U004122087	44 WEST 28 PENN PLAZA PROPERTIES L	44 WEST 28TH STREET	10001	NY AST
PENNSAUKEN TWP	1008973662	7725 GREENBRIAR ROAD	7725 GREENBRIAR RD	07030	NJ SHWS
QUEENS	1007208591	CONSOLIDATED EDISON	V0600-208TH ST & 30TH AVE		RCRA NonGen / NLR
QUEENS	1007206861	CONSOLIDATED EDISON	V2273-29TH ST & 35TH AVE		RCRA NonGen / NLR
UNION CITY	S108973512	JULES FREZZO OIL SERVICE INC	722 724 25TH ST		NJ SHWS, NJ BROWNFIELDS
UNION CITY	1010539564	514 518 26TH STREET	514 518 26TH ST	07087	NJ SHWS
UNION CITY	1007023857	537 539 39TH STREET	537 539 39TH ST	07087	NJ SHWS, NJ UST
UNION CITY	1008966182	109 111 44TH STREET	109 111 44TH ST	07087	NJ SHWS
UNION CITY	1010554561	238 240 46TH STREET	238 240 46TH ST	07087	NJ SHWS
UNION CITY	1007042012	UNION CITY PARKING AUTH LOT #7	48TH ST	07087	NJ SHWS, NJ UST
UNION CITY	1010553757	1610 1612 CENTRAL AVENUE	1610 1612 CENTRAL AVE	07087	NJ SHWS
UNION CITY	1008921040	RINCON MUSICAL INC	3710 3712 HUDSON AVE	07087	NJ SHWS
UNION CITY	1006997303	AMBASSADOR VETERINARY HOSPITAL	3712 3714 KENNEDY BLVD	07087	NJ SHWS, NJ BROWNFIELDS

Count: 269 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
UNION CITY	1011845943	1506 1510 MANHATTAN AVENUE	1506 1510 MANHATTAN AVE	07087	NJ SHWS, NJ VCP
UNION CITY	1007046932	MARIO HERNANDEZ PROPERTY	4309 4315 PARK AVE	07087	NJ SHWS, NJ BROWNFIELDS
UNION CITY	1011455519	913 915 SUMMIT AVENUE	913 915 SUMMIT AVE	07087	NJ SHWS
UNION CITY	1010528665	VENATOR GROUP INC	821 823 SUMMIT AVE	07087	NJ SHWS
UNION TWP	S110513766	1298 DARTMOUTH TERRACE	1298 DARTMOUTH TER		NJ SHWS
WEEHAWKEN TOWNSHIP	S106763809	HIGHWOOD GARAGE	178 180 HIGHWOOD AVE	07087	NJ SHWS, NJ INST CONTROL, NJ BROWNFIELDS
WEEHAWKEN TOWNSHIP	1007007646	COCHEO BROTHERS INCORPORATED	1801 1831 WILLOW AVE	07087	NJ SHWS, NJ INST CONTROL, NJ BROWNFIELDS
WEEHAWKEN TWP	S108009349	BLUE LINE EXPRESS INC	18TH & HACKENSACK PLANK RD		NJ SHWS, NJ INST CONTROL, NJ BROWNFIELDS
WEEHAWKEN TWP	1010530262	LINCOLN HARBOR	BOULEVARD E	07087	NJ SHWS, NJ ENG CONTROLS
WEEHAWKEN TWP	S108974182	71 73 COLUMBIA TERRACE	71 73 COLUMBIA TER	07087	NJ SHWS, NJ VCP
WEEHAWKEN TWP	1006978793	65 FULTON STREET	65 FULTON ST	07087	NJ SHWS, NJ BROWNFIELDS
WEEHAWKEN TWP	S109307277	GEOGRAPHIA MAP COMPANY INCORPORATE	231 HACKENSACK PLANK RD		NJ SHWS
WEEHAWKEN TWP	S111436896	201 HIGHPOINT AVENUE	201 HIGHPOINT AVE		NJ SHWS, NJ ENG CONTROLS
WEEHAWKEN TWP	S106936757	EXXON SERVICE STATION #30121	2816 PALISADE AVE	07087	NJ SHWS, NJ INST CONTROL, NJ BROWNFIELDS
WEEHAWKEN TWP	S105319872		1 PERSHING RD	07087	NJ SHWS
WOODBRIIDGE TWP	1007036220	52 DEWITT TERRACE	52 DEWITT TER		NJ SHWS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

#### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 03/01/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 03/01/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/01/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: N/A
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 03/01/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/04/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 01/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/05/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/21/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 6

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 04/03/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

### **RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 04/03/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

### **RCRA-LQG: RCRA - Large Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 04/03/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

### **RCRA-SQG: RCRA - Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 04/03/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

### **RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: (212) 637-3660  
Last EDR Contact: 04/03/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal institutional controls / engineering controls registries***

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/19/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2012	Telephone: 703-603-0695
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/19/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/26/2012	Telephone: 703-603-0695
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 02/18/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Varies

## ***Federal ERNS list***

### ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 04/02/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Annually

## ***State- and tribal - equivalent CERCLIS***

### NY SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 02/19/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/20/2013	Telephone: 518-402-9622
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 03/21/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NJ SHWS: Known Contaminated Sites in New Jersey

The Known Contaminated Sites in New Jersey includes sites under the purview of the Site Remediation Program which have contamination present at levels greater than the applicable cleanup criteria for soil and/or groundwater standards. The sites appearing in Known Contaminated Sites in New Jersey are classified as either active, where the site is assigned to a specific remedial program area, or pending, where the site is awaiting assignment to a specific remedial program area. Sites where no further action (NFA) designation has been given are not included in this report unless there are other areas of identified contamination which have not been remediated. This report includes sites being remediated under all of the various regulatory programs administered by the Site Remediation Program such as: Federal Superfund Program, Federal Resource Conservation and Recovery Act (RCRA), New Jersey's Industrial Site Recovery Act (ISRA), New Jersey's Underground Storage of Hazardous Substances Act, New Jersey's Spill Compensation and Control Act, New Jersey's Solid Waste Management Act, New Jersey's Water Pollution Control Act.

Date of Government Version: 04/17/2012	Source: New Jersey Department of Environmental Protection
Date Data Arrived at EDR: 05/31/2012	Telephone: 609-292-8761
Date Made Active in Reports: 06/27/2012	Last EDR Contact: 03/01/2013
Number of Days to Update: 27	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Varies

## NY VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 01/01/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/20/2013	Telephone: 518-402-9814
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 02/20/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Varies

## ***State and tribal landfill and/or solid waste disposal site lists***

### NY SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/07/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 01/09/2013	Telephone: 518-457-2051
Date Made Active in Reports: 01/16/2013	Last EDR Contact: 01/07/2013
Number of Days to Update: 7	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Semi-Annually

### NJ SWF/LF: Solid Waste Facility Directory

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/12/2012	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/07/2013	Telephone: 609-984-6741
Date Made Active in Reports: 04/03/2013	Last EDR Contact: 02/07/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 05/20/2013
	Data Release Frequency: Quarterly

## ***State and tribal leaking storage tank lists***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NY LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 02/19/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/20/2013	Telephone: 518-402-9549
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Varies

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 03/21/2013
Number of Days to Update: 59	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Varies

## INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/06/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/07/2012	Telephone: 415-972-3372
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 01/28/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Quarterly

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 03/21/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Quarterly

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/12/2012	Source: EPA Region 1
Date Data Arrived at EDR: 05/09/2012	Telephone: 617-918-1313
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 02/01/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Varies

## INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/17/2012	Source: EPA Region 7
Date Data Arrived at EDR: 08/28/2012	Telephone: 913-551-7003
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 01/28/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011	Source: EPA Region 4
Date Data Arrived at EDR: 12/15/2011	Telephone: 404-562-8677
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/28/2013
Number of Days to Update: 26	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/01/2012	Source: EPA Region 10
Date Data Arrived at EDR: 08/02/2012	Telephone: 206-553-2857
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 10/30/2012
Number of Days to Update: 75	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Quarterly

## **State and tribal registered storage tank lists**

NY TANKS: Storage Tank Facility Listing

This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 01/02/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 01/02/2013	Telephone: 518-402-9543
Date Made Active in Reports: 01/16/2013	Last EDR Contact: 04/03/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Quarterly

NY UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/02/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 01/02/2013	Telephone: 518-402-9549
Date Made Active in Reports: 01/16/2013	Last EDR Contact: 04/03/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: No Update Planned

NJ UST: Underground Storage Tank Data

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/17/2012	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/26/2012	Telephone: 609-341-3121
Date Made Active in Reports: 02/11/2013	Last EDR Contact: 02/11/2013
Number of Days to Update: 47	Next Scheduled EDR Contact: 05/27/2013
	Data Release Frequency: Varies

NY CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002	Source: NYSDEC
Date Data Arrived at EDR: 02/20/2002	Telephone: 518-402-9549
Date Made Active in Reports: 03/22/2002	Last EDR Contact: 10/24/2005
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/23/2006
	Data Release Frequency: No Update Planned

NY MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002	Source: NYSDEC
Date Data Arrived at EDR: 02/20/2002	Telephone: 518-402-9549
Date Made Active in Reports: 03/22/2002	Last EDR Contact: 07/25/2005
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/24/2005
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NY AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 01/02/2013  
Date Data Arrived at EDR: 01/02/2013  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 14

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 04/03/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: No Update Planned

## NY CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 02/20/2002  
Date Made Active in Reports: 03/22/2002  
Number of Days to Update: 30

Source: NYSDEC  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2005  
Next Scheduled EDR Contact: 10/24/2005  
Data Release Frequency: No Update Planned

## NY MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 02/20/2002  
Date Made Active in Reports: 03/22/2002  
Number of Days to Update: 30

Source: NYSDEC  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2005  
Next Scheduled EDR Contact: 10/24/2005  
Data Release Frequency: No Update Planned

## NY MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/02/2013  
Date Data Arrived at EDR: 01/02/2013  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 14

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 04/03/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

## NY CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 01/02/2013  
Date Data Arrived at EDR: 01/02/2013  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 14

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 04/03/2013  
Next Scheduled EDR Contact: 07/15/2013  
Data Release Frequency: Quarterly

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/01/2012  
Date Data Arrived at EDR: 08/02/2012  
Date Made Active in Reports: 10/16/2012  
Number of Days to Update: 75

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 01/28/2013  
Next Scheduled EDR Contact: 05/13/2013  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/06/2012	Source: EPA Region 9
Date Data Arrived at EDR: 09/07/2012	Telephone: 415-972-3368
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 01/28/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Quarterly

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6137
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 01/28/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Quarterly

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/17/2012	Source: EPA Region 7
Date Data Arrived at EDR: 08/28/2012	Telephone: 913-551-7003
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 01/28/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 03/21/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Semi-Annually

## INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012	Source: EPA Region 5
Date Data Arrived at EDR: 08/03/2012	Telephone: 312-886-6136
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 03/19/2013
Number of Days to Update: 94	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011	Source: EPA Region 4
Date Data Arrived at EDR: 12/15/2011	Telephone: 404-562-9424
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/28/2013
Number of Days to Update: 26	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/12/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 05/02/2012	Telephone: 617-918-1313
Date Made Active in Reports: 07/16/2012	Last EDR Contact: 02/01/2013
Number of Days to Update: 75	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Varies

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 01/14/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 04/29/2013
	Data Release Frequency: Varies

## ***State and tribal institutional control / engineering control registries***

### NY ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 02/19/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/20/2013	Telephone: 518-402-9553
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 03/21/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Quarterly

### NJ ENG CONTROLS: Declaration Environmental Restriction/Deed Notice Sites

Legal Document that restricts the use of contaminated property; holds owner(s) to the regulatory/statutory requirements for cleanup.

Date of Government Version: 12/04/2012	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/09/2013	Telephone: 609-341-3121
Date Made Active in Reports: 02/11/2013	Last EDR Contact: 02/25/2013
Number of Days to Update: 33	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Varies

### NY INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 02/19/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/20/2013	Telephone: 518-402-9553
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 03/21/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Quarterly

### NJ INST CONTROL: Classification Exception Area Sites

A Classification Exception Area is an institutional control providing notice that ground water contamination exists in a particular location above State standards.

Date of Government Version: 12/04/2012	Source: Department of Environmental Protection
Date Data Arrived at EDR: 01/09/2013	Telephone: 609-341-3121
Date Made Active in Reports: 02/11/2013	Last EDR Contact: 02/25/2013
Number of Days to Update: 33	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NY RES DECL: Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010	Source: NYC Department of City Planning
Date Data Arrived at EDR: 12/23/2010	Telephone: 212-720-3401
Date Made Active in Reports: 02/11/2011	Last EDR Contact: 03/29/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: 07/08/2013
	Data Release Frequency: No Update Planned

## **State and tribal voluntary cleanup sites**

### NY VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 02/19/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/20/2013	Telephone: 518-402-9711
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 03/21/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Semi-Annually

### NJ VCP: Voluntary Cleanup Program Sites

Through the VCP, responsible parties, developers, local officials, or individuals may work with the department to remediate non-priority contaminated sites that pose no immediate threat to human health or the environment.

Date of Government Version: 10/18/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 11/22/2010	Telephone: 609-341-3121
Date Made Active in Reports: 01/07/2011	Last EDR Contact: 01/07/2013
Number of Days to Update: 46	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Varies

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 10/02/2012	Telephone: 617-918-1102
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 04/05/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Varies

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

## **State and tribal Brownfields sites**

### NY ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a \$200 million Environmental Restoration or Brownfields Fund as part of the \$1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/19/2013  
Date Data Arrived at EDR: 02/20/2013  
Date Made Active in Reports: 03/15/2013  
Number of Days to Update: 23

Source: Department of Environmental Conservation  
Telephone: 518-402-9622  
Last EDR Contact: 03/21/2013  
Next Scheduled EDR Contact: 06/03/2013  
Data Release Frequency: Quarterly

## NY BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 02/19/2013  
Date Data Arrived at EDR: 02/20/2013  
Date Made Active in Reports: 03/15/2013  
Number of Days to Update: 23

Source: Department of Environmental Conservation  
Telephone: 518-402-9764  
Last EDR Contact: 03/21/2013  
Next Scheduled EDR Contact: 06/03/2013  
Data Release Frequency: Semi-Annually

## NJ BROWNFIELDS: Brownfields Database

Brownfields are identified as former or current commercial or industrial use sites that are presently vacant or underutilized, on which there is suspected to have been a discharge of a contamination to the soil or groundwater at concentrations greater than applicable cleanup criteria.

Date of Government Version: 12/03/2012  
Date Data Arrived at EDR: 02/27/2013  
Date Made Active in Reports: 04/05/2013  
Number of Days to Update: 37

Source: Department of Environmental Protection  
Telephone: 609-292-1251  
Last EDR Contact: 02/25/2013  
Next Scheduled EDR Contact: 05/13/2013  
Data Release Frequency: Annually

## ADDITIONAL ENVIRONMENTAL RECORDS

### ***Local Brownfield lists***

#### US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012  
Date Data Arrived at EDR: 12/11/2012  
Date Made Active in Reports: 12/20/2012  
Number of Days to Update: 9

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 03/26/2013  
Next Scheduled EDR Contact: 07/08/2013  
Data Release Frequency: Semi-Annually

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

#### ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 01/28/2013  
Next Scheduled EDR Contact: 05/13/2013  
Data Release Frequency: No Update Planned

## NY SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 01/07/2013  
Date Data Arrived at EDR: 01/09/2013  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 7

Source: Department of Environmental Conservation  
Telephone: 518-402-8705  
Last EDR Contact: 01/07/2013  
Next Scheduled EDR Contact: 04/22/2013  
Data Release Frequency: Semi-Annually

## NY SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006  
Date Data Arrived at EDR: 11/15/2006  
Date Made Active in Reports: 11/30/2006  
Number of Days to Update: 15

Source: Department of Environmental Conservation  
Telephone: 518-402-8694  
Last EDR Contact: 01/25/2013  
Next Scheduled EDR Contact: 05/06/2013  
Data Release Frequency: Annually

## NJ SWRCY: Approved Class B Recycling Facilities

"Class B recyclable material" means a source separated recyclable material which is subject to Department approval prior to receipt, storage, processing or transfer at a recycling center in accordance with N.J.S.A. 13:1E-99.34b.

Date of Government Version: 08/01/2012  
Date Data Arrived at EDR: 11/07/2012  
Date Made Active in Reports: 12/07/2012  
Number of Days to Update: 30

Source: Department of Environmental Protection  
Telephone: 609-984-6650  
Last EDR Contact: 02/07/2013  
Next Scheduled EDR Contact: 05/20/2013  
Data Release Frequency: Varies

## INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 02/05/2013  
Next Scheduled EDR Contact: 05/20/2013  
Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 11/14/2012  
Date Data Arrived at EDR: 12/11/2012  
Date Made Active in Reports: 02/15/2013  
Number of Days to Update: 66

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 03/04/2013  
Next Scheduled EDR Contact: 06/17/2013  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NY DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 02/19/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/20/2013	Telephone: 518-402-9622
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 03/21/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Annually

## US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

## Local Land Records

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/16/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/26/2012	Telephone: 202-564-6023
Date Made Active in Reports: 06/14/2012	Last EDR Contact: 01/28/2013
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Varies

### NY LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 02/22/2013	Source: Office of the State Comptroller
Date Data Arrived at EDR: 02/27/2013	Telephone: 518-474-9034
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 02/11/2013
Number of Days to Update: 16	Next Scheduled EDR Contact: 05/27/2013
	Data Release Frequency: Varies

### NJ LIENS: Environmental LIENS

A listing of properties with environmental liens. The listing includes sites from the Site Remediation & Waste Management Program Sites where the Department has placed either a 1st Priority or Regular Spill Fund Lien against. 1st Priority Type Lien - a lien placed against the property where the discharge occurred providing that the owners of the property have some responsibility towards the discharge. First Priority Lien is superior to other types of liens. Non-Priority (Regular) Type Lien - a lien placed against the Responsible Party & their revenues and all real and personal property, other than the real property comprising the location of the discharge.

Date of Government Version: 11/07/2012	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/26/2012	Telephone: 609-341-3121
Date Made Active in Reports: 02/11/2013	Last EDR Contact: 02/18/2013
Number of Days to Update: 47	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Varies

## Records of Emergency Release Reports

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 01/03/2013	Telephone: 202-366-4555
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 04/02/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Annually

## NY SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 02/19/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/20/2013	Telephone: 518-402-9549
Date Made Active in Reports: 03/15/2013	Last EDR Contact: 04/05/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Varies

## **Other Ascertainable Records**

### RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/12/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/15/2013	Telephone: (212) 637-3660
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 04/03/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Varies

### DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 02/05/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 05/20/2013
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/17/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/29/2013
	Data Release Frequency: Semi-Annually

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2011	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/26/2013	Telephone: 202-528-4285
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 03/11/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2011	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/15/2013	Telephone: Varies
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/01/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Varies

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/02/2012	Source: EPA
Date Data Arrived at EDR: 12/11/2012	Telephone: 703-416-0223
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 03/13/2013
Number of Days to Update: 92	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Annually

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 02/25/2013
Number of Days to Update: 146	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Varies

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/08/2011	Telephone: 303-231-5959
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 03/06/2013
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/17/2013
	Data Release Frequency: Semi-Annually

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 09/01/2011	Telephone: 202-566-0250
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 02/26/2013
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Annually

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 03/28/2013
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/08/2013
	Data Release Frequency: Every 4 Years

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/25/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Quarterly

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/25/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Quarterly

**HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing**

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

**HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing**

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

**SSTS: Section 7 Tracking Systems**

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 01/28/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 01/17/2013
Number of Days to Update: 61	Next Scheduled EDR Contact: 04/29/2013
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 01/16/2013
Number of Days to Update: 98	Next Scheduled EDR Contact: 04/29/2013
	Data Release Frequency: Annually

## MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/15/2011	Telephone: 301-415-7169
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 03/11/2013
Number of Days to Update: 60	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Quarterly

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/02/2012	Telephone: 202-343-9775
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 01/09/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Quarterly

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 03/01/2011  
Date Made Active in Reports: 05/02/2011  
Number of Days to Update: 62

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 02/26/2013  
Next Scheduled EDR Contact: 06/10/2013  
Data Release Frequency: Biennially

## NY HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003  
Date Data Arrived at EDR: 10/20/2006  
Date Made Active in Reports: 11/30/2006  
Number of Days to Update: 41

Source: Department of Environmental Conservation  
Telephone: 518-402-9564  
Last EDR Contact: 05/26/2009  
Next Scheduled EDR Contact: 08/24/2009  
Data Release Frequency: No Update Planned

## NY UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 12/10/2012  
Date Data Arrived at EDR: 12/11/2012  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 36

Source: Department of Environmental Conservation  
Telephone: 518-402-8056  
Last EDR Contact: 03/13/2013  
Next Scheduled EDR Contact: 06/24/2013  
Data Release Frequency: Quarterly

## NJ UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 01/09/2009  
Date Data Arrived at EDR: 02/25/2009  
Date Made Active in Reports: 03/11/2009  
Number of Days to Update: 14

Source: Department of Environmental Protection  
Telephone: 609-292-0407  
Last EDR Contact: 02/04/2013  
Next Scheduled EDR Contact: 05/20/2013  
Data Release Frequency: Varies

## NY DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 01/18/2013  
Date Data Arrived at EDR: 01/23/2013  
Date Made Active in Reports: 03/15/2013  
Number of Days to Update: 51

Source: Department of Environmental Conservation  
Telephone: 518-402-8403  
Last EDR Contact: 03/18/2013  
Next Scheduled EDR Contact: 07/01/2013  
Data Release Frequency: Varies

## NJ DRYCLEANERS: Drycleaner List

A listing of registered drycleaners.

Date of Government Version: 02/26/2013  
Date Data Arrived at EDR: 02/27/2013  
Date Made Active in Reports: 04/03/2013  
Number of Days to Update: 35

Source: Department of Environmental Protection  
Telephone: 609-292-2795  
Last EDR Contact: 02/25/2013  
Next Scheduled EDR Contact: 05/27/2013  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NY AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 08/02/2012  
Date Made Active in Reports: 10/03/2012  
Number of Days to Update: 62

Source: Department of Environmental Conservation  
Telephone: 518-402-8452  
Last EDR Contact: 01/28/2013  
Next Scheduled EDR Contact: 05/13/2013  
Data Release Frequency: Annually

## NY E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 12/10/2012  
Date Data Arrived at EDR: 01/22/2013  
Date Made Active in Reports: 03/15/2013  
Number of Days to Update: 52

Source: New York City Department of City Planning  
Telephone: 718-595-6658  
Last EDR Contact: 03/26/2013  
Next Scheduled EDR Contact: 07/08/2013  
Data Release Frequency: Varies

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 01/17/2013  
Next Scheduled EDR Contact: 04/29/2013  
Data Release Frequency: Semi-Annually

## SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011  
Date Data Arrived at EDR: 03/09/2011  
Date Made Active in Reports: 05/02/2011  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 01/21/2013  
Next Scheduled EDR Contact: 05/06/2013  
Data Release Frequency: Varies

## NY COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 01/08/2013  
Date Data Arrived at EDR: 01/09/2013  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 7

Source: Department of Environmental Conservation  
Telephone: 518-402-8660  
Last EDR Contact: 01/07/2013  
Next Scheduled EDR Contact: 04/22/2013  
Data Release Frequency: Varies

## NY Financial Assurance 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/08/2013  
Date Data Arrived at EDR: 01/09/2013  
Date Made Active in Reports: 01/21/2013  
Number of Days to Update: 12

Source: Department of Environmental Conservation  
Telephone: 518-402-8660  
Last EDR Contact: 01/07/2013  
Next Scheduled EDR Contact: 04/22/2013  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### NY Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/31/2008	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/25/2008	Telephone: 518-402-8712
Date Made Active in Reports: 12/11/2008	Last EDR Contact: 01/07/2013
Number of Days to Update: 16	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Varies

### EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/13/2012	Telephone: 617-520-3000
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 02/12/2013
Number of Days to Update: 36	Next Scheduled EDR Contact: 05/27/2013
	Data Release Frequency: Quarterly

### US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 11/15/2012	Source: EPA
Date Data Arrived at EDR: 11/16/2012	Telephone: 202-564-5962
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 04/01/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Annually

### US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 11/15/2012	Source: EPA
Date Data Arrived at EDR: 11/16/2012	Telephone: 202-564-5962
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 04/01/2013
Number of Days to Update: 91	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Annually

### US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 11/20/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2012	Telephone: 202-566-1917
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 02/19/2013
Number of Days to Update: 89	Next Scheduled EDR Contact: 06/03/2013
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/17/2013
Number of Days to Update: 339	Next Scheduled EDR Contact: 04/29/2013
	Data Release Frequency: N/A

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2012	Telephone: 703-308-4044
Date Made Active in Reports: 05/25/2012	Last EDR Contact: 02/15/2013
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/27/2013
	Data Release Frequency: Varies

## NJ COAL ASH: Coal Ash Listing

Coal combustion survey ash listing.

Date of Government Version: 05/10/2010	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/12/2010	Telephone: 609-984-6985
Date Made Active in Reports: 06/28/2010	Last EDR Contact: 02/04/2013
Number of Days to Update: 47	Next Scheduled EDR Contact: 05/20/2013
	Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 03/15/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Varies

## NJ Financial Assurance: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 11/07/2012	Source: Department of Environmental Protection
Date Data Arrived at EDR: 12/18/2012	Telephone: 609-341-3121
Date Made Active in Reports: 02/11/2013	Last EDR Contact: 02/25/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Semi-Annually

## COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 01/15/2013
Number of Days to Update: 76	Next Scheduled EDR Contact: 04/29/2013
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 02/01/2013
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/13/2013
	Data Release Frequency: Varies

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/02/2012	Source: EPA
Date Data Arrived at EDR: 01/03/2013	Telephone: 202-564-6023
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 04/04/2013
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/15/2013
	Data Release Frequency: Quarterly

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

#### EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

#### EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: N/A  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: N/A  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 12/18/2012  
Date Data Arrived at EDR: 12/20/2012  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 27

Source: Cortland County Health Department  
Telephone: 607-753-5035  
Last EDR Contact: 02/04/2013  
Next Scheduled EDR Contact: 05/20/2013  
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 12/18/2012  
Date Data Arrived at EDR: 12/20/2012  
Date Made Active in Reports: 01/16/2013  
Number of Days to Update: 27

Source: Cortland County Health Department  
Telephone: 607-753-5035  
Last EDR Contact: 02/04/2013  
Next Scheduled EDR Contact: 05/20/2013  
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003  
Date Data Arrived at EDR: 05/27/2003  
Date Made Active in Reports: 06/09/2003  
Number of Days to Update: 13

Source: Nassau County Health Department  
Telephone: 516-571-3314  
Last EDR Contact: 01/07/2013  
Next Scheduled EDR Contact: 04/22/2013  
Data Release Frequency: No Update Planned

Storage Tank Database

A listing of aboveground storage tank sites located in Nassau County.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/15/2011  
Date Data Arrived at EDR: 02/23/2011  
Date Made Active in Reports: 03/29/2011  
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal  
Telephone: 516-572-1000  
Last EDR Contact: 02/04/2013  
Next Scheduled EDR Contact: 05/20/2013  
Data Release Frequency: Varies

## Registered Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003  
Date Data Arrived at EDR: 05/27/2003  
Date Made Active in Reports: 06/09/2003  
Number of Days to Update: 13

Source: Nassau County Health Department  
Telephone: 516-571-3314  
Last EDR Contact: 01/07/2013  
Next Scheduled EDR Contact: 04/22/2013  
Data Release Frequency: No Update Planned

## Storage Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011  
Date Data Arrived at EDR: 02/23/2011  
Date Made Active in Reports: 03/29/2011  
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal  
Telephone: 516-572-1000  
Last EDR Contact: 02/04/2013  
Next Scheduled EDR Contact: 05/20/2013  
Data Release Frequency: Varies

## ROCKLAND COUNTY:

### Petroleum Bulk Storage Database

A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 02/08/2013  
Date Data Arrived at EDR: 02/08/2013  
Date Made Active in Reports: 03/15/2013  
Number of Days to Update: 35

Source: Rockland County Health Department  
Telephone: 914-364-2605  
Last EDR Contact: 03/11/2013  
Next Scheduled EDR Contact: 06/24/2013  
Data Release Frequency: Quarterly

### Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 02/08/2013  
Date Data Arrived at EDR: 02/08/2013  
Date Made Active in Reports: 03/15/2013  
Number of Days to Update: 35

Source: Rockland County Health Department  
Telephone: 914-364-2605  
Last EDR Contact: 03/11/2013  
Next Scheduled EDR Contact: 06/24/2013  
Data Release Frequency: Quarterly

## SUFFOLK COUNTY:

### Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006  
Date Data Arrived at EDR: 01/11/2007  
Date Made Active in Reports: 02/07/2007  
Number of Days to Update: 27

Source: Suffolk County Department of Health Services  
Telephone: 631-854-2521  
Last EDR Contact: 02/04/2013  
Next Scheduled EDR Contact: 05/20/2013  
Data Release Frequency: Annually

### Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/13/2006  
Date Data Arrived at EDR: 01/11/2007  
Date Made Active in Reports: 02/07/2007  
Number of Days to Update: 27

Source: Suffolk County Department of Health Services  
Telephone: 631-854-2521  
Last EDR Contact: 02/04/2013  
Next Scheduled EDR Contact: 05/20/2013  
Data Release Frequency: Annually

## WESTCHESTER COUNTY:

### Listing of Storage Tanks

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 02/20/2013  
Date Data Arrived at EDR: 02/21/2013  
Date Made Active in Reports: 03/15/2013  
Number of Days to Update: 22

Source: Westchester County Department of Health  
Telephone: 914-813-5161  
Last EDR Contact: 02/04/2013  
Next Scheduled EDR Contact: 05/20/2013  
Data Release Frequency: Varies

### Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 02/20/2013  
Date Data Arrived at EDR: 02/21/2013  
Date Made Active in Reports: 03/15/2013  
Number of Days to Update: 22

Source: Westchester County Department of Health  
Telephone: 914-813-5161  
Last EDR Contact: 02/04/2013  
Next Scheduled EDR Contact: 05/20/2013  
Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### Electric Power Transmission Line Data

Source: Rextag Strategies Corp.  
Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

## Daycare Centers: Day Care Providers

Source: Department of Health

Telephone: 212-676-2444

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

## Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## STREET AND ADDRESS INFORMATION

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

526-532 W 28TH ST  
526-532 W 28TH ST  
NEW YORK, NY 10001

### TARGET PROPERTY COORDINATES

Latitude (North): 40.7511 - 40° 45' 3.96"  
Longitude (West): 74.0035 - 74° 0' 12.60"  
Universal Tranverse Mercator: Zone 18  
UTM X (Meters): 584124.6  
UTM Y (Meters): 4511393.5  
Elevation: 13 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 40074-G1 WEEHAWKEN, NJ NY  
Most Recent Revision: 1995

East Map: 40073-G8 CENTRAL PARK, NY NJ  
Most Recent Revision: 1995

Southeast Map: 40073-F8 BROOKLYN, NY  
Most Recent Revision: 1995

South Map: 40074-F1 JERSEY CITY, NJ NY  
Most Recent Revision: 1981

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

Target Property County  
NEW YORK, NY

FEMA Flood  
Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 3604970038B - FEMA Q3 Flood data

Additional Panels in search area:  
3604970031B - FEMA Q3 Flood data  
3604970030B - FEMA Q3 Flood data  
3604970039B - FEMA Q3 Flood data  
3604970046B - FEMA Q3 Flood data  
3604970047B - FEMA Q3 Flood data  
34017C - FEMA DFIRM Flood data

## **NATIONAL WETLAND INVENTORY**

NWI Quad at Target Property  
WEEHAWKEN

NWI Electronic  
Data Coverage  
YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### ***Site-Specific Hydrogeological Data\*:***

Search Radius: 1.25 miles  
Location Relative to TP: 1/4 - 1/2 Mile ESE  
Site Name: MANHATTAN GENERAL MAIL FACILITY  
Site EPA ID Number: NY618000352  
Groundwater Flow Direction: NOT AVAILABLE.  
Inferred Depth to Water: not available. Saturated layers impacted by salt water intrusion are present in the overburden. It is generally inferred that the depth to the uppermost 'aquifer' is greater than 70 feet at the surface of the bedrock/sediment interface.  
Hydraulic Connection: Detailed hydraulic connection information is not available. Glacial till and outwash deposit sediments overlie the Manhattan Schist, the uppermost bedrock unit at the site. The surface elevation of bedrock decreases to the southwest of the site.  
Sole Source Aquifer: No information about a sole source aquifer is available  
Data Quality: Information is inferred in the CERCLIS investigation report(s)

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### **ROCK STRATIGRAPHIC UNIT**

Era: Paleozoic  
System: Ordovician  
Series: Lower Ordovician and Cambrian carbonate rocks  
Code: OC (*decoded above as Era, System & Series*)

### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

## OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinator soil types may appear within the general area of target property.

Soil Surface Textures: silt loam  
loamy sand  
sandy loam  
fine sandy loam

Surficial Soil Types: silt loam  
loamy sand  
sandy loam  
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock  
very gravelly - loamy sand  
stratified  
sandy loam

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	0.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	0.375

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

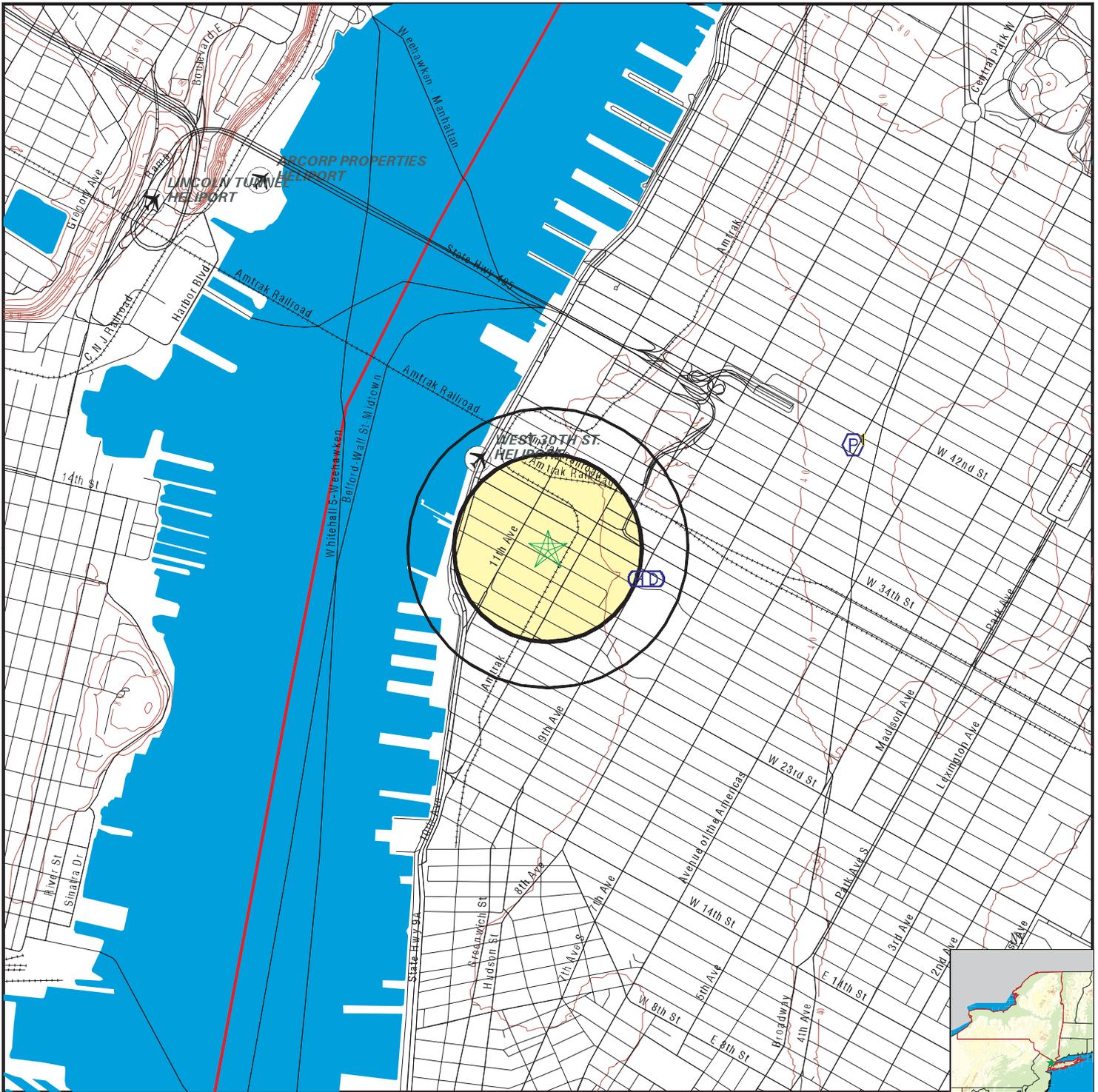
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	NY0022417	1/2 - 1 Mile ENE

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

# PHYSICAL SETTING SOURCE MAP - 3567877.1s



-  County Boundary
-  Major Roads
-  Contour Lines
-  Airports
-  Earthquake epicenter, Richter 5 or greater
-  Water Wells
-  Public Water Supply Wells
-  Cluster of Multiple Icons

-  Groundwater Flow Direction
-  Indeterminate Groundwater Flow at Location
-  Groundwater Flow Varies at Location
-  Closest Hydrogeological Data

SITE NAME: 526-532 W 28TH ST  
 ADDRESS: 526-532 W 28TH ST  
 New York NY 10001  
 LAT/LONG: 40.7511 / 74.0035

CLIENT: The Chazen Companies  
 CONTACT: Emily Pereira  
 INQUIRY #: 3567877.1s  
 DATE: April 05, 2013 11:38 am

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

1	Database	EDR ID Number
<b>ENE</b> <b>1/2 - 1 Mile</b> <b>Higher</b>	<b>FRDS PWS</b>	<b>NY0022417</b>

PWS ID: NY0022417  
 Date Initiated: Not Reported      Date Deactivated: Not Reported  
 PWS Name: BREWSTER SQUARE  
 RT 6  
 BREWSTER, NY 10509

Addressee / Facility: System Owner/Responsible Party  
 GOSTFRAND DAVID  
 C/O DAVID GOSTFRAND  
 463 7TH AVENUE, SUITE 703  
 NEW YORK, NY 10018

Facility Latitude: 40 45 18	Facility Longitude: 073 59 18
City Served: SOUTHEAST (T)	
Treatment Class: Not Reported	Population: Not Reported

Violations information not reported.

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: NY Radon

### Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
NEW YORK	NYC (BRONX)	91	1.59	0.85	16
NEW YORK	NYC (KINGS)	416	1.93	1.19	28.2
NEW YORK	NYC (NEW YORK)	108	2.15	0.98	49.5
NEW YORK	NYC (QUEENS)	501	1.24	0.77	23.8
NEW YORK	NYC (RICHMOND)	225	1.44	0.76	14.1

Federal EPA Radon Zone for NEW YORK County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Freshwater Wetlands

Source: Department of Environmental Conservation

Telephone: 518-402-8961

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### New York Public Water Wells

Source: New York Department of Health

Telephone: 518-458-6731

## OTHER STATE DATABASE INFORMATION

#### Oil and Gas Well Database

Department of Environmental Conservation

Telephone: 518-402-8072

These files contain records, in the database, of wells that have been drilled.

### RADON

#### State Database: NY Radon

Source: Department of Health

Telephone: 518-402-7556

Radon Test Results

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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Appendix D:  
Interview Documentation

**Larry Greenberg**

---

**From:** Arlette Meader <ameader@chazencompanies.com>  
**Sent:** Thursday, April 04, 2013 2:32 PM  
**To:** Larry Greenberg  
**Subject:** Phase I ESA questions  
**Attachments:** User Questionnaire.pdf

Hello Larry,

We are moving along on the Phase I ESA for you. One of the elements for you as the ESA "user" is to complete the attached form. If you do not know the answer to one of the questions, then "unknown" is an acceptable answer. Also, who is the site owner contact? We need to interview them and current/prior tenants as well.

Thank you,  
Arlette

Neal Schwartz  
RN Realty LLC

**Arlette St. Romain Meader**  
Senior Environmental Scientist/Project Manager  
**The Chazen Companies**  
547 River Street, Troy, NY 12180  
Phone: (518) 266-7328  
Fax: (518) 273-8391  
Mobile: (518) 260-1811  
[ameader@chazencompanies.com](mailto:ameader@chazencompanies.com)

516-374-1384 (O)  
516-295-1657 (A)  
516-978-9277 (C)



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**Phase I ESA User Questionnaire**

Page 1 of 4

In order to qualify for one of the *Landowner Liability Protections* (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"). The *User* of the Phase I ESA (i.e. client) must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.

**I. FACILITY IDENTIFICATION**

1. Complete Address: 526-532 W 28<sup>th</sup> ST. NY NY
2. Any known former addresses (e.g., pre-911 change): \_\_\_\_\_
3. Tax Lot ID: Block 699 Lot 49 Zone M1-S Map 8B
4. Current Facility Name: VACANT
5. Any known former facility names: CRUISE (night club) M2 (night club)

**II. REQUIRED INFORMATION**

1. Review of Title and Judicial Records for Environmental Liens or Activity Use Limitations (AULs) shall be conducted by the *User* of reasonably ascertainable recorded land title records and lien records that are filed in federal, tribal state, or local law.

Has a title search been conducted for the property to comply with the User requirements noted above?  Yes  No Date of Title Search \_\_\_\_\_  
(copy attached  Yes  No)

*not as yet will be as closing documents proceed to complete*

Based on the title search information, are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?  Yes  No

If yes, please describe: (records attached  Yes  No)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Based on the title search information, are you aware of any AULs, such as engineering controls, land use restriction, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?  Yes  No

If yes, please describe: (records attached  Yes  No)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The Chazen Companies

User Questionnaire

Page 2 of 4

2. As the *User* of this Phase I ESA, do you have any specialized knowledge or experience related to the property or nearby properties? (For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?)  Yes  No

If yes, please describe:

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3. Does the purchase price being paid for this property reasonably reflect the fair market value of the property?  Yes  No

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

Yes  No

As a result of contamination, initial phase I

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---

4. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of a release or threatened release?  Yes  No

For example, as the user:

a) Do you know the past uses of the property?  Yes  No

night club(s)  
Restaurant/Bars

---

---

b) Do you know of the specific chemicals that are present or were once present at the property?  Yes  No

---

---

c) Do you know of spills or other chemical releases that have taken place at the property?  Yes  No

---

---

d) Do you know of any environmental cleanups that have taken place at the property?  Yes  No

---

---

Prior Phase I  
copy furnished to  
you

The Chazen Companies

User Questionnaire

Page 3 of 4

e) Other \_\_\_\_\_  
\_\_\_\_\_

5. As the *User* of this Phase I ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?  
 Yes  No

III. ADDITIONAL INFORMATION

1. Please identify the reason that you are requiring a Phase I ESA (check one or more of the boxes below). If no reason is selected, it shall be assumed that the purpose of the ESA is to qualify for landowner liability protection under CERCLA.

- CERCLA landowner liability defense
- Business Environmental Risk (i.e., understand potential environmental conditions that could materially impact the operation of the business associated with the parcel)
- Lending Institution Requirement
- Other (please describe below)

Prepurchase Due Diligence      Future Lending Requirement

2. Please identify the type of property and type of property transaction (i.e. sale, purchase, exchange, etc.)

purchase

3. Please identify all parties who will rely on the Phase I ESA report (if other than User, please provide specific company name and address). This questionnaire must also be completed by additional Users that will rely on the report.

At this time purchaser & purchaser local staff  
Future for permit to demo & build new on site  
Future lending institutions

4. Are you aware of any previous environmental site assessment reports, documents, correspondence, etc., concerning the property and its environmental condition?

Yes  No, if yes, please describe:

prior phase I you have copies

Have you attached copies of this documentation?  Yes  No

you have been furnished copies.

**Phase I ESA User Questionnaire**

Page 4 of 4

The Preparer of this User Questionnaire must complete and sign the following statement:

The questionnaire was completed by the *User*:

Name: Larry Greenberg

Title: Director Construction & Facilities Management

Firm: Centaur Properties LLC

Address: 609 Greenwich St- 6<sup>th</sup> Floor NYC NY 10014

Phone Number: 212-308-4447 Fax Number: 212-308-8630

Date: 4/8/12 Larry@centaurproperties.com

User's relationship to the site (e.g., purchaser, lending agency, etc.) purchaser

*Preparer represents that to the best of the Preparer's knowledge the above statements are true and correct and to the best of the Preparer's actual knowledge no material facts have been suppressed or misstated.*

Signature: 

Date: 4/8/12

4/9/13.

Neel Schwartz - RN Realty LLC - owner

- complete rennov. 2002 - 2003 - close to 90% inside  
rennovation & a little outside - new roof -  
for conversion to night club - prior to that was his  
warehouse - pkg supply co. - boxes, wire, etc.

History - bit as 2 buildings. One side 27th st. bit. in 1913  
the 28th st. bit. 1916. from what he has read  
and as far know always one sbl # even though bit 2 at  
time

Through years owned by Spring Co.  
bought 1998 from Mesmar Studios - stored props  
did TV & movie shoots inside.

Really knew more from 1998 until now.

Never had oil use since he purchased. Converted prior to  
Natural gas & electric - mostly electric. Natural gas just  
for his heaters.

don't even know if/what Spring land co. mtg.

Prop group bought from - no mtg.

No past spills knowledge.

email: nealschwartz@msn.com

went over our questionnaire on phone. No knowledge  
spills, tank, haz. substances, etc.

Frances Messmore passed away ~15 years ago  
and wife passed away ~10 years ago > prior ~~to~~  
owners.



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Land Surveyors  
Planners  
Environmental Professionals  
Landscape Architects

**Hudson Valley Office**

21 Fox St., Poughkeepsie, NY 12601  
P: (845) 454-3980 F: (845) 454-4026  
[www.chazencompanies.com](http://www.chazencompanies.com)

Capital District Office (518) 273-0055  
North Country Office (518) 812-0513

April 10, 2013

Ms. Catherine M. Duemler  
180 Old Meeting House Road  
Westhampton Beach, NY 11978-1602

*Re: Former E.R. Merrill Spring Co. Property, 526-532 West 28<sup>th</sup> Street, New York City  
Chazen Job # 41311.00*

Dear Ms. Duemler:

The Chazen Companies (Chazen) is currently preparing a Phase I Environmental Site Assessment (ESA) of the above-referenced property for a prospective purchaser. Part of the ESA process requires that we contact and interview former site owner and occupants regarding past operations at the property. From our research, we understand that the property was owned by the E.R. Merrill Spring Company from sometime in the late 1800s. Available deeds on file for the property with the City of New York indicate that the property was transferred from E.R. Merrill Spring Co. to Merrill & Co. in 1977 and then from Merrill & Co. to Vera K. Merrill and you in 1980 before you sold the property to Messmore & Damon, Inc. later that year.

For this purpose, we have provided you with an Owner Questionnaire. Would you kindly your review it at your earliest convenience and return in the provided self-addressed stamped envelope? Preferably; however, we would like the opportunity to conduct an interview with you via the telephone to discuss the past uses of this property, including your knowledge of specific past manufacturing operations and petroleum storage tanks. Any information you are able to provide will be of great help.

Please feel free to call me if you have any questions. I look forward to speaking with you and thank you in advance for your assistance.

Sincerely,

A handwritten signature in black ink that reads "Emily A. Pereira".

Emily A. Pereira  
Sr. Environmental Scientist/  
Project Manager

T 689

Standard N.Y. B.T.U. Form 8001  
Mortgage & sale deed, without covenant against grantor's acts—Ind. or Corp.

REEL 26 1 1 PG 0434

135NY NY 21916

JULIUS BLUMBERG, INC., LAW BLANK PUBLISHERS

**CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT—THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY.**

\$ 14,600

**THIS INDENTURE**, made the 15<sup>th</sup> day of January, nineteen hundred and ninety-eight

**BETWEEN** MESSMORE & DAMON, INC., a New York corporation  
address: 530 West 28th Street  
New York, New York 10001

party of the first part, and RN REALTY, L.L.C., a New York limited liability company  
address: 242 West 36th Street  
New York, New York 10018

**WITNESSETH**, that the party of the first part, in consideration of ten dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

**ALL** that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Manhattan, City, County and State of New York, bounded and described as follows:

BEGINNING at a point on the Southerly side of West 28th Street distant 325 feet Westerly from the corner formed by the intersection of the southerly side of West 28th Street and the westerly side of 10th Avenue; thence SOUTHERLY and parallel with the westerly side of 10th Avenue 197 feet 6 inches to the northerly side of West 27th Street; thence WESTERLY along the northerly side of West 27th Street 95 feet; thence NORTHERLY and parallel with the westerly side of 10th Avenue 98 feet 9 inches to the center line of the block; thence WESTERLY along the center line of the block 5 feet; thence NORTHERLY and parallel with the westerly side of 10th Avenue 98 feet 9 inches to the southerly side of West 28th Street; thence EASTERLY along the southerly side of 28th Street 100 feet to the point or place of BEGINNING

\* 530 West 28th St NYC

**TOGETHER** with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; **TOGETHER** with the appurtenances and all the estate and rights of the party of the first part in and to said premises; **TO HAVE AND TO HOLD** the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

**AND** the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose. The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

**IN WITNESS WHEREOF**, the party of the first part has duly executed this deed the day and year first above written.

**IN PRESENCE OF:**

MESSMORE & DAMON, INC.

By: Nancy H. Messmore  
PRESIDENT

### Power of Attorney

KNOW ALL MEN BY THESE PRESENTS THAT I,

VERA K. MERRILL *C/O LANE & ALTON*

have made, constituted and appointed, and by these presents do make, constitute and appoint

my daughter, CATHERINE M. DUEMLER, *C/O LANE & ALTON*

my true and lawful attorney, for me from time to time to act as my alter ego with respect to any and all possible matters and affairs and in my name, place and stead to do any and all acts which I could do if personally present, hereby intending to give to my said attorney the greatest possible powers to act for me.

It is not my intention by setting out specific powers and authorizations to limit or cut down the broad powers given herein but to clarify and support such gifts of power by expressly giving and granting unto my said attorney full power:

- (1) To make, draw, sign, accept, indorse for any purpose, deposit, discount, and deliver notes, checks, drafts and other instruments for the payment of money, including specifically to my attorney's own credit or account; to sign receipts for canceled checks, vouchers, statements of account and any property in which I may have an interest, and to acknowledge the correctness of any statement of any account, whether owing to or by me or relating to any property held for me;
- (2) To ask, demand, sue for, recover, receive, collect and give receipts, releases and discharges for, all sums of money, debts, dues, accounts, dividends on stocks, interest on bonds or mortgages, rents, bequests, legacies, trust moneys, tax or other refunds, and other obligations or property which are or shall become due, owing and payable to me;
- (3) To institute, prosecute, defend, compromise, settle, arbitrate or otherwise dispose of any and all actions or proceedings, either at law or in equity, including actions for the foreclosure or enforcement otherwise of any mortgage or lease, upon any real or personal property; to execute and deliver any bonds, undertakings or recognizances that my said attorney may approve in any such or other actions or proceedings, whether the same be given under statutory requirements or otherwise, including such bonds or undertakings as may be necessary or desirable for the purpose of perfecting a compromise of or an appeal from any judgment or decree in any such actions or proceedings; to appear generally or specially in any action or proceeding which in any way may concern me or my property, or my right, title or interest therein; to compel accountings and filings of inventories; to employ and compensate attorneys to appear for and represent me in any action or proceeding instituted in my behalf or against me; to substitute any other attorney or attorneys and to appoint associate attorneys;
- (4) To represent me in any and all proceedings now pending or hereafter arising between me and the Treasury Department of the United States Government or any other federal, state or foreign governmental authorities relative to my income, gift, estate or other tax liability for all years, granting unto my said attorney full power in my name and on my behalf to appear before proper officials of the Treasury Department or any other federal, state or foreign government officials; to adjust, settle, compromise or otherwise dispose of all questions relative to any of the said tax liabilities; to receive copies of my tax returns and any papers, letters or other communications concerning any or all of said tax liabilities; to sign any waivers of the statute of limitations or any other waivers; to sign closing agreements for final determination of tax liability; to prepare, sign and file with any and all governmental authorities tax returns or other returns, requests for rulings and determinations, protests, appeals, consents and other documents; to execute and file refund claims or any other claims; to receive, to indorse and collect, checks in settlement of any refund; to execute and file petitions to the Tax Court of the United States and all other papers in connection with such proceedings; to substitute in the place and stead of said attorney any other attorney or attorneys and to appoint associate attorneys;
- (5) To obtain credit or borrow money in any currency (including all manner of credits and letters of credit); to renew any loan or extension of credit;
- (6) To sell or agree to sell at private or public sale, convey by warranty, quitclaim or other kind of deed, grant, transfer, lease and rent for such periods as my attorney may deem proper, though exceeding five years, exchange, pledge, hypothecate, mortgage, lend, make a gift of, possess, occupy, use, insure, and make repairs upon any property, real or personal, or any interest in such property, which may now or in the future belong to me, upon such terms and conditions or under such circumstances as my attorney may deem best; to erect, tear down or make repairs upon any building;
- (7) To buy, or agree to buy or to lease any property, real or personal, or any interest therein, and to execute and deliver a purchase money mortgage as part of the purchase price thereof;

(8) To buy, sell, exchange, pledge, hypothecate, mortgage, indorse for transfer or for any other purpose, register or cause to be registered in the name of any nominee, deliver, assign, transfer and execute all necessary instruments of assignment and transfer, dispose of, provide for the safekeeping of, and otherwise deal with any stocks, bonds or other securities or commodity interests or any real or personal property whatsoever;

(9) To buy, sell, transfer or dispose of for present or future delivery American or foreign moneys, credits or exchange, on deposit or otherwise, and all manner of instruments representative thereof, by indorsement or otherwise; to open, maintain, deposit in, operate, withdraw from, close and reopen accounts of every manner and description in American or foreign currencies with any banks, bankers, or trust companies, national banks, savings banks, savings and loans, credit unions, stock brokers, fiduciaries or other depositories or institutions, American or foreign, wheresoever situate;

(10) To invest and reinvest any funds that may now be in or later come into my said attorney's hands with full discretion in him to select the investments and reinvestments; and this discretion shall not be limited to those investments and reinvestments of the character authorized by the laws of any state for trust investments; to deposit any stocks, bonds or other securities with any broker and to authorize him to buy, sell, pledge, or exchange any stocks, bonds or other securities or commodity interests on margin or otherwise; to loan any sum of money with or without interest;

(11) To consent to, join in or oppose any condemnation or other proceeding, or any action brought to acquire any of my real or personal property or any interest therein;

(12) To apply for and effect any and all kinds of insurance; to pay any and all premiums thereon; to cancel and terminate any insurance and to receive payments in connection therewith;

(13) To execute and deliver agreements, instruments or documents of any kind and for any purpose deemed necessary or proper by my attorney including agreements for the extension of time for the payment of any sum of money due me;

(14) To have access to and to remove the contents of any and all safe deposit boxes which I now or hereafter may have with any bank, safe deposit company or other organization;

(15) To pay, renew, secure, settle or compromise any debt, claim or other liability due from me; to collect, renew, accept security for, settle, or compromise any debt, claim or other liability due to me;

(16) To attend and vote as my proxy or to authorize any other person or persons to attend and vote as my proxy at any meetings of stockholders or bondholders of any corporation or company, or on any occasion that voting by proxy is permitted; to take part in any stockholders', bondholders', or creditors' reorganization plan, and to give any consents and waivers in connection with such meetings or plan; to consent to or oppose any merger or consolidation of any corporation and company, or any sale or lease of its property, or any part thereof; to deposit securities under protective agreements or with protective committees with or without discretion thereby being delegated; to pay all assessments, subscriptions and other sums of money as my attorney may deem expedient for the protection of my interests as holder of any stocks, bonds, or other securities; to exercise any option contained in any stocks, bonds or other securities, for the conversion of the same into cash and/or stocks, bonds, other securities or other property, and to make any and all necessary payments in connection therewith; to exercise any right to subscribe for additional stocks, bonds or other securities, and to make any and all necessary payments therefor;

(17) To delegate any or all powers herein granted to a sub-attorney or sub-attorneys and to revoke any such delegations; but notwithstanding any such delegation my attorney shall retain full authority to act alone hereunder;

(18) To exercise any and all powers possessed by me under or in connection with any trust agreement, will or other instrument, including the power to alter, amend or revoke such agreement or instrument; to execute any consents or waivers of any kind in connection with any trust agreement, will or other instrument, and generally to perform any and all acts and to execute any and all documents which I might personally perform or execute as settlor, beneficiary or otherwise in connection with any trust agreement, will or other instrument, including the specific acts mentioned in the preceding paragraphs to the extent applicable in connection with any trust agreement, will or other instrument.

This durable family power of attorney shall not be affected by the disability of the principal except as provided by Statute.

*[Handwritten initials]*

*[Handwritten initials]*

*[Handwritten signature]*

Any banks, bankers, trust companies, national banks, savings banks, savings and loans, credit unions, safe deposit companies, stock brokers, fiduciaries, depositaries or other institutions, persons, firms or corporations may act in reliance hereon and shall be fully protected even though the said attorney, substitute or associate may be dealing with himself or herself, as it is contemplated that such may be the case.

I hereby expressly revoke any power of attorney heretofore given covering the authority and powers herein granted, without prejudice, however, to anything lawfully done or caused to be done under any power of attorney heretofore given, and I hereby ratify and confirm all previous acts of my attorney with the same force as if such acts had been done after the execution and delivery of this power of attorney.

I may at any time revoke this power of attorney, but it shall be deemed to be in full force and effect as to all persons, institutions and organizations which shall act in reliance thereon prior to the receipt of written revocation thereof signed by me and prior to receipt of actual notice of my death.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 23rd day of August, 19 83

Vera K. Merrill (L. S.)  
Vera K. Merrill

In the presence of:

Walter V. Van Dyke  
10 Wall Street 5j, Greenwich, CT 06830  
Rocco J. Lanni  
35 HAROLD AVE. GREENWICH, CT 06830

STATE OF New York } ss.:  
COUNTY OF Westchester

On this 23rd day of August, in the year 19 83 before me personally came Vera K. Merrill, to me known to be the individual described in and who executed the foregoing instrument and acknowledged that he executed the same.

John C. Martin  
JOHN C. MARTIN  
JOHN C. MARTIN  
Notary Public, State of New York  
No. 05-7738733  
Qualified in Bronx County  
Certificate Filed in Westchester County  
Commission Expires March 30, 19 84

*Comp EK.*

CITY REGISTER N.Y. COUNTY

888 MAY -8 PM 2-02

51

POWER OF ATTORNEY

Vera K. Merrill

to

Catherine M. Duemler

14433

*PREMISES 526-32 WEST 287TH ST. N.Y. N.Y.  
525-31 WEST 277TH ST. N.Y. N.Y.*

*SECTION 3  
BOOK 699  
LOT 49*

*BY ADDRESS - [Signature]*

Return by Mail to:

R. Leigh Duemler  
LANE & MITTENDORF  
99 Park Avenue  
New York, NY 10016

OFFICE OF CITY REGISTER  
New York County  
RECORDED  
Witness my hand  
and official seal

*R. Leigh Duemler*  
CITY REGISTER

9-COM 224802  
\$14.08

1061 PG 437

REEL 26 11 PG 0435

STATE OF NEW YORK, COUNTY OF

STATE OF NEW YORK, COUNTY OF

On the 15 day of 19 , before me personally came

On the day of 19 , before me personally came

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

STATE OF NEW YORK, COUNTY OF NEW YORK

STATE OF NEW YORK, COUNTY OF

On the 15<sup>th</sup> day of January 1998, before me personally came Dorothy H. Messmore to me known, who, being by me duly sworn, did depose and say that she resides at No. 130 East 47th St. of MESSMORE & DAMON, INC. PRESIDENT NY NY 10021;

On the day of 19 , before me personally came

the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he resides at No.

that he knows

in and which executed the foregoing instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

described in and who executed the foregoing instrument; that he, said subscribing witness, was present and saw execute the same; and that he, said witness, at the same time subscribed his name as witness thereto.

Paul H. Kelly  
PAUL H. KELLY  
Notary Public, State of New York  
No. 455517  
Qualified in New York County  
Commission Expires August 24, 1999

Bargain and Sale Deed  
WITHOUT COVENANT AGAINST GRANTOR'S ACT  
TITLE No. 135 NY 47 2196

SECTION 3  
BLOCK 699  
LOT 49  
COUNTY OR TOWN NEW YORK

MESSMORE & DAMON, INC.

TO

RN REALTY, L.L.C.

RETURN BY MAIL TO:

Douglas M. Cohen, Esq.  
Wolff & Samson  
280 Corporate Center  
5 Becker Farm Road  
Roseland, New Jersey Zip No. 07068-1776

Reserve this space for use of Recording Office.

FIRST AMERICAN TITLE INSURANCE COMPANY  
 OF NEW YORK  
 228 EAST 45TH STREET  
 NEW YORK, NY 10017  
 TEL: (212) 922-9700  
 FAX: (212) 922-0881

REEL 2611 PG 0436

## CITY REGISTER RECORDING AND ENDORSEMENT PAGE - NEW YORK COUNTY -

(This page forms part of the instrument)

Block(s) 699  
 Lot(s) 49  
530 West 28<sup>th</sup> ST

Record & Return to: WOLFE & SAMSON ATT: Doug Cohen, Esq.  
5 Becker Farm Rd, Roseland, N.J 07068  
 Title/Agent Company name: FIRST AMERICAN TITLE  
 Title Company number: 135 NYNY 21916

OFFICE USE ONLY - DO NOT WRITE BELOW THIS LINE

THE FOREGOING INSTRUMENT WAS ENDORSED FOR THE RECORD AS FOLLOWS:

Examined by (A): HNL

Mortgage Tax Serial No.	
Mortgage Amount	\$
Taxable Amount	\$
Exemption (A) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
Type: [308EE] [255] [OTHER]	
Dwelling Type: [1 & 2] [3] [4 & 6] [OTHER]	
TAX RECEIVED ON ABOVE MORTGAGE ▼	
County (basic)	\$
City (Addtl)	\$
Spec Addtl	\$
TASF	\$
MTA	\$
NYCTA	\$
TOTAL TAX	\$
Apportionment Mortgage (A) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

Joy A. Bobrow, City Register

City Register Serial Number 027629

Indexed By (A): [Signature] Verified By (A): [Signature]

Block(s) and Lot(s) verified by (A):  
 Address LD Tax Map   
 Extra Block(s) \_\_\_\_\_ Lot(s) \_\_\_\_\_

Recording Fee - A	\$ 32
Advalorem Fee - (C)	\$
TP-584/582 Fee - (Y)	\$
RPTT Fee - (R)	\$ 25
HPD-A <input checked="" type="checkbox"/>	HPD-C <input type="checkbox"/>

New York State Real Estate Transfer Tax ▼  
 \$ 14600

Serial Number 000000

New York City Real Property Transfer Tax  
 Serial Number R 6458

New York State Gains Tax  
 Serial Number     

00:00 06-7 101 16:02 I 1-1  
 3:00 PM 01/07/98 10:23  
 00:00 01/07/98 10:23  
 00:00 01/07/98 10:23

RECORDED IN NEW YORK COUNTY  
 OFFICE OF THE CITY REGISTER



1998 JUL -7 A 9 25

Witness My Hand and Official Seal

Joy A. Bobrow  
 City Register

REEL 2611 PG 0436

CRGF489N BPG 1/93

STAMPS  
\$880.00

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT - THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY

**THIS INDENTURE, made the 30th day of September, nineteen hundred and eighty BETWEEN**

VERA K. MERRILL and CATHERINE M. DUEMLER,  
as tenants in common,

address: c/o Casey, Lane & Mittendorf  
26 Broadway, New York, New York 10004

party of the first part, and

MESSMORE & DAMON INC., a New York Corporation

address: 530 West 28th Street  
New York, New York 10001

party of the second part,

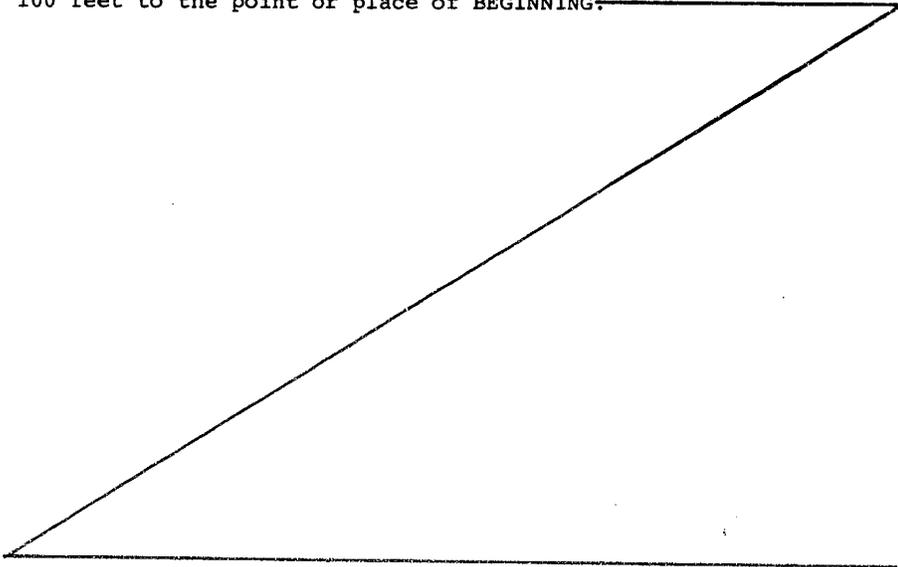
**WITNESSETH**, that the party of the first part, in consideration of Ten (\$10.00) - - - - -

----- dollars,  
lawful money of the United States, paid

by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

**ALL** that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Manhattan, City, County and State of New York, bounded and described as follows:

BEGINNING at a point on the Southerly side of West 28th Street distant 325 feet Westerly from the corner formed by the intersection of the southerly side of West 28th Street and the westerly side of 10th Avenue; thence SOUTHERLY and parallel with the westerly side of 10th Avenue 197 feet 6 inches to the northerly side of West 27th Street; thence WESTERLY along the northerly side of West 27th Street 95 feet; thence NORTHERLY and parallel with the westerly side of 10th Avenue 98 feet 9 inches to the center line of the block; thence WESTERLY along the center line of the block 5 feet; thence NORTHERLY and parallel with the westerly side of 10th Avenue 98 feet 9 inches to the southerly side of West 28th Street; thence EASTERLY along the southerly side of 28th Street 100 feet to the point or place of BEGINNING.

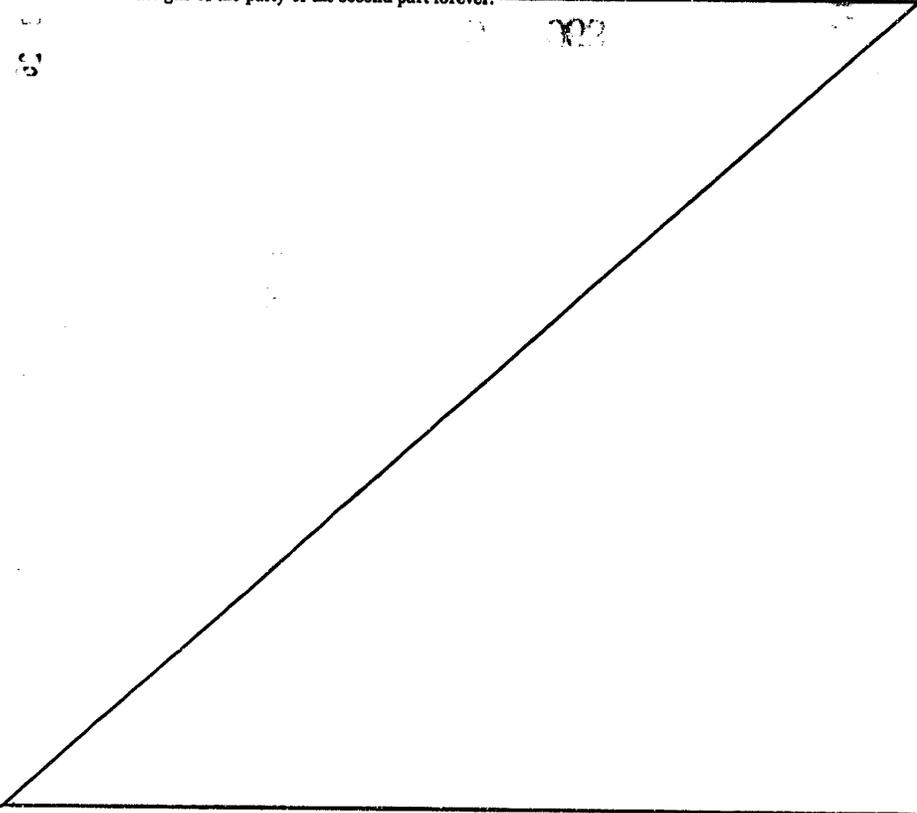


699  
1/9

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof,

TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises,

TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.



AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been incumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

Vera K. Merrill  
Vera K. Merrill

Catherine M. Duemler  
Catherine M. Duemler

RECORDED  
INDEXED  
MAY 19 1904  
COURT CLERK

On the 30th day of September 19 80, before me personally came Vera K. Merrill and Catherine M. Duemler

to me known to be the individuals described in and who executed the foregoing instrument, and acknowledged that they executed the same.

JOSEPH GREENE  
Notary Public, State of New York  
No. 31-4822136  
Qualified in New York County  
Commission expires March 30, 1982

*[Signature]*  
Notary Public

On the day of 19 , before me personally came to me known, who, being by me duly sworn, did depose and say that he resides at No.

that he is the of

, the corporation described in and which executed the foregoing instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

On the day of 19 , before me personally came

REEL **539** PG **142**

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that they executed the same.

On the day of 19 , before me personally came

the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he resides at No.

that he knows

to be the individual described in and who executed the foregoing instrument; that he, said subscribing witness, was present and saw execute the same; and that he, said witness, at the same time subscribed his name as witness thereto.

7 D

**Bargain and Sale Deed**  
WITH COVENANT AGAINST GRANTOR'S ACTS

TITLE No. **105-NY-8460**

**VERA K. MERRILL**

&  
**CATHERINE M. DUEMLER**  
TO

**MESSMORE & DAMON, INC.**

SECTION 3  
BLOCK 699  
LOT 49

LOC. VER. *[Signature]*

NEW YORK

FIRST AMERICAN TITLE INSURANCE  
COMPANY OF NEW YORK  
188 MONTAGUE STREET  
BROOKLYN, N. Y. 11201

RETURN BY MAIL TO:

MATTHEW BLY, ESQ.  
10 CUTTER MILL, RD.  
GREAT NECK, NY.  
Zip No. 11021

11783  
8800  
1480

Reserve this space for use of Recording Office.

1980 OCT 6 PM 3:26

OFFICE OF CITY REGISTER  
New York County  
RECORDED  
Witness my hand  
and official seal

*[Signature]*  
CITY REGISTER

\$880-  
REAL ESTATE  
OCT 6 1980  
TRANSFER TAX  
NEW YORK  
COUNTY

REC. # 4-13  
SET # 880-  
PT # R 4716

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT - THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY

REEL 539 PG 137

THIS INDENTURE, made the 27th day of August, nineteen hundred and eighty  
BETWEEN

MERRILL & CO., a Partnership with offices at  
One Royal Palm Way, Palm Beach, Florida,

party of the first part, and

Vera K. Merrill and Catherine M. Duemler,  
as tenants in common,

*Attest: Casper, Paus & Mittelendorf  
26 Broadway New York*

party of the second part,

WITNESSETH, that the party of the first part, in consideration of Ten (\$10.00) - - - - -

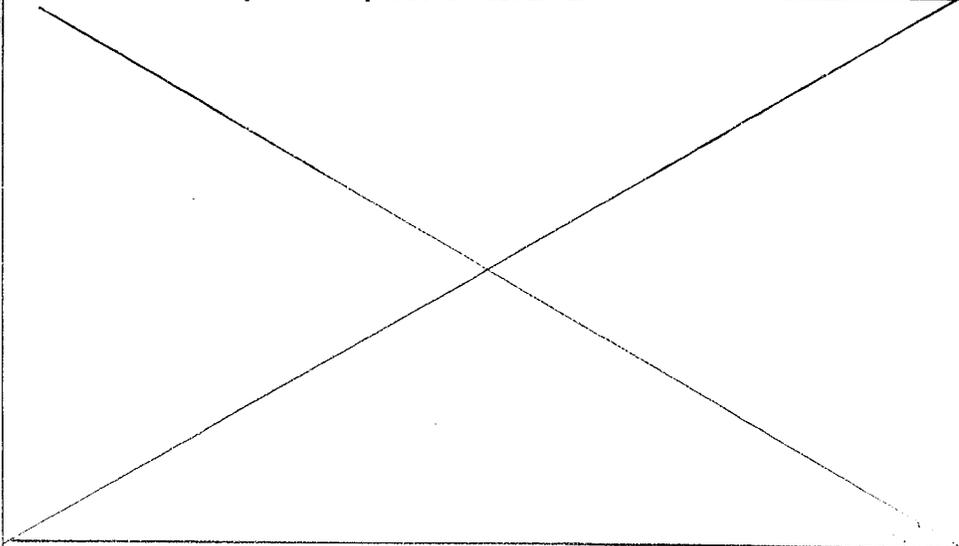
- - - - - dollars,

lawful money of the United States, paid

by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or  
successors and assigns of the party of the second part forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate,  
lying and being in the Borough of Manhattan, City, County and State of New  
York, bounded and described as follows:

BEGINNING at a point on the Southerly side of West 28th Street  
distant 325 feet Westerly from the corner formed by the inter-  
section of the southerly side of West 28th Street and the westerly  
side of 10th Avenue; thence SOUTHERLY and parallel with the west-  
erly side of 10th Avenue 197 feet 6 inches to the northerly side  
of West 27th Street; thence WESTERLY along the northerly side of  
West 27th Street 95 feet; thence NORTHERLY and parallel with the  
westerly side of 10th Avenue 98 feet 9 inches to the center line  
of the block; thence WESTERLY along the center line of the block  
5 feet; thence NORTHERLY and parallel with the westerly side of  
10th Avenue 98 feet 9 inches to the southerly side of West 28th  
Street; thence EASTERLY along the southerly side of 28th Street  
100 feet to the point or place of BEGINNING.



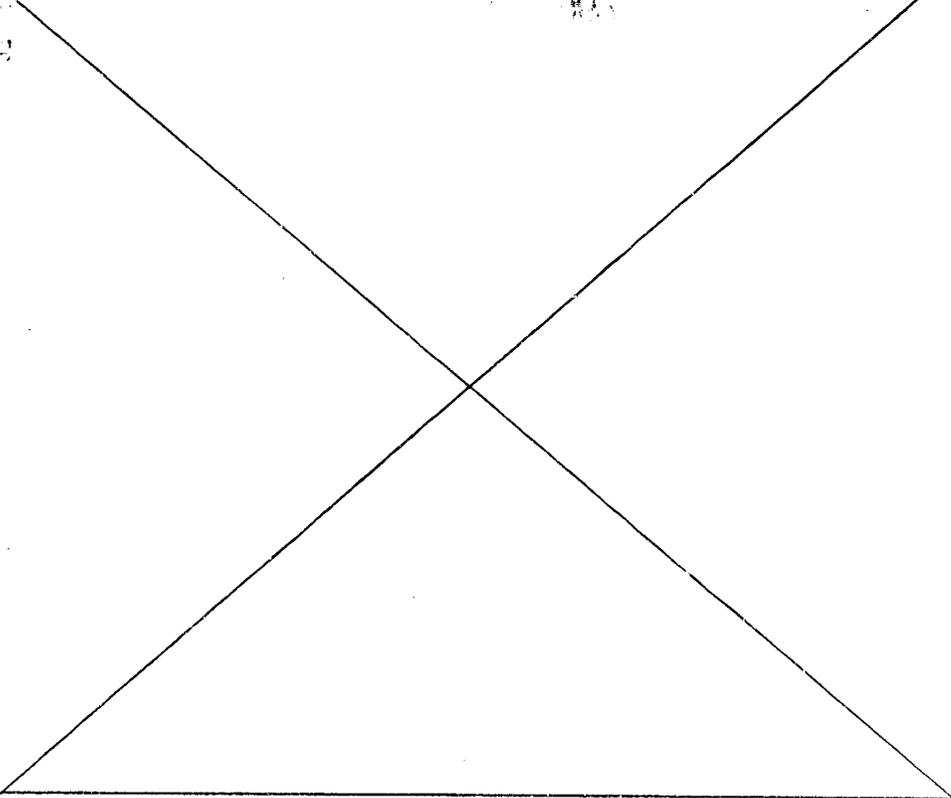
*No  
Consideration*

*699  
49*

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof,

TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises,

TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.



AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been incumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

MERRILL & CO.

By: Vera K. Merrill

Caroline M. Glendon

General Partners

ROSE HAZEL HIRNEY  
NOTARY PUBLIC, State of New York  
No. 807998100  
Qualified in Westchester County  
Term Expires March 30, 1954

Bob A. Irving

On the 15 day of Sept 1980, before me personally came Vera K. Merrill and Catherine M. Duemler

to me known, by whom the foregoing instrument was executed, and acknowledged that they are the general partners of MERRILL & CO., that the foregoing instrument was signed on behalf of said partnership, MERRILL & CO., pursuant to due authority, and they acknowledged that the execution of the foregoing instrument was the free act and deed of said partnership.

ROSE MAZEL TUANEY
NOTARY PUBLIC, State of New York
No. 90, 99812
Qualified in Westchester County
Expires Nov. 30, 1981
Notary

STATE OF NEW YORK, COUNTY OF

On the day of 19, before me personally came to me known, who, being by me duly sworn, did depose and say that he resides at No.

that he is the of

the corporation described in and which executed the foregoing instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

On the day of 19, before me personally came

REEL 539 PG 139

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

STATE OF NEW YORK, COUNTY OF

On the day of 19, before me personally came

the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he resides at No.

that he knows

to be the individual described in and who executed the foregoing instrument; that he, said subscribing witness, was present and saw execute the same; and that he, said witness, at the same time subscribed his name as witness thereto.

7 B Bargain and Sale Deed WITH COVENANT AGAINST GRANTOR'S ACTS TITLE No. 105-NY-8406

MERRILL & Co.

TO VERA K. MERRILL & CATHERINE M. DUEMLER

SECTION 3 BLACK 699 49 NEW YORK
FIRST AMERICAN TITLE INSURANCE COMPANY OF NEW YORK 199 MONTAGUE STREET BROOKLYN, N. Y. 11201

LOC. VER. [Signature]

RETURN BY MAIL TO:

CASEY, LANE & MITTENDORF, ESQS. 26 BROADWAY NEW YORK, N.Y. ATT: R. LEIGH DUEHLER, ESS. Zip No. 10004

11782 14-00

Reserve this space for use of Recording Office. 1980 OCT 6 PM 3:26 OFFICE OF CITY REGISTER New York County RECORDED Witness my hand and official seal John J. Lugnetta CITY REGISTER \$ REAL ESTATE OCT 6 1980 TRANSFER TAX NEW YORK COUNTY R 4715

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT - THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY

REEL 407 PAGE 905

THIS INDENTURE, made the 27th day of July, nineteen hundred and seventy-seven  
BETWEEN The E. R. Merrill Spring Company, a New York corporation  
with offices at One Royal Palm Way, Palm Beach, Florida

party of the first part, and Merrill & Co., a Partnership with offices at  
One Royal Palm Way, Palm Beach, Florida

party of the second part,

WITNESSETH, that the party of the first part, in consideration of Ten (\$10.00)-----

-----dollars,

lawful money of the United States, and other consideration paid

by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or  
successors and assigns of the party of the second part forever.

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate,

lying and being ~~the entire one-story building and the entire four~~  
~~story building erected thereon known respectively as 525-531~~  
~~West 27th Street and 526-532 West 28th Street~~; in the Borough  
of Manhattan, City, County and State of New York, bounded and  
described as follows:

BEGINNING at a point on the Southerly side of West 28th Street  
distant 325 feet Westerly from the corner formed by the inter-  
section of the southerly side of West 28th Street and the  
westerly side of 10th Avenue; thence SOUTHERLY and parallel with  
the westerly side of 10th Avenue 197 feet 6 inches to the  
northerly side of West 27th Street; thence WESTERLY along  
the northerly side of West 27th Street 95 feet; thence  
NORTHERLY and parallel with the westerly side of 10th Avenue  
98 feet 9 inches to the center line of the block; thence  
WESTERLY along the center line of the block 5 feet; thence  
NORTHERLY and parallel with the westerly side of 10th Avenue  
98 feet 9 inches to the southerly side of West 28th Street;  
thence EASTERLY along the southerly side of 28th Street 100 feet  
to the point or place of BEGINNING.

SAID premises being known as and by the street numbers 525-531  
West 27th Street and 526-532 West 28th Street, New York, N.Y.

**TOGETHER** with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof,

**TOGETHER** with the appurtenances and all the estate and rights of the party of the first part in and to said premises,

**TO HAVE AND TO HOLD** the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

This transfer is made with the unanimous consent of the shareholders of the party of the first part, and this deed is given pursuant to the dissolution of that corporation.

**AND** the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been incumbered in any way whatever, except as aforesaid.

**AND** the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

**IN WITNESS WHEREOF**, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

The E. R. Merrill Spring Company

By C. R. Merrill  
President

STATE OF NEW YORK, COUNTY OF

STATE OF NEW YORK, COUNTY OF

On the day of 19 , before me personally came

On the day of 19 , before me personally came

DEED 407 PAGE 907

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

STATE OF NEW YORK, COUNTY OF SUFFOLK NEW YORK

STATE OF NEW YORK, COUNTY OF

On the 1st day of AUG 1977, before me personally came Vera K. Merrill to me known, who, being by me duly sworn, did depose and say that she resides at No. One Royal Palm Way, Palm Way, Palm Beach, Florida; that she is the President of The E. R. Merrill Spring Company, the corporation described in and which executed the foregoing instrument; that she knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that she signed her name thereto by like order.

On the day of 19 , before me personally came to me known, who, being by me duly sworn, did depose and say that he resides at No. ; that he is the of ; the corporation described in and which executed the foregoing instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

*E. Donald Terry*  
NOTARY PUBLIC  
E. DONALD TERRY  
NOTARY PUBLIC, State of New York  
No. 52-3954175  
Qualified in Suffolk County  
Commission Expires March 30, 1979

**Bargain and Sale Deed**  
WITH COVENANT AGAINST GRANTOR'S ACTS  
TITLE No. \_\_\_\_\_

SECTION 3  
BLOCK 699  
LOT 99  
COUNTY OR TOWN NEW YORK

THE E. R. MERRILL SPRING COMPANY  
TO  
MERRILL & CO.

LOC. VER. P

RETURN BY MAIL TO:

CASEY, LANE & MITTEN DORF  
26 BROADWAY  
NEW YORK, NY Zip No. 10004

300  
302

ISS 16584 LL-6-306 RP 3550  
V 06584 LL-6-306

RECORDED IN NEW YORK COUNTY  
BLOCK \_\_\_\_\_ LOT \_\_\_\_\_

SERIAL NUMBER 08675 157 AUG -9 AM 11:21

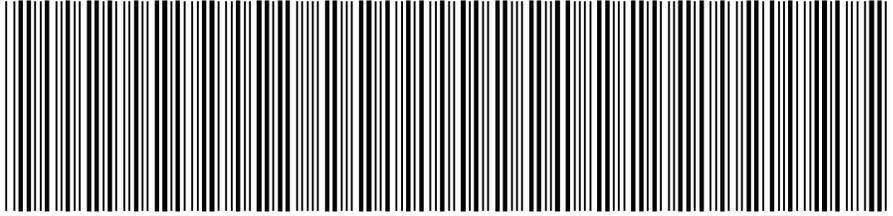
*William W. Sawyer*  
CITY REGISTER

EXEMPT  
REAL ESTATE  
AUG 9 1978  
TRAINED  
NEW YORK COUNTY  
ST 194

Reserve this space for use of Recording Office.

**NYC DEPARTMENT OF FINANCE  
OFFICE OF THE CITY REGISTER**

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.



2010110300224006001E151E

**RECORDING AND ENDORSEMENT COVER PAGE**

**PAGE 1 OF 14**

**Document ID: 2010110300224006** Document Date: 10-28-2010 Preparation Date: 11-04-2010  
Document Type: ASSIGNMENT OF LEASES AND RENTS  
Document Page Count: 12

<b>PRESENTER:</b> KENSINGTON VANGUARD NATIONAL LAND 39 WEST 37TH STREET, SEVENTH FLOOR HOLD FOR PICKUP / SEARCH NY NEW YORK, NY 10018 212-532-8686 805169 (F-NY-CR-MAD)	<b>RETURN TO:</b> 11TH AVENUE PROPERTIES LLC 825 THIRD AVENUE, 37TH FLOOR NEW YORK, NY 10022 ATTN: JULIE BRESLIN
---	--

**PROPERTY DATA**

Borough	Block	Lot	Unit	Address
MANHATTAN	699	49	Entire Lot	530 WEST 28TH STREET
<b>Property Type: COMMERCIAL REAL ESTATE</b>				

**CROSS REFERENCE DATA**

MANHATTAN **Year:** 1998 **Reel:** 2611 **Page:** 437  
x Additional Cross References on Continuation Page

**PARTIES**

<b>ASSIGNOR:</b> RN REALTY, L.L.C. 15 DELL DRIVE EAST ROCKAWAY, NY 11518	<b>ASSIGNEE:</b> 11TH AVENUE PROPERTIES LLC 825 THIRD AVENUE, 37TH FLOOR NEW YORK, NY 10022
---	--

**FEES AND TAXES**

Mortgage		Filing Fee:	
Mortgage Amount:	\$ 6,500,000.00		\$ 0.00
Taxable Mortgage Amount:	\$ 0.00	NYC Real Property Transfer Tax:	\$ 0.00
Exemption:	255		\$ 0.00
TAXES: County (Basic):	\$ 0.00	NYS Real Estate Transfer Tax:	\$ 0.00
City (Additional):	\$ 0.00		\$ 0.00
Spec (Additional):	\$ 0.00		
TASF:	\$ 0.00		
MTA:	\$ 0.00		
NYCTA:	\$ 0.00		
Additional MRT:	\$ 0.00		
<b>TOTAL:</b>	<b>\$ 0.00</b>		
Recording Fee:	\$ 97.00		
Affidavit Fee:	\$ 8.00		



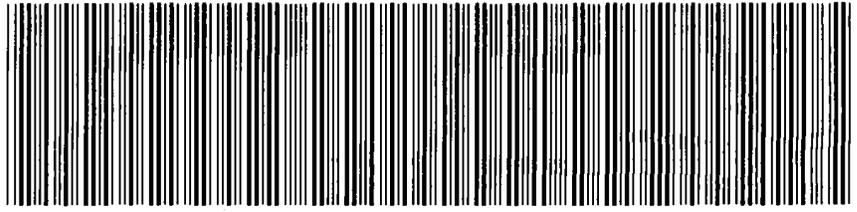
**RECORDED OR FILED IN THE OFFICE  
OF THE CITY REGISTER OF THE  
CITY OF NEW YORK**

Recorded/Filed 11-12-2010 12:31  
City Register File No.(CRFN):  
**2010000379371**

*Annette McHill*

*City Register Official Signature*

NYC DEPARTMENT OF FINANCE  
OFFICE OF THE CITY REGISTER



2010110300224006001C179E

RECORDING AND ENDORSEMENT COVER PAGE (CONTINUATION) PAGE 2 OF 14

Document ID: 2010110300224006

Document Date: 10-28-2010

Preparation Date: 11-04-2010

Document Type: ASSIGNMENT OF LEASES AND RENTS

**CROSS REFERENCE DATA**

CRFN: 2005000042151

Document ID: 2010110300224001

Document ID: 2010110300224002

Document ID: 2010110300224003

Document ID: 2010110300224004

Document ID: 2010110300224005

**RN REALTY, L.L.C.**

(Assignor)

To

**11TH AVENUE PROPERTIES LLC**

(Assignee)

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**ASSIGNMENT OF LEASES AND RENTS**

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Dated: October 28, 2010

Premises: 530 West 28th Street  
New York, New York 10001

Section:  
Block: 699  
Lot: 49  
County: New York

**RECORD AND RETURN TO:**

11th Avenue Properties LLC  
825 Third Avenue, 37th Floor  
New York, New York 10022  
Attention: Julie Breslin

File No.: FILE NO

Title No.: TITLE NO

Title Co.: Kensington National Land  
Services as agent for First  
American Title Insurance  
Company of New York

**THIS ASSIGNMENT OF LEASES AND RENTS** (the "Assignment") is made as of the 28th day of October in the year 2010, by **RN REALTY, L.L.C.**, a New York limited liability company, having an address at 15 Dell Drive, East Rockaway, New York 11518 (being referred to herein as the "Assignor"), to **11TH AVENUE PROPERTIES LLC**, a New York limited liability company, its successors and/or assigns, as their interests may appear, having offices at 825 Third Avenue, 37th Floor, New York, New York 10022 (the "Assignee").

**WITNESSETH:**

**THAT** Assignor, for good and valuable consideration, receipt whereof is hereby acknowledged, hereby grants, transfers and assigns to Assignee the entire lessor's interest in and to all leases and other agreements affecting the use, enjoyment, or occupancy of all or any part of that certain lot or piece of land, more particularly described in Schedule "A" annexed hereto and made a part hereof (the "**Premises**"), together with the buildings, structures, fixtures, additions, enlargements, extensions, modifications, repairs, replacements and improvements now or hereafter located thereon (hereinafter collectively referred to as the "**Mortgaged Property**");

**TOGETHER WITH** all other leases and other agreements affecting the use, enjoyment or occupancy of the Mortgaged Property now or hereafter made affecting the Mortgaged Property or any portion thereof, together with any extension or renewal of the same, this Assignment of other present and future leases and present and future agreements being effective without further or supplemental assignment (the leases and other agreements described above together with all other present and future leases and present and future agreements and any extension or renewal of the same are hereinafter collectively referred to as the "**Leases**");

**TOGETHER WITH** all rents, income, issues and profits arising from the Leases and renewals thereof and together with all rents, income, issues and profits (including all oil and gas or other mineral royalties and bonuses) from the use, enjoyment and occupancy of the Mortgaged Property, inclusive of any security deposits and/or letters of credit, as applicable, including, without limitation that certain Letter of Credit No. 63651452 issued by Citibank, N.A. made by 530 W. 28<sup>th</sup> Street, LP to the order of RN Realty, LLC (hereinafter collectively referred to as the "**Rents**").

**THIS ASSIGNMENT** is made for the purposes of securing:

A. The payment of the principal sum, interest and all other sums (hereinafter collectively referred to as the "**Debt**") secured by, inter alia, those certain mortgages as evidenced by that certain Consolidation and Modification of Mortgage of even date herewith in the principal amount of \$6,500,000.00<sup>\*</sup> by Assignor as mortgagor and Assignee as mortgagee covering the Premises (hereinafter referred to as the "**Mortgage**") and evidenced by those certain mortgage notes as consolidated of even date herewith by that certain Amended and Restated Note in the principal amount of \$6,500,000.00 made by Assignor as maker and Assignee as payee (hereinafter collectively referred to as the "**Note**").

*\* See Exhibit A*

B. The performance and discharge of each and every obligation, covenant and agreement of Assignor contained herein, in the Mortgage, in the Note and in all and any of the documents other than this Assignment, the Note or the Mortgage now or hereafter executed

by Assignor and/or others and by or in favor of Assignee which wholly or partially secure or guarantee payment of the Debt (hereinafter collectively referred to as the "**Other Security Documents**").

**ASSIGNOR WARRANTS** that (i) Assignor is the sole owner of the entire lessor's interest in the Leases; (ii) the Leases are valid and enforceable and have not been altered, modified or amended in any manner whatsoever except as herein set forth; (iii) none of the Rents reserved in the Leases have been assigned or otherwise pledged or hypothecated; (iv) none of the Rents have been collected for more than one (1) month in advance except that, Assignee acknowledges that pursuant to that certain lease between Assignor and 530 W. 28<sup>th</sup> Street, L.P. dated January 22, 2002, as amended ("530 W. 28<sup>th</sup> Street Lease"), Assignor is currently holding the Fixed Rent (as such term is defined in the 530 W. 28<sup>th</sup> Street Lease) for the last five (5) months of the Lease Term (as such term is defined in the 530 W. 28<sup>th</sup> Street Lease); (v) Assignor has full power and authority to execute and deliver this Assignment and the execution and delivery of this Assignment has been duly authorized and does not conflict with or constitute a default under any law, judicial order or other agreement affecting Assignor or the Mortgaged Property; (vi) the premises demised under the Leases have been completed and the tenants under the Leases have accepted the same and have taken possession of the same on a rent-paying basis; and (vii) there exist no offsets or defenses to the payment of any portion of the Rents.

**ASSIGNOR COVENANTS** with Assignee that Assignor (a) shall observe and perform all the obligations imposed upon the lessor under the Leases and shall not do or permit to be done anything to impair the value of the Leases as security for the Debt; (b) shall promptly send copies to Assignee of all notices of default which Assignor shall send or receive thereunder; (c) shall enforce all of the terms, covenants and conditions contained in the Leases upon the part of the lessees thereunder to be observed or performed, short of termination thereof; (d) shall not collect any of the Rents more than one (1) month in advance; (e) shall not execute any other assignment of lessor's interest in the Leases or the Rents; (f) shall not alter, modify or change the terms of the Leases without the prior written consent of Assignee, or cancel or terminate the Leases or accept a surrender thereof or convey or transfer or suffer or permit a conveyance or transfer of the Mortgaged Property or of any interest therein so as to effect a merger of the estates and rights of, or a termination or diminution of the obligations of, lessees thereunder; (g) shall not alter, modify or change the terms of any guaranty of any of the Leases or cancel or terminate any such guaranty without the prior written consent of Assignee; (h) shall execute and deliver at the request of Assignee all such further assurances, confirmations and assignments in connection with the Mortgaged Property as Assignee shall from time to time require; and (i) shall not enter into any new lease of the Mortgaged Property without the prior written consent of Assignee.

**ASSIGNOR FURTHER COVENANTS** with Assignee that (A) all Leases shall be written on the standard form of lease which standard form lease shall be submitted to Assignee for approval; (B) upon request, Assignor shall furnish Assignee with executed copies of all Leases; (C) no material changes may be made to the Assignee-approved standard lease without the prior written consent of Assignee; (D) in addition, all renewals of Leases and all proposed Leases shall provide for rental rates comparable to existing local market rates, which, in the case of residential Leases, shall not be in excess of the local registered rent for the apartment to which the Lease relates, and shall be arms-length transactions; (E) all Leases shall

provide that they are subordinate to the Mortgage and that the lessees agree to attorn to Assignee, and (F) that, in the case of residential Leases, Assignor will comply with all requirements to register such Leases with the Division of Housing and Community Renewal or other applicable municipal agency.

**THIS ASSIGNMENT** is made on the following terms, covenants and conditions:

1. **Present Assignment.** Assignee is hereby granted and assigned by Assignor the right to enter the Mortgaged Property for the purpose of enforcing its interest in the Leases and the Rents, this Assignment constituting a present, absolute assignment of the Leases and Rents. Nevertheless, subject to the terms of this paragraph 1, Assignee grants to Assignor a revocable license to operate and manage the Mortgaged Property and to collect the Rents. Assignor shall hold the Rents, or a portion thereof sufficient to discharge all current sums due on the Debt, for use in the payment of such sums. Upon or at any time after an Event of Default (as defined in the Mortgage), the license granted to Assignor herein may be revoked by Assignee.

2. **Remedies of Assignee.** Upon or at any time after an Event of Default, Assignee may, at its option, without waiving such Event of Default, without notice and without regard to the adequacy of the security for the Debt, either in person or by agent, with or without bringing any action or proceeding, or by a receiver appointed by a court, revoke the license granted in paragraph 1 of this Assignment and take possession of the Mortgaged Property and have, hold, manage, lease and operate the Mortgaged Property on such terms and for such period of time as Assignee may deem proper and either with or without taking possession of the Mortgaged Property in its own name, demand, sue for and otherwise collect and receive all Rents, including those past due and unpaid with full power to make from time to time all alterations, renovations, repairs or replacements thereto or thereof as may seem proper to Assignee and may apply the Rents to the payment of the following in such order and proportion as Assignee in its sole discretion may determine, any law, custom or use to the contrary notwithstanding: (a) all expenses of managing and securing the Mortgaged Property, including, without being limited thereto, the salaries, fees and wages of a managing agent and such other employees or agents as Assignee may deem necessary or desirable and all expenses of operating and maintaining the Mortgaged Property, including, without being limited thereto, all taxes, charges, claims, assessments, water charges, sewer rents and any other liens, and premiums for all insurance which Assignee may deem necessary or desirable, and the cost of all alterations, renovations, repairs or replacements; and all expenses incident to taking and retaining possession of the Mortgaged Property; and (b) the Debt, together with all costs and attorneys' fees. In addition to the rights which Assignee may have herein, upon the occurrence of an Event of Default, Assignee, at its option, may either require Assignor to pay monthly in advance to Assignee, or any receiver appointed to collect the Rents, the fair and reasonable rental value for the use and occupation of such part of the Mortgaged Property as may be in possession of Assignor or may require Assignor to vacate and surrender possession of the Mortgaged Property to Assignee or to such receiver and, in default thereof, Assignor may be evicted by summary proceedings or otherwise. For purposes of this paragraph 2, Assignor grants to Assignee its irrevocable power of attorney, coupled with an interest, to take any and all of the aforementioned actions and any or all other actions designated by Assignee for the proper management and preservation of the Mortgaged Property. The exercise by Assignee of the option granted it in this paragraph 2 and the collection of the Rents and the application thereof as herein provided shall

not be considered a waiver of any default by Assignor under the Note, the Mortgage, the Leases, this Assignment or the Other Security Documents.

3. **No Liability of Assignee.** Assignee shall not be liable for any loss sustained by Assignor resulting from Assignee's failure to let the Mortgaged Property after an Event of Default or from any other act or omission of Assignee in managing the Mortgaged Property after default unless such loss is caused by the willful misconduct and bad faith of Assignee. Assignee shall not be obligated to perform or discharge any obligation, duty or liability under the Leases or under or by reason of this Assignment and Assignor shall, and hereby agrees, to indemnify Assignee for, and to hold Assignee harmless from, any and all liability, loss or damage which may or might be incurred under the Leases or under or by reason of this Assignment and from any and all claims and demands whatsoever, including the defense of any such claims or demands which may be asserted against Assignee by reason of any alleged obligations and undertakings on its part to perform or discharge any of the terms, covenants or agreements contained in the Leases. Should Assignee incur any such liability, the amount thereof, including costs, expenses and reasonable attorneys' fees, shall be secured hereby and by the Mortgage and the Other Security Documents and Assignor shall reimburse Assignee therefor immediately upon demand and upon the failure of Assignor so to do Assignee may, at its option, declare all sums secured hereby and the Mortgage and the Other Security Documents immediately due and payable. This Assignment shall not operate to place any obligation or liability for the control, care, management or repair of the Mortgaged Property upon Assignee, nor for the carrying out of any of the terms and conditions of the Leases; nor shall it operate to make Assignee responsible or liable for any waste committed on the Mortgaged Property by the tenants or any other parties, or for any dangerous or defective condition of the Mortgaged Property, including without limitation the presence of any Hazardous Materials (as defined in the Mortgage), or for any negligence in the management, upkeep, repair or control of the Mortgaged Property resulting in loss or injury or death to any tenant, licensee, employee or stranger.

4. **Notice to Lessees.** Assignor hereby authorizes and directs the lessees named in the Leases or any other or future lessees or occupants of the Mortgaged Property upon receipt from Assignee of written notice to the effect that Assignee is then the holder of the Mortgage and that a default exists thereunder or under this Assignment, the Note or the Other Security Documents to pay over to Assignee all Rents and to continue so to do until otherwise notified by Assignee.

5. **Other Security.** Assignee may take or release other security for the payment of the Debt, may release any party primarily or secondarily liable therefor and may apply any other security held by it to the reduction or satisfaction of the Debt without prejudice to any of its rights under this Assignment.

6. **Other Remedies.** Nothing contained in this Assignment and no act done or omitted by Assignee pursuant to the power and rights granted to Assignee hereunder shall be deemed to be a waiver by Assignee of its rights and remedies under the Note, the Mortgage, or the Other Security Documents and this Assignment is made and accepted without prejudice to any of the rights and remedies possessed by Assignee under the terms thereof. The right of Assignee to collect the Debt and to enforce any other security therefor held by it may be

exercised by Assignee either prior to, simultaneously with, or subsequent to any action taken by it hereunder.

7. **No Mortgagee in Possession.** Nothing contained in this Assignment shall be construed as constituting Assignee a "mortgagee in possession" in the absence of the taking of actual possession of the Mortgaged Property by Assignee. In the exercise of the powers herein granted Assignee, no liability shall be asserted or enforced against Assignee, all such liability being expressly waived and released by Assignor.

8. **Conflict of Terms.** In case of any conflict between the terms of this Assignment and the terms of the Mortgage, the terms of the Mortgage shall prevail.

9. **No Oral Change.** This Assignment and any provisions hereof may not be modified, amended, waived, extended, changed, discharged or terminated orally, or by any act or failure to act on the part of Assignor or Assignee, but only by an agreement in writing signed by the party against whom the enforcement of any modification, amendment, waiver, extension, change, discharge or termination is sought.

10. **Certain Definitions.** Unless the context clearly indicates a contrary intent or unless otherwise specifically provided herein, words used in this Assignment may be used interchangeably in singular or plural form and the word "Assignor" shall mean "each Assignor and any subsequent owner or owners of the Mortgaged Property or any part thereof or any interest therein," the word "Assignee" shall mean "Assignee and any subsequent holder of the Note," the word "Note" shall mean "the Note and any other evidence of indebtedness secured by the Mortgage," the word "person" shall include an individual, corporation, partnership, limited liability company, trust, unincorporated association, government, governmental authority, and any other entity, the words "Mortgaged Property" shall include any portion of the Mortgaged Property and any interest therein, and the word "Debt" shall mean the principal balance of the Note with interest thereon as provided in the Note and the Mortgage and all other sums due pursuant to the Note, the Mortgage, this Assignment and the Other Security Documents; whenever the context may require, any pronouns used herein shall include the corresponding masculine, feminine or neuter forms, and the singular form of nouns and pronouns shall include the plural and vice versa.

11. **Non-Waiver.** The failure of Assignee to insist upon strict performance of any term hereof shall not be deemed to be a waiver of any term of this Assignment. Assignor shall not be relieved of Assignor's obligations hereunder by reason of (i) failure of Assignee to comply with any request of Assignor or any other party to take any action to enforce any of the provisions hereof or of the Mortgage, the Note or the Other Security Documents, (ii) the release regardless of consideration, of the whole or any part of the Mortgaged Property, or (iii) any agreement or stipulation by Assignee extending the time of payment or otherwise modifying or supplementing the terms of this Assignment, the Note, the Mortgage or the Other Security Documents. Assignee may resort for the payment of the Debt to any other security held by Assignee in such order and manner as Assignee, in its discretion, may elect. Assignee may take any action to recover the Debt, or any portion thereof, or to enforce any covenant hereof without prejudice to the right of Assignee thereafter to enforce its rights under this Assignment. The rights of Assignee under this Assignment shall be separate, distinct and cumulative and none

shall be given effect to the exclusion of the others. No act of Assignee shall be construed as an election to proceed under any one provision herein to the exclusion of any other provision.

12. **Applicable Provisions.** If any term, covenant or condition of this Assignment is held to be invalid, illegal or unenforceable in any respect, this Assignment shall be construed without such provision.

13. **Duplicate Original.** This Assignment may be executed in any number of duplicate originals and each such duplicate original shall be deemed to be an original.

14. **Governing Law.** THIS ASSIGNMENT, THE NOTE, THE MORTGAGE AND EACH OF THE OTHER SECURITY DOCUMENTS SHALL IN ALL RESPECTS BE GOVERNED, CONSTRUED, APPLIED AND ENFORCED IN ACCORDANCE WITH THE INTERNAL LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO PRINCIPLES OF CONFLICTS OF LAW.

15. **Termination of Assignment.** Upon payment in full of the Debt and the delivery and recording of a satisfaction or discharge of Mortgage duly executed by Assignee, this Assignment shall become and be void and of no effect.

16. **Rights of Assignee.** Assignee shall have all the rights against lessees of the Mortgaged Property as set forth in Section 291-f of the Real Property Law of New York.

17. **Joint and Several Obligations.** Notwithstanding anything to the contrary, if the Assignor consists of more than one (1) person or entity, the representations, warranties, covenants and agreements made by Assignor herein and/or in any of the Other Security Documents, and the liability of the Assignor hereunder or thereunder, is joint and several.

18. **Consent to Jurisdiction.** FOR ANY CLAIM, ACTION, OR DISPUTE ARISING UNDER, OR TO INTERPRET OR APPLY, THIS ASSIGNMENT, THE NOTE, THE MORTGAGE OR ANY OTHER SECURITY DOCUMENTS, OR TO RESOLVE ANY DISPUTE ARISING UNDER THE FOREGOING OR THE RELATIONSHIP BETWEEN THE PARTIES, ASSIGNOR IRREVOCABLY SUBMITS TO THE NONEXCLUSIVE JURISDICTION OF THE COURTS OF THE STATE OF NEW YORK AND THE UNITED STATES DISTRICT COURT LOCATED IN THE BOROUGH OF MANHATTAN IN NEW YORK CITY, NEW YORK, AND APPELLATE COURTS FROM ANY OF SUCH COURTS. ASSIGNOR IRREVOCABLY WAIVES ANY OBJECTION THAT IT MAY HAVE AT ANY TIME TO VENUE OF ANY SUCH SUIT, ACTION, OR PROCEEDING BROUGHT IN ANY SUCH COURT, INCLUDING ANY CLAIM THAT ANY SUCH SUIT, ACTION, OR PROCEEDING SO BROUGHT HAS BEEN BROUGHT IN AN INCONVENIENT FORUM. NOTHING IN THIS ASSIGNMENT, THE NOTE, THE MORTGAGE OR ANY OTHER SECURITY DOCUMENTS SHALL BE DEEMED TO PRECLUDE ASSIGNEE FROM BRINGING ANY SUIT, ACTION, OR PROCEEDING RELATING TO THIS ASSIGNMENT, THE NOTE, THE MORTGAGE, ANY OTHER SECURITY DOCUMENTS OR THE DEBT (AS SUCH TERM IS DEFINED IN THE NOTE) IN ANY OTHER JURISDICTION WHERE ASSIGNEE COULD OTHERWISE PROPERLY BRING SUCH SUIT, ACTION, OR

PROCEEDING. ASSIGNOR FURTHER CONSENTS AND AGREES TO SERVICE OF ANY SUMMONS, COMPLAINT OR OTHER LEGAL PROCESS IN ANY SUCH SUIT, ACTION OR PROCEEDING BY REGISTERED OR CERTIFIED U.S. MAIL, POSTAGE PREPAID, TO ASSIGNOR AT THE ADDRESS SET FORTH ON PAGE 1 HEREOF, AND CONSENTS AND AGREES THAT SUCH SERVICE SHALL CONSTITUTE IN EVERY RESPECT VALID AND EFFECTIVE SERVICE (BUT NOTHING HEREIN SHALL AFFECT THE VALIDITY OR EFFECTIVENESS OF PROCESS SERVED IN ANY OTHER MANNER PERMITTED BY LAW).

**THIS ASSIGNMENT**, together with the covenants and warranties therein contained, shall inure to the benefit of Assignee and any subsequent holder of the Mortgage and shall be binding upon Assignor, his heirs, executors, administrators, successors and assigns and any subsequent owner of the Mortgaged Property.

**[Remainder of Page Intentionally Left Blank]**

IN WITNESS WHEREOF, Assignor has executed this Assignment the day and year first above written.

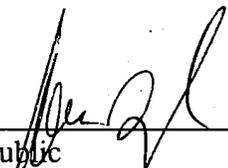
**RN REALTY, L.L.C.**

By: 

Name: Neal Schwartz  
Title: Managing Member

STATE OF NEW YORK            )  
  ) ss.:  
COUNTY OF NEW YORK        )

On the 28th day of October in the year 2010, before me, the undersigned, a Notary Public in and for said State, personally appeared Neal Schwartz, Managing Member of RN Realty, L.L.C., personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

  
Notary Public

RONALD W. BEIGEL  
Notary Public, State of New York  
No. 01BE4861461  
Qualified in Nassau County  
Commission Expires June 9, 2014



## SCHEDULE A

### Description

The Land referred to in this policy is described as follows:

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Manhattan, County, City and State of New York, bounded and described as follows:

**BEGINNING** at a point on the southerly side of West 28th Street distant 325 feet westerly from the corner formed by the intersection of the southerly side of West 28th Street and the westerly side of 10th Avenue;

**RUNNING THENCE** southerly and parallel with the westerly side of 10th Avenue 197 feet 6 inches to the northerly side of West 27th Street;

**THENCE** westerly along the northerly side of West 27th Street 95 feet to a point;

**THENCE** northerly and parallel with the westerly side of 10th Avenue 98 feet 9 inches to the center line of the block;

**THENCE** westerly along the center line of the block 5 feet;

**THENCE** northerly and parallel with the westerly side of 10th Avenue 98 feet 9 inches to the southerly side of West 28th Street;

**THENCE** easterly along the southerly side of West 28th Street 100 feet to the point or place of **BEGINNING**.

**BLOCK: 699**

**LOT: 49**

EXHIBIT "A"

**SCHEDULE OF MORTGAGES**

1. Original named mortgagor: RN Realty, L.L.C.  
Original named mortgagee: Sterling Real Estate Holding Company, Inc.  
Dated: January 15, 1998  
Original principal amount: \$2,000,000.00  
Recorded in the office of: New York City Register, New York County  
Recording date: July 7, 1998  
Reel: 2611  
Page: 437 *Mtge Tax Pd \$55,000.00*

Which mortgage was assigned by assignment of mortgage by Sterling Real Estate Holding Company, Inc. to Century Business Credit Corporation by assignment dated June 21, 1999, recorded on August 20, 1999 with the New York City Register, New York County in Reel: 2939, Page 1088.

Which mortgage was thereafter assigned by Wells Fargo Century, Inc. successor by merger to Century Business Credit Corporation to First Central Savings Bank by assignment dated November 12, 2004 and recorded with the New York City Register, New York County on January 24, 2005 in CRFN 2005000042152.

2. Original named mortgagor: RN Realty, L.L.C.  
Original named mortgagee: First Central Savings Bank  
Dated: November 12, 2004  
Original principal amount \$1,016,221.16  
Recorded in the office of : New York City Register, New York County  
Recording date: January 24, 2005  
CRFN #: 2005000042151 *Mtge Tax Paid \$ 27,945.50*

Which mortgages 1 and 2 were thereafter consolidated modified and extended by Consolidation, Modification and Extension Agreement dated November 12, 2004 between RN Realty, L.L.C. and First Central Savings Bank and recorded with the New York City Register, New York County on January 24, 2005 in CRFN # 2005000042153 forming a single first lien in the sum of \$2,500,000.00.

Which mortgages, as consolidated, were thereafter assigned by First Central Savings Bank to 11<sup>th</sup> Avenue Properties LLC by Assignment of Mortgage dated as of the date hereof and intended to be recorded in the Register's Office. *DOC # 2010110300224001*

3. Mortgage and Security Agreement (the "Mortgage") made by RN Realty, L.L.C. to Madison Realty Capital, L.P. in the principal sum of \$4,000,000.00 dated as of February 5, 2008 and recorded on March 10, 2008 as CRFN: 2008000096444 in the Office of the City Register, County and State of New York (the "Register's Office"); and

*mtge* *Mtge Tax Paid \$ 112,000.00*

and recorded on March 10, 2008 as CRFN: 2008000096444 in the Office of the City Register, County and State of New York (the "Register's Office"); and

Which above Mortgage was collaterally assigned by a Collateral Assignment of Note and Mortgage made by Madison Realty Capital, L.P., to CapitalSource Finance LLC dated as of July 14, 2008 and recorded on August 6, 2008 as CRFN: 2008000313845 in said Register's Office;

Which above Mortgage was further assigned by a Collateral Reassignment of Note and Mortgage made by CapitalSource Finance LLC to Madison Realty Capital, L.P. dated as of October 19, 2010 and is intended to be immediately recorded in said Register's Office;

*DOC # 2010110300224002*

Which mortgages, as consolidated, were thereafter assigned by Madison Realty Capital, L.P. to 11<sup>th</sup> Avenue Properties LLC by Assignment of Mortgage dated as of the date hereof and intended to be recorded in said Register's Office.

*DOC # 2010110300224003*

**The present outstanding unpaid principal balance of the mortgages is \$6,022,271.40**

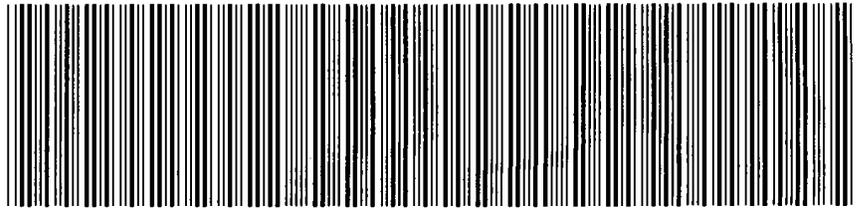
4. Mortgage dated the date hereof in the principal amount of \$477,728.60 made by RN Realty, L.L.C. to the order of 11<sup>th</sup> Avenue Properties LLC and intended to be recorded in said Register's Office.

*DOC # 2010110300224004*

*mortgage Tax Pd \$9792.85*

**Said Mortgages 1, 2, 3, and 4 are hereby consolidated to form a single lien in the principal amount of \$6,500,000.00.**

NYC DEPARTMENT OF FINANCE  
OFFICE OF THE CITY REGISTER



2010110300224006001SDB9F

**SUPPORTING DOCUMENT COVER PAGE**

**PAGE 1 OF 1**

**Document ID: 2010110300224006**

Document Date: 10-28-2010

Preparation Date: 11-04-2010

Document Type: ASSIGNMENT OF LEASES AND RENTS

**SUPPORTING DOCUMENTS SUBMITTED:**

Page Count

255 MORTGAGE TAX EXEMPT AFFIDAVIT

3



## SCHEDULE A

### SCHEDULE OF MORTGAGES

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Recording date: January 24, 2005  
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Which above Mortgage was further assigned by a Collateral Reassignment of Note and Mortgage made by CapitalSource Finance LLC to Madison Realty Capital, L.P. dated as of October 19, 2010 and is intended to be immediately recorded in said Register's Office;

*DOC # 2010110300224002*

Which mortgages, as consolidated, were thereafter assigned by Madison Realty Capital, L.P. to 11<sup>th</sup> Avenue Properties LLC by Assignment of Mortgage dated as of the date hereof and intended to be recorded in said Register's Office.

*DOC # 2010110300224003*

**The present outstanding unpaid principal balance of the mortgages is \$6,022,271.40**

4. Mortgage dated the date hereof in the principal amount of \$477,728.60 made by RN Realty, L.L.C. to the order of 11<sup>th</sup> Avenue Properties LLC and intended to be recorded in said Register's Office.

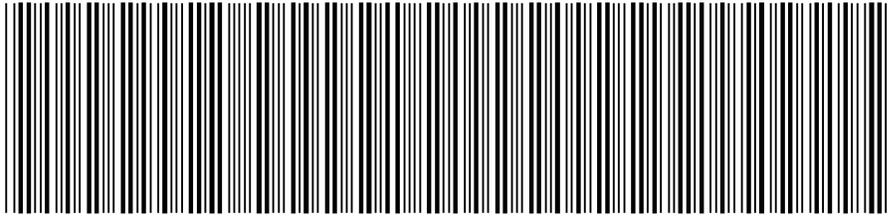
*DOC # 2010110300224004*

*Mtge Tax Pd \$9792.85*

**Said Mortgages 1, 2, 3, and 4 are hereby consolidated to form a single lien in the principal amount of \$6,500,000.00.**

**NYC DEPARTMENT OF FINANCE  
OFFICE OF THE CITY REGISTER**

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.



2008030400602002001EA2A9

**RECORDING AND ENDORSEMENT COVER PAGE**

**PAGE 1 OF 11**

**Document ID: 2008030400602002** Document Date: 02-05-2008 Preparation Date: 03-04-2008  
Document Type: ASSIGNMENT OF LEASES AND RENTS  
Document Page Count: 10

<p><b>PRESENTER:</b> KENSINGTON ABSTRACT LLC AS AGENT FOR FIRST AMERICAN TITLE INSURANCE 276 FIFTH AVE SUITE 602 MAD-F-49658-NY-K NEW YORK, NY 10001 212-561-6425 barry@kensingtontitle.com</p>	<p><b>RETURN TO:</b> KENSINGTON ABSTRACT LLC AS AGENT FOR FIRST AMERICAN TITLE INSURANCE 276 FIFTH AVE SUITE 602 MAD-F-49658-NY-K NEW YORK, NY 10001 212-561-6425</p>
---	---

**PROPERTY DATA**

<b>Borough</b>	<b>Block</b>	<b>Lot</b>	<b>Unit</b>	<b>Address</b>
MANHATTAN	699	49	Entire Lot	530 WEST 28TH STREET
<b>Property Type: COMMERCIAL REAL ESTATE</b>				

**CROSS REFERENCE DATA**

**Document ID: 2008030400602001**

**PARTIES**

<p><b>ASSIGNOR:</b> RN REALTY, L.L.C. 15 DELL DRIVE EAST ROCKAWAY, NY 11518</p>	<p><b>ASSIGNEE:</b> MADISON REALTY CAPITAL, L.P. 825 THIRD AVENUE, 37TH FLOOR NEW YORK, NY 10022</p>
---	--

**FEES AND TAXES**

<b>Mortgage</b>			Filing Fee:	\$	0.00
Mortgage Amount:	\$	4,000,000.00			
Taxable Mortgage Amount:	\$	0.00	NYC Real Property Transfer Tax:	\$	0.00
Exemption:		255			
TAXES: County (Basic):	\$	0.00	NYS Real Estate Transfer Tax:	\$	0.00
City (Additional):	\$	0.00			
Spec (Additional):	\$	0.00			
TASF:	\$	0.00			
MTA:	\$	0.00			
NYCTA:	\$	0.00			
Additional MRT:	\$	0.00			
<b>TOTAL:</b>	<b>\$</b>	<b>0.00</b>			
Recording Fee:	\$	87.00			
Affidavit Fee:	\$	8.00			



**RECORDED OR FILED IN THE OFFICE  
OF THE CITY REGISTER OF THE  
CITY OF NEW YORK**

Recorded/Filed 03-10-2008 11:37  
City Register File No.(CRFN):  
**2008000096445**

*Annette McMill*

*City Register Official Signature*

**RN REALTY, L.L.C.**

(Assignor)

To

**MADISON REALTY CAPITAL, L.P.**

(Assignee)

---

**ASSIGNMENT OF LEASES AND RENTS**

---

Dated: as of February 5, 2008  
Premises: 530 West 28th Street, New  
York, New York 10001  
Block: 699  
Lot: 49  
County: New York

**RECORD AND RETURN TO:**

Madison Realty Capital, L.P.  
825 Third Avenue, 37th Floor  
New York, New York 10022  
Attention: Julie Breslin

File No.: 50260-9116  
Title No.: MAD-L-49658-NY-NY  
Title Co.: Kensington National Land  
Services as agent for First  
American Title Insurance  
Company of New York

**THIS ASSIGNMENT OF LEASES AND RENTS** (the "**Assignment**") is made as of the 5th day of February, 2008, by **RN REALTY, L.L.C.**, a New York limited liability company, having an address at 15 Dell Drive, East Rockaway, New York 11518 (being referred to herein as the "**Assignor**"), to **MADISON REALTY CAPITAL, L.P.**, a Delaware limited partnership, its successors and/or assigns, as their interests may appear, having offices at 825 Third Avenue, 37th Floor, New York, New York 10022 (the "**Assignee**").

**WITNESSETH:**

**THAT** Assignor, for good and valuable consideration, receipt whereof is hereby acknowledged, hereby grants, transfers and assigns to Assignee the entire lessor's interest in and to all leases and other agreements affecting the use, enjoyment, or occupancy of all or any part of that certain lot or piece of land, more particularly described in Schedule "A" annexed hereto and made a part hereof (the "**Premises**"), together with the buildings, structures, fixtures, additions, enlargements, extensions, modifications, repairs, replacements and improvements now or hereafter located thereon (hereinafter collectively referred to as the "**Mortgaged Property**");

**TOGETHER WITH** all other leases and other agreements affecting the use, enjoyment or occupancy of the Mortgaged Property now or hereafter made affecting the Mortgaged Property or any portion thereof, together with any extension or renewal of the same, this Assignment of other present and future leases and present and future agreements being effective without further or supplemental assignment (the leases and other agreements described above together with all other present and future leases and present and future agreements and any extension or renewal of the same are hereinafter collectively referred to as the "**Leases**");

**TOGETHER WITH** all rents, income, issues and profits arising from the Leases and renewals thereof and together with all rents, income, issues and profits (including all oil and gas or other mineral royalties and bonuses) from the use, enjoyment and occupancy of the Mortgaged Property (hereinafter collectively referred to as the "**Rents**").

**THIS ASSIGNMENT** is made for the purposes of securing:

A. The payment of the principal sum, interest and all other sums (hereinafter collectively referred to as the "**Debt**") secured by, inter alia, that certain mortgage as granted by Mortgage and Security Agreement of even date herewith in the principal amount of \$4,000,000.00 by Assignor as mortgagor and Assignee as mortgagee covering the Premises (hereinafter referred to as the "**Mortgage**") and evidenced by that certain mortgage note as granted of even date herewith in the principal amount of \$4,000,000.00 made by Assignor as maker and Assignee as payee (hereinafter collectively referred to as the "**Note**").

B. The performance and discharge of each and every obligation, covenant and agreement of Assignor contained herein, in the Mortgage, in the Note and in all and any of the documents other than this Assignment, the Note or the Mortgage now or hereafter executed by Assignor and/or others and by or in favor of Assignee which wholly or partially secure or guarantee payment of the Debt (hereinafter collectively referred to as the "**Other Security Documents**").

**ASSIGNOR WARRANTS** that (i) Assignor is the sole owner of the entire lessor's interest in the Leases; (ii) the Leases are valid and enforceable and have not been altered, modified or amended in any manner whatsoever except as herein set forth; (iii) none of the Rents reserved in the Leases have been assigned or otherwise pledged or hypothecated; (iv) none of the Rents have been collected for more than one (1) month in advance, except that, Assignee acknowledges that pursuant to that certain lease between Assignor and 530 W. 28th Street, L.P. dated January 22, 2002, as amended ("**530 W. 28th Street Lease**"), Assignor is currently holding the Fixed Rent (as such term is defined in the 530 W. 28th Street Lease) for the last five (5) months of the Lease Term (as such term is defined in the 530 W. 28th Street Lease); (v) Assignor has full power and authority to execute and deliver this Assignment and the execution and delivery of this Assignment has been duly authorized and does not conflict with or constitute a default under any law, judicial order or other agreement affecting Assignor or the Mortgaged Property; (vi) the premises demised under the Leases have been completed and the tenants under the Leases have accepted the same and have taken possession of the same on a rent-paying basis; and (vii) there exist no offsets or defenses to the payment of any portion of the Rents.

**ASSIGNOR COVENANTS** with Assignee that Assignor (a) shall observe and perform all the obligations imposed upon the lessor under the Leases and shall not do or permit to be done anything to impair the value of the Leases as security for the Debt; (b) shall promptly send copies to Assignee of all notices of default which Assignor shall send or receive thereunder; (c) shall enforce all of the terms, covenants and conditions contained in the Leases upon the part of the lessees thereunder to be observed or performed, short of termination thereof; (d) shall not collect any of the Rents more than one (1) month in advance; (e) shall not execute any other assignment of lessor's interest in the Leases or the Rents; (f) shall not alter, modify or change the terms of the Leases without the prior written consent of Assignee, or cancel or terminate the Leases or accept a surrender thereof or convey or transfer or suffer or permit a conveyance or transfer of the Mortgaged Property or of any interest therein so as to effect a merger of the estates and rights of, or a termination or diminution of the obligations of, lessees thereunder, provided, however, Assignee shall consent to all new proposed Leases and modifications of existing Leases, if Assignor provides Assignee, an amount sufficient to be determined by Assignee, to be held by Assignee for the payment of Monthly Payments (as such term is defined in the Note) due under the Note; (g) shall not alter, modify or change the terms of any guaranty of any of the Leases or cancel or terminate any such guaranty without the prior written consent of Assignee; (h) shall execute and deliver at the request of Assignee all such further assurances, confirmations and assignments in connection with the Mortgaged Property as Assignee shall from time to time require; and (i) shall not enter into any new lease of the Mortgaged Property without the prior written consent of Assignee.

**ASSIGNOR FURTHER COVENANTS** with Assignee that (A) all Leases shall be written on the standard form of lease which standard form lease shall be submitted to Assignee for approval; (B) upon request, Assignor shall furnish Assignee with executed copies of all Leases; (C) no material changes may be made to the Assignee-approved standard lease without the prior written consent of Assignee; (D) in addition, all renewals of Leases and all proposed Leases shall provide for rental rates comparable to existing local market rates, which, in the case of residential Leases, shall not be in excess of the local registered rent for the apartment to which the Lease relates, and shall be arms-length transactions; (E) all Leases shall provide that they are subordinate to the Mortgage and that the lessees agree to attorn to Assignee,

and (F) that, in the case of residential Leases, Assignor will comply with all requirements to register such Leases with the Division of Housing and Community Renewal or other applicable municipal agency.

**THIS ASSIGNMENT** is made on the following terms, covenants and conditions:

1. **Present Assignment.** Assignee is hereby granted and assigned by Assignor the right to enter the Mortgaged Property for the purpose of enforcing its interest in the Leases and the Rents, this Assignment constituting a present, absolute assignment of the Leases and Rents. Nevertheless, subject to the terms of this paragraph 1, Assignee grants to Assignor a revocable license to operate and manage the Mortgaged Property and to collect the Rents. Assignor shall hold the Rents, or a portion thereof sufficient to discharge all current sums due on the Debt, for use in the payment of such sums. Upon or at any time after an Event of Default (as defined in the Mortgage), the license granted to Assignor herein may be revoked by Assignee.

2. **Remedies of Assignee.** Upon or at any time after an Event of Default, Assignee may, at its option, without waiving such Event of Default, without notice and without regard to the adequacy of the security for the Debt, either in person or by agent, with or without bringing any action or proceeding, or by a receiver appointed by a court, revoke the license granted in paragraph 1 of this Assignment and take possession of the Mortgaged Property and have, hold, manage, lease and operate the Mortgaged Property on such terms and for such period of time as Assignee may deem proper and either with or without taking possession of the Mortgaged Property in its own name, demand, sue for and otherwise collect and receive all Rents, including those past due and unpaid with full power to make from time to time all alterations, renovations, repairs or replacements thereto or thereof as may seem proper to Assignee and may apply the Rents to the payment of the following in such order and proportion as Assignee in its sole discretion may determine, any law, custom or use to the contrary notwithstanding: (a) all expenses of managing and securing the Mortgaged Property, including, without being limited thereto, the salaries, fees and wages of a managing agent and such other employees or agents as Assignee may deem necessary or desirable and all expenses of operating and maintaining the Mortgaged Property, including, without being limited thereto, all taxes, charges, claims, assessments, water charges, sewer rents and any other liens, and premiums for all insurance which Assignee may deem necessary or desirable, and the cost of all alterations, renovations, repairs or replacements, and all expenses incident to taking and retaining possession of the Mortgaged Property; and (b) the Debt, together with all costs and attorneys' fees. In addition to the rights which Assignee may have herein, upon the occurrence of an Event of Default, Assignee, at its option, may either require Assignor to pay monthly in advance to Assignee, or any receiver appointed to collect the Rents, the fair and reasonable rental value for the use and occupation of such part of the Mortgaged Property as may be in possession of Assignor or may require Assignor to vacate and surrender possession of the Mortgaged Property to Assignee or to such receiver and, in default thereof, Assignor may be evicted by summary proceedings or otherwise. For purposes of this paragraph 2, Assignor grants to Assignee its irrevocable power of attorney, coupled with an interest, to take any and all of the aforementioned actions and any or all other actions designated by Assignee for the proper management and preservation of the Mortgaged Property. The exercise by Assignee of the option granted it in this paragraph 2 and the collection of the Rents and the application thereof as herein provided shall

not be considered a waiver of any default by Assignor under the Note, the Mortgage, the Leases, this Assignment or the Other Security Documents.

3. **No Liability of Assignee.** Assignee shall not be liable for any loss sustained by Assignor resulting from Assignee's failure to let the Mortgaged Property after an Event of Default or from any other act or omission of Assignee in managing the Mortgaged Property after default unless such loss is caused by the willful misconduct and bad faith of Assignee. Assignee shall not be obligated to perform or discharge any obligation, duty or liability under the Leases or under or by reason of this Assignment and Assignor shall, and hereby agrees, to indemnify Assignee for, and to hold Assignee harmless from, any and all liability, loss or damage which may or might be incurred under the Leases or under or by reason of this Assignment and from any and all claims and demands whatsoever, including the defense of any such claims or demands which may be asserted against Assignee by reason of any alleged obligations and undertakings on its part to perform or discharge any of the terms, covenants or agreements contained in the Leases. Should Assignee incur any such liability, the amount thereof, including costs, expenses and reasonable attorneys' fees, shall be secured hereby and by the Mortgage and the Other Security Documents and Assignor shall reimburse Assignee therefor immediately upon demand and upon the failure of Assignor so to do Assignee may, at its option, declare all sums secured hereby and the Mortgage and the Other Security Documents immediately due and payable. This Assignment shall not operate to place any obligation or liability for the control, care, management or repair of the Mortgaged Property upon Assignee, nor for the carrying out of any of the terms and conditions of the Leases; nor shall it operate to make Assignee responsible or liable for any waste committed on the Mortgaged Property by the tenants or any other parties, or for any dangerous or defective condition of the Mortgaged Property, including without limitation the presence of any Hazardous Materials (as defined in the Mortgage), or for any negligence in the management, upkeep, repair or control of the Mortgaged Property resulting in loss or injury or death to any tenant, licensee, employee or stranger.

4. **Notice to Lessees.** Assignor hereby authorizes and directs the lessees named in the Leases or any other or future lessees or occupants of the Mortgaged Property upon receipt from Assignee of written notice to the effect that Assignee is then the holder of the Mortgage and that a default exists thereunder or under this Assignment, the Note or the Other Security Documents to pay over to Assignee all Rents and to continue so to do until otherwise notified by Assignee.

5. **Other Security.** Assignee may take or release other security for the payment of the Debt, may release any party primarily or secondarily liable therefor and may apply any other security held by it to the reduction or satisfaction of the Debt without prejudice to any of its rights under this Assignment.

6. **Other Remedies.** Nothing contained in this Assignment and no act done or omitted by Assignee pursuant to the power and rights granted to Assignee hereunder shall be deemed to be a waiver by Assignee of its rights and remedies under the Note, the Mortgage, or the Other Security Documents and this Assignment is made and accepted without prejudice to any of the rights and remedies possessed by Assignee under the terms thereof. The right of Assignee to collect the Debt and to enforce any other security therefor held by it may be

exercised by Assignee either prior to, simultaneously with, or subsequent to any action taken by it hereunder.

7. **No Mortgagee in Possession.** Nothing contained in this Assignment shall be construed as constituting Assignee a "mortgagee in possession" in the absence of the taking of actual possession of the Mortgaged Property by Assignee. In the exercise of the powers herein granted Assignee, no liability shall be asserted or enforced against Assignee, all such liability being expressly waived and released by Assignor.

8. **Conflict of Terms.** In case of any conflict between the terms of this Assignment and the terms of the Mortgage, the terms of the Mortgage shall prevail.

9. **No Oral Change.** This Assignment and any provisions hereof may not be modified, amended, waived, extended, changed, discharged or terminated orally, or by any act or failure to act on the part of Assignor or Assignee, but only by an agreement in writing signed by the party against whom the enforcement of any modification, amendment, waiver, extension, change, discharge or termination is sought.

10. **Certain Definitions.** Unless the context clearly indicates a contrary intent or unless otherwise specifically provided herein, words used in this Assignment may be used interchangeably in singular or plural form and the word "Assignor" shall mean "each Assignor and any subsequent owner or owners of the Mortgaged Property or any part thereof or any interest therein," the word "Assignee" shall mean "Assignee and any subsequent holder of the Note," the word "Note" shall mean "the Note and any other evidence of indebtedness secured by the Mortgage," the word "person" shall include an individual, corporation, partnership, limited liability company, trust, unincorporated association, government, governmental authority, and any other entity, the words "Mortgaged Property" shall include any portion of the Mortgaged Property and any interest therein, and the word "Debt" shall mean the principal balance of the Note with interest thereon as provided in the Note and the Mortgage and all other sums due pursuant to the Note, the Mortgage, this Assignment and the Other Security Documents; whenever the context may require, any pronouns used herein shall include the corresponding masculine, feminine or neuter forms, and the singular form of nouns and pronouns shall include the plural and vice versa.

11. **Non-Waiver.** The failure of Assignee to insist upon strict performance of any term hereof shall not be deemed to be a waiver of any term of this Assignment. Assignor shall not be relieved of Assignor's obligations hereunder by reason of (i) failure of Assignee to comply with any request of Assignor or any other party to take any action to enforce any of the provisions hereof or of the Mortgage, the Note or the Other Security Documents, (ii) the release regardless of consideration, of the whole or any part of the Mortgaged Property, or (iii) any agreement or stipulation by Assignee extending the time of payment or otherwise modifying or supplementing the terms of this Assignment, the Note, the Mortgage or the Other Security Documents. Assignee may resort for the payment of the Debt to any other security held by Assignee in such order and manner as Assignee, in its discretion, may elect. Assignee may take any action to recover the Debt, or any portion thereof, or to enforce any covenant hereof without prejudice to the right of Assignee thereafter to enforce its rights under this Assignment. The rights of Assignee under this Assignment shall be separate, distinct and cumulative and none

shall be given effect to the exclusion of the others. No act of Assignee shall be construed as an election to proceed under any one provision herein to the exclusion of any other provision.

12. **Applicable Provisions.** If any term, covenant or condition of this Assignment is held to be invalid, illegal or unenforceable in any respect, this Assignment shall be construed without such provision.

13. **Duplicate Original.** This Assignment may be executed in any number of duplicate originals and each such duplicate original shall be deemed to be an original.

14. **Governing Law.** THIS ASSIGNMENT, THE NOTE, THE MORTGAGE AND EACH OF THE OTHER SECURITY DOCUMENTS SHALL IN ALL RESPECTS BE GOVERNED, CONSTRUED, APPLIED AND ENFORCED IN ACCORDANCE WITH THE INTERNAL LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO PRINCIPLES OF CONFLICTS OF LAW.

15. **Termination of Assignment.** Upon payment in full of the Debt, this Assignment shall become and be void and of no effect.

16. **Subordination.** This Assignment is subject and subordinate only to that certain Assignment of Leases and Rents dated November 12, 2004 and recorded on January 24, 2005 as CRFN 2005000042155 in the Office of the City Register of the City of New York.

17. **Joint and Several Obligations.** Notwithstanding anything to the contrary, if the Assignor consists of more than one (1) person or entity, the representations, warranties, covenants and agreements made by Assignor herein and/or in any of the Other Security Documents, and the liability of the Assignor hereunder or thereunder, is joint and several.

18. **Consent to Jurisdiction.** FOR ANY CLAIM, ACTION, OR DISPUTE ARISING UNDER, OR TO INTERPRET OR APPLY, THIS ASSIGNMENT, THE NOTE, THE MORTGAGE OR ANY OTHER SECURITY DOCUMENTS, OR TO RESOLVE ANY DISPUTE ARISING UNDER THE FOREGOING OR THE RELATIONSHIP BETWEEN THE PARTIES, ASSIGNOR IRREVOCABLY SUBMITS TO THE NONEXCLUSIVE JURISDICTION OF THE COURTS OF THE STATE OF NEW YORK AND THE UNITED STATES DISTRICT COURT LOCATED IN THE BOROUGH OF MANHATTAN IN NEW YORK CITY, NEW YORK, AND APPELLATE COURTS FROM ANY OF SUCH COURTS. ASSIGNOR IRREVOCABLY WAIVES ANY OBJECTION THAT IT MAY HAVE AT ANY TIME TO VENUE OF ANY SUCH SUIT, ACTION, OR PROCEEDING BROUGHT IN ANY SUCH COURT, INCLUDING ANY CLAIM THAT ANY SUCH SUIT, ACTION, OR PROCEEDING SO BROUGHT HAS BEEN BROUGHT IN AN INCONVENIENT FORUM. NOTHING IN THIS ASSIGNMENT, THE NOTE, THE MORTGAGE OR ANY OTHER SECURITY DOCUMENTS SHALL BE DEEMED TO PRECLUDE ASSIGNEE FROM BRINGING ANY SUIT, ACTION, OR PROCEEDING RELATING TO THIS ASSIGNMENT, THE NOTE, THE MORTGAGE, ANY OTHER SECURITY DOCUMENTS OR THE DEBT (AS SUCH TERM IS DEFINED IN THE NOTE) IN ANY OTHER JURISDICTION WHERE ASSIGNEE COULD OTHERWISE PROPERLY BRING SUCH SUIT, ACTION, OR

PROCEEDING. ASSIGNOR FURTHER CONSENTS AND AGREES TO SERVICE OF ANY SUMMONS, COMPLAINT OR OTHER LEGAL PROCESS IN ANY SUCH SUIT, ACTION OR PROCEEDING BY REGISTERED OR CERTIFIED U.S. MAIL, POSTAGE PREPAID, TO ASSIGNOR AT THE ADDRESS SET FORTH ON PAGE 1 HEREOF, AND CONSENTS AND AGREES THAT SUCH SERVICE SHALL CONSTITUTE IN EVERY RESPECT VALID AND EFFECTIVE SERVICE (BUT NOTHING HEREIN SHALL AFFECT THE VALIDITY OR EFFECTIVENESS OF PROCESS SERVED IN ANY OTHER MANNER PERMITTED BY LAW).

**THIS ASSIGNMENT**, together with the covenants and warranties therein contained, shall inure to the benefit of Assignee and any subsequent holder of the Mortgage and shall be binding upon Assignor, his heirs, executors, administrators, successors and assigns and any subsequent owner of the Mortgaged Property.

**[Remainder of Page Intentionally Left Blank]**

## SCHEDULE A

### METES AND BOUNDS DESCRIPTION OF PROPERTY

The Land referred to in this policy is described as follows:

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Manhattan, County, City and State of New York, bounded and described as follows:

**BEGINNING** at a point on the southerly side of West 28th Street distant 325 feet westerly from the corner formed by the intersection of the southerly side of West 28th Street and the westerly side of 10th Avenue;

**RUNNING THENCE** southerly and parallel with the westerly side of 10th Avenue 197 feet 6 inches to the northerly side of West 27th Street;

**THENCE** westerly along the northerly side of West 27th Street 95 feet to a point;

**THENCE** northerly and parallel with the westerly side of 10th Avenue 98 feet 9 inches to the center line of the block;

**THENCE** westerly along the center line of the block 5 feet;

**THENCE** northerly and parallel with the westerly side of 10th Avenue 98 feet 9 inches to the southerly side of West 28th Street;

**THENCE** easterly along the southerly side of West 28th Street 100 feet to the point or place of **BEGINNING**.

**BLOCK: 699**

**LOT: 49**

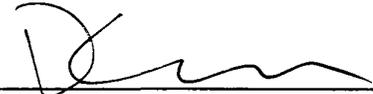
IN WITNESS WHEREOF, Assignor has executed this Assignment the day and year first above written.

RN REALTY, L.L.C.

By:   
Name: Neal Schwartz  
Title: Managing Member

STATE OF NEW YORK            )  
  ) ss.:  
COUNTY OF NEW YORK        )

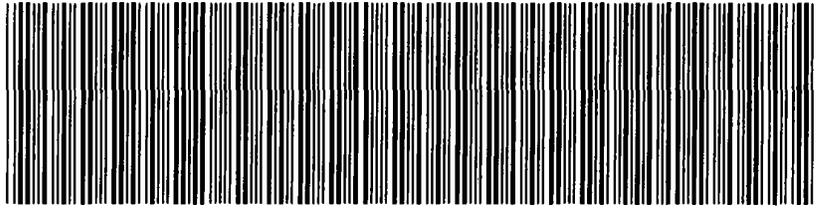
On the 4<sup>th</sup> day of February, 2008, before me, the undersigned, a Notary Public in and for said State, personally appeared Neal Schwartz, Managing Member of RN Realty, L.L.C., personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

  
Notary Public

**DARREN S. WAINER**  
Notary Public, State Of New York  
No.01WA6091601  
Qualified In Nassau County  
Commission Expires April 28, 2011

**SEAL**

**NYC DEPARTMENT OF FINANCE  
OFFICE OF THE CITY REGISTER**



**2008030400602002001S6C28**

**SUPPORTING DOCUMENT COVER PAGE**

**PAGE 1 OF 1**

**Document ID: 2008030400602002**

**Document Date: 02-05-2008**

**Preparation Date: 03-04-2008**

**Document Type: ASSIGNMENT OF LEASES AND RENTS**

**SUPPORTING DOCUMENTS SUBMITTED:**

255 MORTGAGE TAX EXEMPT AFFIDAVIT

**Page Count**

1

**AFFIDAVIT UNDER SECTION 255  
OF ARTICLE II OF THE TAX  
LAW OF THE STATE OF NEW YORK**

**(Assignment of Leases and Rents)**

STATE OF NEW YORK            )  
  )    ss.:  
COUNTY OF NEW YORK        )

Neal Schwartz (hereinafter, the "Deponent") being duly sworn, deposes and says:

He is the Managing Member of RN Realty, L.L.C. (hereinafter, the "Owner").

The Owner is, the holder of a fee interest in the premises commonly known as 530 West 28th Street, New York, New York 10001 (the "Premises") more particularly described in a Mortgage and Security Agreement (the "Mortgage") of even date herewith, and the undersigned is fully familiar with the facts and circumstances herein.

That all mortgage tax on the Mortgage <sup>in the amount of \$ 112,000.00</sup> was duly paid upon the recordation thereof.

That there is offered for recording simultaneously herewith an Assignment of Leases and Rents. That the said Assignment of Leases and Rents offered for recording does not create or secure any new or further indebtedness or obligation other than the principal indebtedness or obligation secured by, or which under any contingency may be secured by the Mortgage.

**WHEREFORE**, your deponent respectfully requests that said Assignment of Leases and Rents be declared exempt from taxation pursuant to the provisions of Section 255 of Article II of the Tax Law of the State of New York.

  
\_\_\_\_\_  
Neal Schwartz, Managing Member

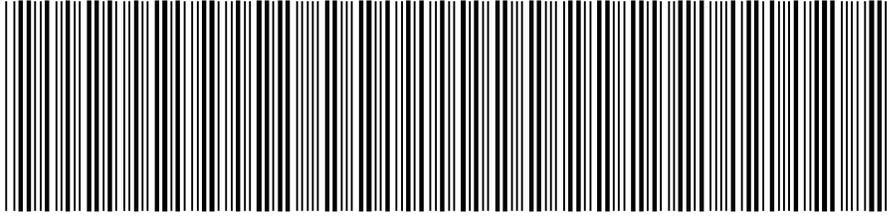
Sworn to before me this 4<sup>th</sup> day of February, 2008

  
\_\_\_\_\_  
NOTARY PUBLIC

DARREN S. WAINER  
Notary Public, State Of New York  
No.01WA6091601  
Qualified In Nassau County  
Commission Expires April 28, 20 11

**NYC DEPARTMENT OF FINANCE  
OFFICE OF THE CITY REGISTER**

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2010110300224007001ED523

**RECORDING AND ENDORSEMENT COVER PAGE**

**PAGE 1 OF 3**

**Document ID: 2010110300224007** Document Date: 10-26-2010 Preparation Date: 11-04-2010  
Document Type: TERMINATION OF ASSIGN OF L&R  
Document Page Count: 2

<p><b>PRESENTER:</b> KENSINGTON VANGUARD NATIONAL LAND 39 WEST 37TH STREET, SEVENTH FLOOR HOLD FOR PICKUP / SEARCH NY NEW YORK, NY 10018 212-532-8686 805169 (F-NY-CR-MAD)</p>	<p><b>RETURN TO:</b> DAVID I. KEUSCH, ESQ. KRISS &amp; FEUERSTEIN LLP 360 LEXINGTON AVENUE, SUITE 1200 NEW YORK, NY 10017</p>
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**PROPERTY DATA**

<b>Borough</b>	<b>Block</b>	<b>Lot</b>	<b>Unit</b>	<b>Address</b>
MANHATTAN	699	49	Entire Lot	530 WEST 28TH STREET
<b>Property Type:</b> COMMERCIAL REAL ESTATE				

**CROSS REFERENCE DATA**

**CRFN:** 2005000042155

**PARTIES**

**PARTY ONE:**  
FIRST CENTRAL SAVINGS BANK  
70 GLEN STREET  
GLEN COVE, NY 11542

**FEES AND TAXES**

<b>Mortgage</b>			Filing Fee:	\$	0.00
Mortgage Amount:	\$	0.00		\$	0.00
Taxable Mortgage Amount:	\$	0.00	NYC Real Property Transfer Tax:		
Exemption:				\$	0.00
<b>TAXES:</b> County (Basic):	\$	0.00	NYS Real Estate Transfer Tax:		
City (Additional):	\$	0.00		\$	0.00
Spec (Additional):	\$	0.00			
TASF:	\$	0.00			
MTA:	\$	0.00			
NYCTA:	\$	0.00			
Additional MRT:	\$	0.00			
<b>TOTAL:</b>	\$	0.00			
Recording Fee:	\$	47.00			
Affidavit Fee:	\$	0.00			



**RECORDED OR FILED IN THE OFFICE  
OF THE CITY REGISTER OF THE  
CITY OF NEW YORK**

Recorded/Filed 11-12-2010 12:31  
City Register File No.(CRFN):  
**2010000379372**

*Annette McHill*

*City Register Official Signature*

**TERMINATION OF ASSIGNMENT OF RENTS AND LEASES**

KNOW THAT First Central Savings Bank, a savings bank organized under the laws of the State of New York, with an office at 70 Glen Street, Glen Cove, New York 11542 Lender,

The owner and holder of the following:

Assignment of Rents and Leases dated November 12, 2004, made by RN Realty, L.L.C., as Assignor, to First Central Savings Bank, Assignee, and recorded on January 24, 2005 in the New York City Register, New York County in CRFN No. 2005000042155 covering premises as described therein, and which Assignment of Rents and Leases has not been assigned of record;

in consideration of Ten (\$10.00) Dollars and other good and valuable consideration hereby consents that same is terminated and may be discharged of record.

IN WITNESS WHEREOF, the Lender has duly executed this termination as of the 26<sup>th</sup> day of October, 2010.

FIRST CENTRAL SAVINGS BANK

By: *A.A. Rescigno*  
Name: A. A. Rescigno  
Title: Senior Vice President  
Chief Operating Officer

STATE OF NEW YORK                    )  
  )ss:  
COUNTY OF NASSAU                 )

On the 26 day of October, in the year 2010 before me, the undersigned, personally appeared A. A. Rescigno, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

*Donna M. DeLauro*  
Notary Public  
**DONNA M. DeLAURO**  
Notary Public, State of New York  
Registration #01DE6220604  
Qualified In Nassau County  
Commission Expires April 19, 2014



**TERMINATION OF  
ASSIGNMENT OF RENTS AND LEASES**

By

**FIRST CENTRAL SAVINGS BANK**

Address: 530 West 28th Street, New York, New York 10001  
Block: 699  
Lot: 49  
County: New York  
City: New York

***RECORD AND RETURN BY MAIL TO:***

**David I. Keusch, Esq.  
Kriss & Feuerstein LLP  
360 Lexington Avenue, Suite 1200  
New York, New York 10017  
(212) 661-2900**

CITY REGISTER RECORDING AND ENDORSEMENT PAGE

COUNTY OF New York

THIS PAGE FORMS PART OF THE INSTRUMENT

TOTAL NUMBER OF PAGES IN DOCUMENT INCLUDING THIS PAGE 5

Block <u>699</u>	Lots - ONLY IF ENTIRE LOT <u>49</u>	Partial Lots <u>P/O</u>
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Premises 530 W. 28th ST

NAME Jeffrey Meltzer, Esq.  
Hahn & Hessen LLP

Title/Agent Company Name First American Title

ADDRESS 350 Fifth Avenue

Title Company Number 804004NY

CITY New York STATE NY ZIP 10118

PARTY 1 STERLING Real Estate Holding Co, Inc. 430 Park Ave, NY, NY

PARTY 2 Century Business Credit Corp. 119 W 40th St, 10th Fl, NY, NY

NAME & ADDRESS (vertical label)

CHECK THIS BOX IF THERE ARE MORE THAN 2 OF EITHER PARTY

CITY REGISTER'S USE ONLY - DO NOT WRITE BELOW THIS LINE

Examined by (s): WA

Mtge Tax Serial No. \_\_\_\_\_

Mtge Amount \$ \_\_\_\_\_

Taxable Amount \$ \_\_\_\_\_

Exemption (✓) YES  NO

Type: 338E [288] [OTHER \_\_\_\_\_]

Dwelling Type: [1+2] [3] [4+8] [OVER 8]

TAX RECEIVED ON ABOVE MORTGAGE

County (basic) \$ \_\_\_\_\_

City (Addtl) \$ \_\_\_\_\_

Spec Addtl \$ \_\_\_\_\_

TASF \$ \_\_\_\_\_

MTA \$ \_\_\_\_\_

NYCTA \$ \_\_\_\_\_

TOTAL TAX \$ \_\_\_\_\_

Apportionment Mortgage (✓) YES  NO

City Register Serial Number 012949

Indexed By (s): \_\_\_\_\_ Verified By (s): \_\_\_\_\_

Block(s) and Lot(s) verified by (✓): WA

Address  Tax Map

Extra Block(s) \_\_\_\_\_ Lot(s) \_\_\_\_\_

Recording Fee 6 \$ 42

Affidavit Fee (0) \$ \_\_\_\_\_

RPTT Fee (R) \$ \_\_\_\_\_

HPD-A  HPD-C

New York State Real Estate Transfer Tax \$ \_\_\_\_\_

Serial Number \_\_\_\_\_

New York City Real Property Transfer Tax Serial Number \_\_\_\_\_

OTHER MTGE 0668 42.00

LD/TL CSMS RECPT DATE TIME  
 1-2 1 193936 Mar 22-01 16:02  
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CRGFAMEN.BPG 0400



RECORDED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK

Signature 2007 MAR 22 P 2:07

REEL 3258 PG 122b

804604ny

**ASSIGNMENT OF  
ASSIGNMENT OF LEASES AND RENTS**

STERLING REAL ESTATE HOLDING COMPANY INC., having an office at 430 Park Avenue, New York, New York 10022 ("Assignor") in consideration of Ten and 00/100 (\$10.00) Dollars paid by CENTURY BUSINESS CREDIT CORPORATION, having an office at 119 West 40<sup>th</sup> Street, 10<sup>th</sup> Floor, New York, New York 10018 ("Assignee") hereby assigns unto the Assignee:

Assignment of Leases and Rents from RN Realty, L.L.C., a New York limited liability company to Sterling Real Estate Holding Company, Inc., dated January 16, 1998 and recorded July 7, 1998 in Reel 2611 Page 460 in the office of the City Register of New York County (the "Assignment") covering premises described on Schedule A attached hereto and made a part hereof.

This Assignment is made without representation or warranty of any kind, whether express or implied, and without recourse in any event to Assignor

Dated: February 27, 2001

STERLING REAL ESTATE HOLDING  
COMPANY, INC.

By: 

Name:

John A. Aloisio

Title:

EVP

SO IN  
ORIGINAL

**SCHEDULE "A"**

**ALL** that certain plot, piece or parcel of land, situate, lying and being in the Borough of Manhattan, City, County and State of New York, bounded and described as follows:

**BEGINNING** at a point on the southerly side of West 28th Street, distant 325 feet westerly from the corner formed by the intersection of the southerly side of West 28th Street and the westerly side of 10th Avenue;

**RUNNING THENCE** southerly and parallel with the westerly side of 10th Avenue, 197 feet 6 inches to the northerly side of West 27th Street;

**THENCE** westerly along the northerly side of West 27th Street, 95 feet;

**THENCE** northerly and parallel with the westerly side of 10th Avenue, 98 feet 9 inches to the center line of the block;

**THENCE** westerly along the center line of the block, 5 feet;

**THENCE** northerly and parallel with the westerly side of 10th Avenue, 98 feet 9 inches to the southerly side of West 28th Street;

**THENCE** easterly along the southerly side of 28th Street, 100 feet to the point or place of **BEGINNING**.



3258061229

**ASSIGNMENT OF  
ASSIGNMENT OF LEASES AND RENTS**

**From**

**STERLING REAL ESTATE HOLDING COMPANY, INC.**

**To**

**CENTURY BUSINESS CREDIT CORPORATION**

**Premises: 530 West 28<sup>th</sup> Street  
New York, New York  
Block 699, Lot 49  
New York County**

**Dated: February 27, 2001**

**RECORD AND RETURN TO:**

**Hahn & Hessen LLP  
350 Fifth Avenue  
New York, New York 10118  
Attn: Ralph Miles, Esq.**

**ASSIGNMENT OF LEASES AND RENTS**

THIS ASSIGNMENT made this 15<sup>th</sup> day of January, 1998, by RN REALTY, L.L.C., a New York limited liability company, having an office at 530 West 28th Street, New York, New York 10001 (hereinafter referred to as the "Assignor"), to STERLING REAL ESTATE HOLDING COMPANY INC., having an office at 430 Park Avenue, New York, New York 10022 (hereinafter referred to as the "Assignee");

**WITNESSETH THAT:**

WHEREAS, the Assignor is the owner of the building (the "Building") and premises situated at 530 West 28th Street, County of New York, City and State of New York, and is the landlord under the leases of the Mortgaged Premises (hereinafter defined) (said Building being located on the parcel of ground described in Schedule "A" hereto); and

WHEREAS, the Assignee is the holder of a certain mortgage or mortgages (collectively, the "Mortgage") constituting a first lien upon the Building and the premises upon which it is constructed (said Building and premises being hereinafter referred to as the "Mortgaged Premises"). The term "Mortgage" shall mean the foregoing Mortgage, as the same may be modified, consolidated, renewed or supplemented on which Mortgage there is presently owing the maximum principal sum of \$2,000,000.00, with interest, and any additional mortgages on the Mortgaged Premises hereafter granted by Assignor to Assignee, as the same may be modified, consolidated, renewed or supplemented;

52  
62769

*to be recorded prior herewith*

NOW THEREFORE, in consideration of and as an inducement to the making by the Assignee to the Assignor of the loan secured by the Mortgage, the Assignor does hereby assign, transfer and set over to the Assignee all the right, title and interest of the Assignor in, under and by virtue of all leases, and any subleases thereunder, of the Mortgaged Premises existing on the date hereof and any and all such other or further leases, or subleases hereafter existing, of space in or at the Mortgaged Premises (hereinafter collectively referred to as the "Assigned Leases", which term shall be deemed to include all such leases and subleases and all extensions or renewals thereof) including specifically, but not by way of limitation, all the right, power and privilege of the Assignor to cancel, terminate or accept the surrender of any Assigned Leases, except as provided in paragraph 10 hereof, to accept prepayment of more than one periodic installment of rent thereunder, or to modify or abridge any of the terms, covenants and conditions of any such Assigned Lease so as to reduce the term thereof or the rental payable thereunder (other than charges for electricity) or to change any renewal privilege therein contained without the prior written consent of the Assignee, together with all of the rents, issues and profits which may be or become due, or to which the Assignor may now or hereafter become entitled, arising out of the Assigned Leases, or from or out of the Mortgaged Premises or any part thereof.

TO HAVE AND TO HOLD the same unto the Assignee, its successors and assigns, until such time as the indebtedness secured by the Mortgage shall have been paid in full. This Assignment is intended by Assignor and Assignee to create, and be construed to create, an absolute assignment to Assignee, subject only to the terms and provisions hereof, and not as an assignment as security for the performance of the obligations secured by the Mortgage, or any other indebtedness of Assignor.

This instrument of assignment is delivered and accepted upon the following terms and conditions:

1. So long as no default shall exist under the Mortgage, or under this Assignment, beyond the expiration of any applicable notice, grace or cure period, the Assignor shall have a revocable license to manage and operate the Mortgaged Premises and to collect, receive and apply for its own account all rents, issues and profits accruing by virtue of such Assigned Leases, and to execute and deliver proper receipts and acquittances therefor.

2. Immediately upon the occurrence of any default under the Mortgage, or under this Assignment, subject to any applicable period of grace or cure, and until such default shall have been cured as hereinafter defined, the license mentioned in the foregoing paragraph "1" hereof shall cease and terminate, and in such event the Assignee is hereby expressly and irrevocably authorized to enter and take possession of the Mortgaged Premises by actual physical possession, or by written notice delivered by hand or sent by recognized overnight courier which provides evidence of receipt, or sent by certified or registered mail to the Assignor, at the address set forth above, as the Assignee may elect, and no further authorization shall be required. Notice shall be deemed given when delivered by hand or one (1) day after delivery to such recognized overnight courier or three (3) days after being posted with the United States Postal Service addressed as aforesaid. During the continuance of any default, the Assignee shall have the right power and authority, without the obligation, subject to applicable law, with or without entry and the taking of possession to do any of the following:

- (a) manage and operate the Mortgaged Premises or any part thereof;
- (b) lease any part or parts thereof for such periods of time, and upon such terms and conditions as the Assignee may, in its discretion, deem proper;
- (c) enforce, cancel or modify any Assigned Lease covering the Mortgaged Premises or any part thereof;
- (d) demand, collect, sue for, attach, levy, recover, receive, compromise and adjust, and make, execute and deliver receipts and releases for all rents, issues and profits that may then be or may thereafter become due, owing or payable with respect to the

Mortgaged Premises or any part thereof from any present or future lessees, tenants, subtenants or occupants thereof;

- (e) institute, prosecute to completion or compromise and settle, all summary proceedings, actions for rent or for removing any and all lessees, tenants, subtenants or occupants of the Mortgaged Premises or any part or parts thereof;
- (f) enforce or enjoin or restrain the violation of any of the terms, provisions and conditions of any Assigned Lease affecting the Mortgaged Premises or any part thereof;
- (g) make such repairs and alterations to the Mortgaged Premises as Assignee may, in its discretion, deem proper;
- (h) pay, from and out of rents, issues and profits collected in respect of the Mortgaged Premises or any part thereof, or from or out of any other funds, the rent and all other charges required to be paid under any ground lease on which the Mortgage may constitute a lien, any taxes, assessments, water rates, sewer rates, or other government charges levied, assessed or imposed against the Mortgaged Premises, or any portion thereof, and also any and all other charges, costs and expenses which it may be necessary or advisable for the Assignee to pay in the management or operation of the Mortgaged Premises, including (without limiting the generality of any rights, powers, privileges and authority hereinbefore or hereinafter conferred) the costs of such repairs and alterations, commissions for renting the Mortgaged Premises or any portions thereof, and legal expenses in enforcing claims, preparing papers or for any other services that may be required; and
- (i) generally do, execute and perform any other act, deed, matter or thing whatsoever that ought to be done, executed and performed in and about or with respect to the Mortgaged Premises, as fully as the Assignor might do.

The Assignee shall have the right, power and authority, without the obligation, to use and apply any rents, issues and profits received hereunder to any or all of the following in any order, in its sole discretion: (a) for the payment of any and all costs and expenses incurred in connection with enforcing or defending the terms of this Assignment or the rights of the Assignee hereunder, and collecting any rents, issues and profits; and (b) for the operation and maintenance of the Mortgaged Premises and the payment of all costs and expenses in connection therewith including, without limitation, the payment of (i) rentals and other charges

payable by Assignor under any ground lease affecting the Mortgaged Premises, (ii) interest, principal or other amounts with respect to any and all loans secured by mortgages on the Mortgaged Premises, including, without limitation, the Mortgage, (iii) taxes, assessments, water charges and sewer rents and other governmental charges levied, assessed or imposed against the Mortgaged Premises, or any part thereof, (iv) insurance premiums, (v) costs and expenses with respect to any litigation affecting the Mortgaged Premises, the Assigned Leases or the rents, issues and profits, (vi) wages and salaries of employees, commissions of agents and reasonable attorneys' fees, and (vii) any amounts due the Assignee under paragraph 4 hereof. After such payment of such costs and expenses and after the Assignee shall have set up such reserves as it, in its sole discretion, shall deem necessary or appropriate for proper operation and management of the Mortgaged Premises, the Assignee shall apply all remaining rents, issues and profits collected and received by it to the reduction of the indebtedness secured by the Mortgage. Exercise or nonexercise by the Assignee of the rights granted in this Assignment, or collection and application of any rents, issues and profits by the Assignee or its agent shall not be a waiver of any default by Assignor under this Assignment, the Mortgage, any note referred to therein or any other document or agreement relating thereto. The Assignee shall be accountable to the Assignor only for monies actually received by the Assignee pursuant to this Assignment.

For the purpose of this paragraph "2", a default shall be deemed to be cured only when the Assignor shall have paid in full all sums owing and past due, and/or shall have performed all other terms, covenants and conditions, failure in the performance of which terminated the license hereinabove mentioned.

3. The Assignor hereby irrevocably directs each lessee under each Assigned Lease, and each lessee under any other lease which shall hereafter become an Assigned Lease, upon demand and notice from the Assignee of the Assignor's default under the Mortgage or under this Assignment to pay the Assignee all rents, issues and profits accruing or due under its Assigned Lease from and after the receipt of such demand and notice. Any lessee making such payment to the Assignee shall be under no obligation to inquire into or determine the actual existence of any such default claimed by the Assignee.

4. The Assignor hereby agrees to indemnify and hold the Assignee harmless against and from any and all liability, loss, damage and expense, including reasonable attorneys' fees, which it may or shall incur under any of said Assigned Leases, or by reason of this Assignment, or by reason of any action taken by the Assignee hereunder in good faith, and against and from any and all claims and demands whatsoever which may be asserted against the Assignee by reason of any alleged obligation or undertaking on its part to perform or discharge any of the terms, covenants and conditions contained in any of the said Assigned Leases. Should the Assignee incur any such liability, loss, damage or expense, the amount thereof, together with interest thereon at the rate of one and one-half percent (1.5%) per month (but not in excess of the maximum amount permitted by law) shall be payable by the Assignor to the Assignee immediately upon demand, or at the option of the Assignee, the Assignee may reimburse itself therefor out of any rents, issues or profits of the Mortgaged Premises collected by the Assignee. Nothing contained herein shall operate or be construed to obligate the Assignee to perform any

of the terms, covenants or conditions contained in any Assigned Leases or otherwise to impose any obligation upon the Assignee with respect to any of said Assigned Leases, including, but not limited to, any obligation arising out of any covenant of quiet enjoyment therein contained, in the event that any lessee shall have been joined as a party defendant in any action to foreclose the Mortgage and the estate of such lessee shall have been hereby terminated. Prior to actual entry into and taking possession of the Mortgaged Premises by the Assignee, this Assignment shall not operate to place upon the Assignee any responsibility for the operation, control, care, management or repair of the Mortgaged Premises, and the execution of this Assignment by the Assignor shall constitute conclusive evidence that all responsibility for the operation, control, care, management and repair of the Mortgaged Premises is and shall be that of the Assignor, prior to such actual entry and taking of possession.

5. The Assignor represents and warrants that the Assignor has duly and punctually performed, and shall continue to perform, all and singular the material terms, conditions and covenants of the aforesaid Assigned Leases on Assignor's part to be kept, observed and performed; that the Assignor has not sold, assigned, transferred, mortgaged or pledged any of the rents, issues and profits from the Mortgaged Premises or any part thereof, whether now due or hereafter to become due, to any person, firm or corporation other than the Assignee and to the holder of a subordinate mortgage or mortgages, if any, approved by the Assignee; that the Assigned Leases are valid and unmodified and are in full force and effect; that no rents, issues or profits of the Mortgaged Premises, or any part or parts thereof, becoming due subsequent to the date hereof have been collected for more than one month subsequent to the date hereof, nor has payment of any of the same been anticipated, waived, released, discounted or otherwise discharged or compromised and that no lessee thereunder is in default under any of the material terms of its Assigned Lease. The Assignor agrees that the Assignor will enforce or secure the performance of each and every material obligation, covenant, condition and agreement to be performed by each lessee under the Assigned Leases.

6. The Assignor agrees to execute and deliver to the Assignee, at any time or times during which this Assignment shall be in effect, such further instruments as the Assignee may deem necessary to make effective this Assignment and the several covenants of the Assignor herein contained. The Assignor further agrees that at all times during which this Assignment shall be in effect, the Assignor will use its best efforts to keep the Mortgaged Premises fully rented at the highest rentals obtainable. Any new leases shall, among other things, be fully subordinate to the lien of all mortgages now or hereafter a lien on the Mortgaged Premises and to all extension, modification, renewals, replacements or increases thereof. If such subordination is to be conditioned upon receipt of a non-disturbance agreement ("SNDA") from Assignee, such SNDA, if approved by Assignee shall be prepared on Assignee's standard forms.

7. Failure of the Assignee to avail itself of any of the terms, covenants and conditions of this Assignment for any period of time, or at any time or times, shall not be construed or deemed to be a waiver of any of its rights hereunder. The rights and remedies of the Assignee under this Assignment are cumulative and are not in lieu of but are in addition to any other rights and remedies which the Assignee shall have under or by virtue of the Mortgage.

The rights and remedies of the Assignee hereunder may be exercised from time to time and as often as such exercise is deemed expedient.

8. The Assignee shall have the right to assign to any subsequent holder of the Mortgage, or to any person acquiring title to the Mortgaged Premises, the Assignor's rights, title and interest in any Assigned Lease hereby or hereafter assigned, subject, however, to the provisions of this Assignment. After the Assignor shall have been barred and foreclosed of all right, title and interest and equity of redemption in the Mortgaged Premises, no assignee of the Assignor's interest in the Assigned Leases shall be liable to account to the Assignor for any rents, income, revenues, issues or profits thereafter accruing.

9. Upon payment in full of all the indebtedness secured by the Mortgage, as evidenced by a recorded satisfaction or release of Mortgage, as well as any sums which may be payable hereunder, this Assignment shall become and be void and of no effect and, in that event, upon the request of the Assignor, the Assignee covenants to execute and deliver to the Assignor instruments effective to evidence the termination of this Assignment and/or the reassignment to the Assignor of the rights, power and authority granted herein, provided, however, that, as to any lessee of any portion of the Mortgaged Premises, any affidavit, certificate or other written statement of any officer of the Assignee, stating that any part of said indebtedness remains unpaid, shall be and constitute conclusive evidence of the then validity, effectiveness and continuing force of this Assignment and any person, firm or corporation receiving any such affidavit, certificate or statement may, and is hereby authorized to, rely thereon. As against the Assignee, at all times during which this Assignment shall be in effect there shall be no merger of the Assigned Leases or the leasehold estates created thereby with the Assignor's estate in the Mortgaged Premises by reason of the fact that said leases or any interest therein may be held by or for the account of any person, firm or corporation which may be or become the owner of said Assignor's estate, unless the Assignee shall consent in writing to said merger.

10. In addition to and apart from the foregoing Assignor hereby covenants and agrees with the Assignee that upon an Event of Default under the Mortgage, without the written consent of the Assignee first had and obtained, the Assignor will not accept surrender, cancel, abridge or modify any of the terms, covenants and conditions of any Assigned Lease, and will not accept prepayments of installments of rent to become due thereunder for more than one (1) month in advance except to the extent such cancellation, abridgement, modification or prepayment is presently expressly permitted to a lessee under the provisions of its respective lease. The provisions of the preceding sentence shall be enforceable as provided in Section 291-f of the Real Property Law with respect to leases covered by said section; as to leases not covered by said section, the Assignee shall be entitled to enforce the foregoing in any manner permitted by law or equity. The Assignor further agrees that upon demand of the Assignee the Assignor will enter into a similar agreement with the Assignee pursuant to Section 291-f of the Real Property Law providing for the above with the Assignee with respect to any lease hereafter executed by the Assignor relating to space in the Mortgaged Premises; notwithstanding the provisions of this sentence, it is understood and agreed that the remaining provisions of this paragraph shall also apply to leases hereafter executed. The Assignor hereby irrevocably

The rights and remedies of the Assignee hereunder may be exercised from time to time and as often as such exercise is deemed expedient.

8. The Assignee shall have the right to assign to any subsequent holder of the Mortgage, or to any person acquiring title to the Mortgaged Premises, the Assignor's rights, title and interest in any Assigned Lease hereby or hereafter assigned, subject, however, to the provisions of this Assignment. After the Assignor shall have been barred and foreclosed of all right, title and interest and equity of redemption in the Mortgaged Premises, no assignee of the Assignor's interest in the Assigned Leases shall be liable to account to the Assignor for any rents, income, revenues, issues or profits thereafter accruing.

9. Upon payment in full of all the indebtedness secured by the Mortgage, as evidenced by a recorded satisfaction or release of Mortgage, as well as any sums which may be payable hereunder, this Assignment shall become and be void and of no effect and, in that event, upon the request of the Assignor, the Assignee covenants to execute and deliver to the Assignor instruments effective to evidence the termination of this Assignment and/or the reassignment to the Assignor of the rights, power and authority granted herein, provided, however, that, as to any lessee of any portion of the Mortgaged Premises, any affidavit, certificate or other written statement of any officer of the Assignee, stating that any part of said indebtedness remains unpaid, shall be and constitute conclusive evidence of the then validity, effectiveness and continuing force of this Assignment and any person, firm or corporation receiving any such affidavit, certificate or statement may, and is hereby authorized to, rely thereon. As against the Assignee, at all times during which this Assignment shall be in effect there shall be no merger of the Assigned Leases or the leasehold estates created thereby with the Assignor's estate in the Mortgaged Premises by reason of the fact that said leases or any interest therein may be held by or for the account of any person, firm or corporation which may be or become the owner of said Assignor's estate, unless the Assignee shall consent in writing to said merger.

10. In addition to and apart from the foregoing Assignor hereby covenants and agrees with the Assignee that upon an Event of Default under the Mortgage, without the written consent of the Assignee first had and obtained, the Assignor will not accept surrender, cancel, abridge or modify any of the terms, covenants and conditions of any Assigned Lease, and will not accept prepayments of installments of rent to become due thereunder for more than one (1) month in advance except to the extent such cancellation, abridgement, modification or prepayment is presently expressly permitted to a lessee under the provisions of its respective lease. The provisions of the preceding sentence shall be enforceable as provided in Section 291-f of the Real Property Law with respect to leases covered by said section; as to leases not covered by said section, the Assignee shall be entitled to enforce the foregoing in any manner permitted by law or equity. The Assignor further agrees that upon demand of the Assignee the Assignor will enter into a similar agreement with the Assignee pursuant to Section 291-f of the Real Property Law providing for the above with the Assignee with respect to any lease hereafter executed by the Assignor relating to space in the Mortgaged Premises; notwithstanding the provisions of this sentence, it is understood and agreed that the remaining provisions of this paragraph shall also apply to leases hereafter executed. The Assignor hereby irrevocably

appoints the Assignee the attorney-in-fact of the Assignor to execute any such agreement on behalf of the Assignor and to deliver to the lessee to whose lease such agreement relates the written notice referred to in Section 291-f of the Real Property Law whether or not such lease is one to which such Section 291-f is applicable, which appointment shall be deemed effective upon and after an Event of Default under the Mortgage.

11. No change, amendment, modification, cancellation or discharge hereof, or of any part hereof, shall be valid unless the Assignee shall have consented thereto in writing.

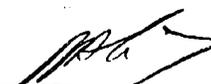
12. In the event there is any conflict between the terms and provisions of the Mortgage and the terms and provisions of this Assignment, the terms and provisions of this Assignment shall prevail.

13. The terms, covenants and conditions contained herein shall inure to the benefit of, and bind the Assignee and the Assignor and their respective distributees, legal representatives, successors and assigns.

14. This Assignment shall be governed by, construed and enforced in accordance with the laws of the State in which the Mortgaged Premises is situated.

IN WITNESS WHEREOF, this Assignment has been duly executed by the Assignor.

RN REALTY, L.L.C.,  
a New York limited liability company

By:   
Neal Schwartz  
Manager

STATE OF NEW YORK )  
 ) ss.:  
COUNTY OF NEW YORK )

On the 15 day of January, 1998, before me personally came Neal Schwartz, to me known who, being by me duly sworn, did depose and say that he resides at 15 DELL DRIVE, EAST ROCKAWAY, NY 11518; that he is a member of RN REALTY, L.L.C., the company described in and which executed the foregoing instrument; and that he executed the foregoing instrument by order of the members of said company and that he signed his name thereto by like order.

  
NOTARY PUBLIC

LYNN G. KANZER  
Notary Public, State of New York  
No. 31-5053445  
Qualified in New York County  
Commission Expires Dec. 18, 1999

**SCHEDULE "A"**

**ALL** that certain plot, piece or parcel of land, situate, lying and being in the Borough of Manhattan, City, County and State of New York, bounded and described as follows:

**BEGINNING** at a point on the southerly side of West 28th Street, distant 325 feet westerly from the corner formed by the intersection of the southerly side of West 28th Street and the westerly side of 10th Avenue;

**RUNNING THENCE** southerly and parallel with the westerly side of 10th Avenue, 197 feet 6 inches to the northerly side of West 27th Street;

**THENCE** westerly along the northerly side of West 27th Street, 95 feet;

**THENCE** northerly and parallel with the westerly side of 10th Avenue, 98 feet 9 inches to the center line of the block;

**THENCE** westerly along the center line of the block, 5 feet;

**THENCE** northerly and parallel with the westerly side of 10th Avenue, 98 feet 9 inches to the southerly side of West 28th Street;

**THENCE** easterly along the southerly side of 28th Street, 100 feet to the point or place of **BEGINNING**.

REC-2611855469

③ 135NYNY 21916

Title Co.: First American Title Insurance  
Company of New York  
Title No.: 135NYNY21916

Block: 699  
Lot: 49  
County: New York  
Premises: \* 530 West 28th Street  
New York, New York

---

RN REALTY, L.L.C.

-and-

STERLING REAL ESTATE HOLDING  
COMPANY INC.

---

**ASSIGNMENT OF LEASES AND RENTS**

---

**RETURN TO:**  
Baer Marks and Upham LLP  
805 Third Avenue  
New York, New York 10022  
Attn.: Howard R. Shapiro, Esq.

FIRST AMERICAN TITLE INC.  
 OF NEW YORK  
 228 EAST 45TH STREET  
 NEW YORK, NY 10017  
 TEL: (212) 922-9700  
 FAX: (212) 922-0881

**CITY REGISTER RECORDING AND ENDORSEMENT PAGE**  
**- NEW YORK COUNTY -**  
 (This page forms part of the instrument)

Block(s) 699  
 Lot(s) 49  
520 WEST 28<sup>th</sup> ST

Record & Return to: BREN MARKS JUPHAY ATT: HOWARD SHAPIRO  
805 THIRD AVE, NY NY 10022  
 Title/Agent Company name: FIRST AMERICAN TITLE  
 Title Company number: 135 N/NY 21916

**OFFICE USE ONLY - DO NOT WRITE BELOW THIS LINE**

THE FOREGOING INSTRUMENT WAS ENDORSED FOR THE RECORD AS FOLLOWS:

Examined by (A): YAI

Mile Tax Serial No.	
Mile Amount	\$
Taxable Amount	\$
Exemption (A) YES <input type="checkbox"/> NO <input type="checkbox"/>	
Type: <input checked="" type="checkbox"/> [SOME] <input type="checkbox"/> [255] <input type="checkbox"/> [OTHER]	
Dwelling Type: <input type="checkbox"/> [1 or 2] <input type="checkbox"/> [3] <input type="checkbox"/> [4 or 6] <input type="checkbox"/> [OVER 6]	
TAX RECEIVED ON ABOVE MORTGAGE ▼	
County (basic)	\$
City (Add'l)	\$
Spec Add'l	\$
YASF	\$
MTA	\$
NYCTA	\$
TOTAL TAX	\$
Apportionment Mortgage (A) YES <input type="checkbox"/> NO <input type="checkbox"/>	

Joy A. Bobrow, City Register

City Register Serial Number **027630**

Indexed By (A): [Signature] Verified By (A): SD

Block(s) and Lot(s) verified by (A):  
 Address LD  Tax Map   
 Extra Block(s) \_\_\_\_\_ Lot(s) \_\_\_\_\_

Recording Fee (E)	\$ 72
Affidavit Fee (C)	\$ 8
TP-584/582 Fee (Y)	\$
RPTT Fee (R)	\$

HPD-A  HPD-C

New York State Real Estate Transfer Tax ▼  
 \$

Serial Number ➡

New York City Real Property Transfer Tax  
 Serial Number ➡

New York State Gains Tax  
 Serial Number ➡

REC-2611 PG 470

OTHER INSTRUMENTS  
 0710 0150



RECORDED IN NEW YORK COUNTY  
 OFFICE OF THE CITY REGISTER

1990 JUL -7 A 9:25

Witness My Hand and Official Seal

Joy A. Bobrow

City Register

CRGFM89N BPG 193



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NYC Department of Buildings  
Property Profile Overview

526 WEST 28 STREET

WEST 27 STREET : 525 - 531  
WEST 28 STREET : 526 - 532

MANHATTAN 10001

Health Area : 5500  
Census Tract : 99  
Community Board : 104  
Buildings on Lot : 1

BIN# 1012416

Tax Block : 699  
Tax Lot : 49  
Condo : NO  
Vacant : NO

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#)

[View Challenge Results](#)

[View Certificates of Occupancy](#)

Cross Street(s): HIGH LINE, 11 AVENUE  
 DOB Special Place Name:  
 DOB Building Remarks:  
 Landmark Status: **Special Status:** N/A  
 Local Law: NO **Loft Law:** NO  
 SRO Restricted: NO **TA Restricted:** NO  
 UB Restricted: NO  
 Little 'E' Restricted: HAZMAT/NOISE/AIR **Grandfathered Sign:** NO  
 Legal Adult Use: NO **City Owned:** NO  
 Additional BINs for Building: NONE

Special District: WCH - WEST CHELSEA

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

Department of Finance Building Classification: K9-STORE BUILDING

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	<a href="#">Elevator Records</a>
<a href="#">Complaints</a>	5	0	<a href="#">Electrical Applications</a>
<a href="#">Violations-DOB</a>	16	7	<a href="#">Permits In-Process / Issued</a>
<a href="#">Violations-ECB (DOB)</a>	6	2	<a href="#">Illuminated Signs Annual Permits</a>
<a href="#">Jobs/Filings</a>	29		<a href="#">Plumbing Inspections</a>
ARA / LAA Jobs	0		<a href="#">Open Plumbing Jobs / Work Types</a>
Total Jobs	29		<a href="#">Facades</a>
<a href="#">Actions</a>	135		<a href="#">Marquee Annual Permits</a>
			<a href="#">Boiler Records</a>
			<a href="#">DEP Boiler Information</a>
			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

OR Enter Action Type:

OR Select from List:

AND

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NYC Department of Buildings  
Job Overview

Page: 1 of 1

Premises: 525 WEST 27 STREET MANHATTAN

BIN: [1012416](#) Block: 699 Lot: 49To start overview at new date, select Month:  Day:  Year: Show All BIS Job Types Show All Filings 

APPLY

FILE DATE	JOB #	DOC #	JOB TYPE	JOB STATUS	STATUS DATE	LIC #	APPLICANT	IN AUDIT	ZONING APPROVAL
11/26/2002	<a href="#">103321852</a>	01	A2	X SIGNED OFF	10/06/2003	0023268 RA	FOYO-ESC		NOT APPLICABLE
MINOR INTERIOR PARTITION CHANGES WITH GENERAL CONSTRUCTION, PLUMBING, Work on Floor(s): CEL,MEZ,ROF 001 thru 004									
03/31/2003	<a href="#">103424171</a>	01	A3	X SIGNED OFF	06/23/2004		ZAHARIA		NOT APPLICABLE
INSTALLATION OF HEAVY DUTY SIDEWALK SHED, 100', DURING FACADE REPAIR Work on Floor(s): GRD									
05/01/2003	<a href="#">103448878</a>	01	A3	X SIGNED OFF	12/09/2004	0023268 RA	HINKLEY		NOT APPLICABLE
THIS IS A NO WORK APPLICATION FILED FOR FIRE PROTECTION AS PER LAYOUT. Work on Floor(s): C, M, ROF 001 thru 004									
05/05/2003	<a href="#">103448869</a>	01	A2	X SIGNED OFF	08/25/2003	0014068 RA	HOGAN		NOT APPLICABLE
STRUCTURAL WORK AS PER PLAN. THERE IS NO CHANGE TO USE, EGRESS OR Work on Floor(s): CEL,MEZ,ROF 001 thru 004									
05/08/2003	<a href="#">103453264</a>	01	A1	X SIGNED OFF	01/18/2005	0023268 RA	FOYO-ESC		NOT APPLICABLE
CHANGE OF USE AT THE CELLAR THROUGH FORTH FLOOR. GENERAL CONSTRUCTION AND Work on Floor(s): CEL,001,MEZ,002,003,004									
05/27/2003	<a href="#">103462922</a>	01	A2	X SIGNED OFF	12/01/2003	0023268 RA	FOYO-ESC		NOT APPLICABLE
MECHANICAL WORK AS PER PLAN NO CHANGE IN USE,EGRESS OR OCCUPANCY. Work on Floor(s): CEL,MEZ,ROF 001 thru 004									
07/07/2003	<a href="#">103507929</a>	01	A2	X SIGNED OFF	05/20/2004	0023268 RA	FOYO-ESC		NOT APPLICABLE
MODIFICATION OF EXITING SPRINKLER SYSTEM. NO CHANGE TO USE, EGRESS Work on Floor(s): CEL,MEZ 001 thru 004									
08/05/2003	<a href="#">103533044</a>	01	A2	X SIGNED OFF	05/20/2004	0023268 RA	FOYO-ESC		NOT APPLICABLE
PLUMBING WORK AS PER PLAN.THERE IS NO CHANGE TO USE, EGRESS OR OCCUPANCY F Work on Floor(s): CEL,001,MEZ,002,003,004									
08/29/2003	<a href="#">103507929</a>	02	A2	P APPROVED	09/10/2003	0023268 RA	FOYO-ESC		NOT

							APPLICABLE
09/23/2003	<a href="#">103533044</a>	02	A2	P APPROVED	09/25/2003	0023268 RA FOYO-ESC	NOT APPLICABLE
09/26/2003	<a href="#">103575917</a>	01	A2	X SIGNED OFF	12/03/2003	0022382 RA Tartagli	NOT APPLICABLE
10/01/2003	<a href="#">103453264</a>	02	A1	D A/P ENTIRE	06/08/2004	0023268 RA FOYO-ESC	NOT APPLICABLE
10/10/2003	<a href="#">103588137</a>	01	A2	X SIGNED OFF	11/24/2003	0014068 RA HOGAN	NOT APPLICABLE
11/03/2003	<a href="#">103607205</a>	01	PA	U COMPLETED	11/27/2007	0023916 RA INTILI	NOT APPLICABLE
11/05/2003	<a href="#">103453264</a>	03	A1	P APPROVED	11/19/2003	0023268 RA FOYO-ESC	NOT APPLICABLE
11/12/2003	<a href="#">103507929</a>	03	A2	P APPROVED	11/21/2003	0023268 RA FOYO-ESC	NOT APPLICABLE
11/14/2003	<a href="#">103462922</a>	02	A2	P APPROVED	12/01/2003	0023268 RA FOYO-ESC	NOT APPLICABLE
11/21/2003	<a href="#">103607205</a>	02	PA	P APPROVED	11/24/2003	0023268 RA FOYO-ESC	NOT APPLICABLE
12/14/2004	<a href="#">103453264</a>	04	A1	P APPROVED	12/15/2004	0023268 RA FOYO-ESC	NOT APPLICABLE
01/13/2005	<a href="#">103453264</a>	05	A1	P APPROVED	01/14/2005	0023268 RA FOYO-ESC	NOT APPLICABLE
02/23/2005	<a href="#">104046195</a>	01	A1	X SIGNED OFF	05/05/2005	0049789 PE HINKLEY	NOT APPLICABLE

	Work on Floor(s): 001							
03/07/2005	<a href="#">104046195</a>	02	A1	P APPROVED	03/09/2005	0049789 PE HINKLEY	NOT APPLICABLE	
	POST APPROVAL AMENDMENT FOR 01							
	Work on Floor(s): 001							
03/24/2005	<a href="#">104046195</a>	03	A1	P APPROVED	04/13/2005	0049789 PE HINKLEY	NOT APPLICABLE	
	POST APPROVAL AMENDMENT FOR 01							
	Work on Floor(s): 001							
09/19/2005	<a href="#">104230707</a>	01	A2	P APPROVED	04/20/2006	0049789 PE HINKLEY	NOT APPLICABLE	
	MODIFICATION OF EXISTING SPRINKLER SYSTEM AS PER PLAN. THERE IS NO CHANGE							
	Work on Floor(s): 001							
09/21/2005	<a href="#">104232992</a>	01	A2	R PERMIT-ENTIRE	12/06/2007	0023916 RA INTILI	NOT APPLICABLE	
	MINOR INTERIOR PARTITION CHANGES AS PER PLAN. THERE IS NO CHANGE TO USE,							
	Work on Floor(s): 001							
02/01/2006	<a href="#">104342800</a>	01	A3	R PERMIT-ENTIRE	02/07/2006	0049789 PE HINKLEY	NOT APPLICABLE	
	INSTALLATION OF AWNING AT THE FACADE, GROUND FLOOR LEVEL. THERE IS NO CHA							
	Work on Floor(s): 001							
02/15/2006	<a href="#">104356153</a>	01	A2	P APPROVED	02/16/2006	0049789 PE HINKLEY	NOT APPLICABLE	
	PLUMBING WORK AS PER PLAN. THERE IS NO CHANGE OF USE, EGRESS, OR OCCUPANC							
	Work on Floor(s): 001,ROF							
11/20/2007	<a href="#">103607205</a>	03	PA	P APPROVED	11/21/2007	0023916 RA INTILI	NOT APPLICABLE	
	POST APPROVAL AMENDMENT FOR 01 MANSION							
	Work on Floor(s): CEL,001,MEZ,RF 002 thru 004							
08/11/2009	<a href="#">120126416</a>	01	A2	Q PERMIT-PARTIAL	08/13/2009	0023916 RA INTILI	NOT APPLICABLE	
	THIS APPLICATION FILED FOR MINOR INTERIOR PARTITION CHANGES WITH PLUMBING,							
	Work on Floor(s): 001,003							

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NYC Department of Buildings  
**DOB Violations**

Page: 1

Premises: 525 WEST 27 STREET MANHATTAN

BIN: [1012416](#) Block: 699 Lot: 49

NUMBER	TYPE	FILE DATE
ALT 2212-15*	ALTERATION	00/00/0000
ALT 1834-01*	ALTERATION	00/00/1901
ALT 3110-11P	ALTERATION	00/00/1911
ALT 2212-15*	ALTERATION	00/00/1915
ALT 2212-15*	ALTERATION	00/00/1915
ALT 2212-15	ALTERATION	00/00/1915
ALT 2212-15	ALTERATION	00/00/1915
ALT 2212-15	ALTERATION	00/00/1915
ALT 2305-41	ALTERATION	00/00/1941
ALT 897-42	ALTERATION	00/00/1942
ALT 271-44	ALTERATION	00/00/1944
ALT 643-49	ALTERATION	00/00/1949
ALT 14-60	ALTERATION	00/00/1960

Next

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**DOB Violations**

Page: 2

Premises: 525 WEST 27 STREET MANHATTAN

BIN: [1012416](#) Block: 699 Lot: 49

NUMBER		TYPE	FILE DATE
ALT 1311-68P		ALTERATION	00/00/1968
ALT 1311-68P		ALTERATION	00/00/1968
ALT 1311-68P		ALTERATION	00/00/1968
ALT 1311-68P		ALTERATION	00/00/1968
ALT 656-74*		ALTERATION	00/00/1974
ALT 1101-84*		ALTERATION	00/00/1984
ALT 1824-87*		ALTERATION	00/00/1987
ALT 1246-87*		ALTERATION	00/00/1987
BN 1598-42		BUILDING NOTICE	00/00/1942
BN 820-42		BUILDING NOTICE	00/00/1942
BN 1390-49		BUILDING NOTICE	00/00/1949
BN 1390-49		BUILDING NOTICE	00/00/1949
BN 1390-49		BUILDING NOTICE	00/00/1949
BN 2073-49		BUILDING NOTICE	00/00/1949
BN 630-52		BUILDING NOTICE	00/00/1952
BN 5328-68VAULT		BUILDING NOTICE	00/00/1968
BN 555-69		BUILDING NOTICE	00/00/1969
BN 555-69		BUILDING NOTICE	00/00/1969
BN 555-69		BUILDING NOTICE	00/00/1969
<a href="#">CO 56072</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
CO 69390	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
<a href="#">CO 888</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
<a href="#">CO 56072</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
CO 69390	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
<a href="#">CO 888</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000

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NYC Department of Buildings  
**DOB Violations**

Page: 3

Premises: 525 WEST 27 STREET MANHATTAN

BIN: [1012416](#) Block: 699 Lot: 49

NUMBER		TYPE	FILE DATE
<a href="#">CO 56072</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
CO 69390	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
<a href="#">CO 888</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
<a href="#">CO 56072</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
CO 69390	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
<a href="#">CO 888</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
<a href="#">CO 56072</a>	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
CO 69390	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	00/00/0000
CO 103453264T(12/10/03)	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	12/10/2003
CO 103453264T(3/10/04)	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	03/10/2004
CO 103453264T(6/8/04)	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	06/08/2004
CO 103453264T(9/9/04)	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	09/09/2004
CO 103453264T(12/2/04)	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	12/02/2004
CO 103453264F(1/18/05)	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	01/18/2005
CO 104046195F(05/05/05)	<a href="#">(PDF)</a>	CERTIFICATE OF OCCUPANCY	05/05/2005
COM 5446-60		COMPLAINTS	00/00/1960
COM 5446-60		COMPLAINTS	00/00/1960
COM 885-60		COMPLAINTS	00/00/1960
DP 165-17*		DEMOLITION PERMIT	00/00/1917
ELV 44-44		ELEVATOR	00/00/1944
ELV 44-44		ELEVATOR	00/00/1944
ELV 44-44		ELEVATOR	00/00/1944
ELV 44-44		ELEVATOR	00/00/1944
ESA 356-39		ELECTRIC SIGN APPLICATION	00/00/1939
ESA 473-39		ELECTRIC SIGN APPLICATION	00/00/1939

[Previous](#) [Next](#)

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NYC Department of Buildings  
**DOB Violations**

Page: 4

Premises: 525 WEST 27 STREET MANHATTAN

BIN: [1012416](#) Block: 699 Lot: 49

NUMBER	TYPE	FILE DATE
FE 2678-01*	FIRE ESCAPE	00/00/1901
FO 331-42	OIL BURNER APPLICATION	00/00/1942
FO 331-42	OIL BURNER APPLICATION	00/00/1942
FO 331-42	OIL BURNER APPLICATION	00/00/1942
FO 331-42	OIL BURNER APPLICATION	00/00/1942
FO 331-42	OIL BURNER APPLICATION	00/00/1942
GT 3329-59	GAS TANK	00/00/1959
GT 3329-59	GAS TANK	00/00/1959
GT 92-62	GAS TANK	00/00/1962
GT 92-62	GAS TANK	00/00/1962
GT 92-62	GAS TANK	00/00/1962
NB 994-00*	NEW BUILDING	00/00/1900
NB 138-52P	NEW BUILDING	00/00/1952
NB 902-72*	NEW BUILDING	00/00/1972
NB 1239-82*	NEW BUILDING	00/00/1982
NB 1554-85*	NEW BUILDING	00/00/1985
P 357-16	PLUMBING	00/00/1916
P 1240-62	PLUMBING	00/00/1962

[Previous](#) [Next](#)

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NYC Department of Buildings  
**DOB Violations**

Page: 5

Premises: 525 WEST 27 STREET MANHATTAN

BIN: [1012416](#) Block: 699 Lot: 49

NUMBER	TYPE	FILE DATE
PER 3495-41ENT	PERMIT	00/00/1941
PER 1265-42ENT	PERMIT	00/00/1942
PER 518-44CMP1	PERMIT	00/00/1944
PRS 365-42	PLUMBING REPAIR SLIP	00/00/1942
PRS 447-43	PLUMBING REPAIR SLIP	00/00/1943
PRS 2352-51	PLUMBING REPAIR SLIP	00/00/1951
PRS 1881-53	PLUMBING REPAIR SLIP	00/00/1953
PRS 2103-59	PLUMBING REPAIR SLIP	00/00/1959
SPR 1601-61	SPRINKLERS	00/00/1961
SR 12887-01	SPECIAL REPORT	00/00/1901
SR 22553-04	SPECIAL REPORT	00/00/1904
SR 2206-12	SPECIAL REPORT	00/00/1912
SR 1132-22	SPECIAL REPORT	00/00/1922
SR 2714-44	SPECIAL REPORT	00/00/1944
SR 2714-44	SPECIAL REPORT	00/00/1944
SR 2714-44	SPECIAL REPORT	00/00/1944
SR 3083-44	SPECIAL REPORT	00/00/1944

[Previous](#) [Next](#)

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NYC Department of Buildings  
**DOB Violations**

Page: 6

Premises: 525 WEST 27 STREET MANHATTAN

BIN: [1012416](#) Block: 699 Lot: 49

NUMBER	TYPE	FILE DATE
SR 3206-45	SPECIAL REPORT	00/00/1945
SR 4575-46	SPECIAL REPORT	00/00/1946
SR 5877-47	SPECIAL REPORT	00/00/1947
SR 4318-50	SPECIAL REPORT	00/00/1950
SR 420-56	SPECIAL REPORT	00/00/1956
UB 2850-01*	UNSAFE BUILDING	00/00/1901
UB 449-16*	UNSAFE BUILDING	00/00/1916
UB 437-16*	UNSAFE BUILDING	00/00/1916
UB 820-17*	UNSAFE BUILDING	00/00/1917
UB 820-17*	UNSAFE BUILDING	00/00/1917
V* 7303-61	DOB VIOLATION - DISMISSED	00/00/0000
V* 082086E142642	DOB VIOLATION - DISMISSED	08/20/1986
DISMISSAL DATE: 02/19/1987		
V* 021987E142643	DOB VIOLATION - DISMISSED	00/00/1987
DISMISSAL DATE: 02/07/1989		<b>BADGE NO.:</b> 1196
<a href="#">V* 020789E1196A/7</a>	DOB VIOLATION - DISMISSED	02/07/1989
<a href="#">V* 020789E1196A/07</a>	DOB VIOLATION - DISMISSED	02/07/1989
<a href="#">V* 123003E9013/189375</a>	DOB VIOLATION - DISMISSED	12/30/2003
<a href="#">V* 042104LL108100463</a>	DOB VIOLATION - DISMISSED	04/21/2004
<a href="#">V* 120705E94441148147</a>	DOB VIOLATION - DISMISSED	12/07/2005
<a href="#">V 081106CMTF01RNS</a>	DOB VIOLATION - ACTIVE	08/11/2006
<a href="#">V* 091506E9444/174515</a>	DOB VIOLATION - DISMISSED	09/15/2006
<a href="#">V 040207LL108100513</a>	DOB VIOLATION - ACTIVE	04/02/2007
<a href="#">V 032108LL108100539</a>	DOB VIOLATION - ACTIVE	03/21/2008
<a href="#">V 051208E9444/252294</a>	DOB VIOLATION - ACTIVE	05/12/2008
<a href="#">V 022709LL108100422</a>	DOB VIOLATION - ACTIVE	02/27/2009
<a href="#">V 121311EVCAT100489</a>	DOB VIOLATION - ACTIVE	12/13/2011

[Previous](#) [Next](#)

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NYC Department of Buildings  
**DOB Violations**

Page: 7

Premises: 525 WEST 27 STREET MANHATTAN

BIN: [1012416](#) Block: 699 Lot: 49

NUMBER	TYPE	FILE DATE
<a href="#">V 100112EVCAT100519</a>	DOB VIOLATION - ACTIVE	10/01/2012
<a href="#">VECL 050105PAERMR09</a>	VIOLATION ECB LIEN - ACTIVE	05/01/2005
<a href="#">VECL 072106CNEGA05</a>	VIOLATION ECB LIEN - ACTIVE	07/21/2006
<a href="#">VEC* 110503E1352A01</a>	ECB VIOLATION DISMISSED	11/05/2003
<a href="#">VEL* 052891E1437A2</a>	VIOLATION ECB LIEN DISMISSED	05/28/1991
<a href="#">VEC* 012304CERRH02</a>	ECB VIOLATION DISMISSED	01/23/2004
<a href="#">VEC* 061707PAERTZ01</a>	ECB VIOLATION DISMISSED	06/18/2007

[Previous](#)

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NYC Department of Buildings  
Property Profile Overview

**NO BOILER RECORDS FOUND FOR THIS PROPERTY**

526 WEST 28 STREET

MANHATTAN 10001

BIN# 1012416

WEST 27 STREET : 525 - 531  
WEST 28 STREET : 526 - 532

Health Area : 5500  
Census Tract : 99  
Community Board : 104  
Buildings on Lot : 1

Tax Block : 699  
Tax Lot : 49  
Condo : NO  
Vacant : NO

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#)

[View Challenge Results](#)

[View Certificates of Occupancy](#)

Cross Street(s): HIGH LINE, 11 AVENUE  
 DOB Special Place Name:  
 DOB Building Remarks:  
 Landmark Status: **Special Status:** N/A  
 Local Law: NO **Loft Law:** NO  
 SRO Restricted: NO **TA Restricted:** NO  
 UB Restricted: NO  
 Little 'E' Restricted: HAZMAT/NOISE/AIR **Grandfathered Sign:** NO  
 Legal Adult Use: NO **City Owned:** NO  
 Additional BINs for Building: NONE

Special District: WCH - WEST CHELSEA

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

Department of Finance Building Classification: K9-STORE BUILDING

**Please Note:** The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open	<a href="#">Elevator Records</a>
<a href="#">Complaints</a>	5	0	<a href="#">Electrical Applications</a>
<a href="#">Violations-DOB</a>	16	7	<a href="#">Permits In-Process / Issued</a>
<a href="#">Violations-ECB (DOB)</a>	6	2	<a href="#">Illuminated Signs Annual Permits</a>
<a href="#">Jobs/Filings</a>	29		<a href="#">Plumbing Inspections</a>
<a href="#">ARA / LAA Jobs</a>	0		<a href="#">Open Plumbing Jobs / Work Types</a>
<a href="#">Total Jobs</a>	29		<a href="#">Facades</a>
<a href="#">Actions</a>	135		<a href="#">Marquee Annual Permits</a>
OR Enter Action Type: <input type="text"/>			<a href="#">Boiler Records</a>
OR Select from List:			<a href="#">DEP Boiler Information</a>
Select...			<a href="#">Crane Information</a>
			<a href="#">After Hours Variance Permits</a>

AND

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## NYC Department of Buildings

### ECB Violation Details

Premises: 525 WEST 27 STREET MANHATTAN  
 BIN: [1012416](#) Block: 699 Lot: 49

Filed At: 526 WEST 28 STREET , MANHATTAN , NY 10001  
 Community Board: 104

### ECB Violation Summary

### VIOLATION RESOLVED

ECB Violation Number: 38009875K

Severity: NON-HAZARDOUS

Certification Status: CERTIFICATE ACCEPTED  
 Hearing Status: STIPULATION/IN-VIO  
 Penalty Balance Due: \$0.00

### Respondent Information

Name: MESSMORE & DAMON INC  
 Mailing Address: 00526 WEST 28 STREET , MANHATTAN , NY 10001

### Violation Details

Violation Date: 05/28/1991      Violation Type: ELEVATOR  
 Served Date: 08/01/1991      Inspection Unit:  
 Device Type: ELEVATOR  
 Device Number: [1F2660](#)

Infraction Codes	Section of Law	Standard Description
<a href="#">B8G</a>	27-127	FAILURE TO MAINTAIN ELEVATOR

Specific Violation Condition(s) and Remedy:  
 57O,74#,74 REPAIR OR RENEW CAR ANNUCIATOR

Issuing Inspector ID: 1437      DOB Violation Number: 052891E1437A2  
 Issued as Aggravated Level: NO

### Dept. of Buildings Compliance Information

Certification Status: CERTIFICATE ACCEPTED  
 Compliance On: 12/03/2003

Stipulated Compliance Due Date: 12/17/1991

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

### ECB Hearing Information

Scheduled Hearing Date: 09/12/1991      Hearing Status: STIPULATION/IN-VIO  
 Hearing Time: 10:30

### ECB Penalty Information

Penalty Imposed: \$150.00

**Adjustments:** \$0.00  
**Amount Paid:** \$150.00  
**Penalty Balance Due:** \$0.00

**ECB Violation History**

**Compliance Events**

**Compliance (post-hearing):** 12/03/2003

**Hearing Events**

**Stipulation (at hearing):** 09/12/1991

If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.



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## NYC Department of Buildings

### ECB Violation Details

Premises: 525 WEST 27 STREET MANHATTAN  
 BIN: [1012416](#) Block: 699 Lot: 49

Filed At: 526 WEST 28 STREET , MANHATTAN , NY 10001  
 Community Board: 104

### ECB Violation Summary

### VIOLATION RESOLVED

ECB Violation Number: 38143155J

Severity: NON-HAZARDOUS

Certification Status: CURE ACCEPTED

Hearing Status: CURED/IN-VIO

Penalty Balance Due: \$0.00

### Respondent Information

Name: RN REALTY LLC  
 Mailing Address: 530 WEST 28 STREET , NY , NY 10001

### Violation Details

Violation Date: 11/05/2003      Violation Type: ELEVATOR  
 Served Date: 11/05/2003      Inspection Unit: ELEVATOR DIVISION  
 Device Type: ELEVATOR  
 Device Number: [1F2660](#)

Infraction Codes	Section of Law	Standard Description
<a href="#">BP7</a>	27-987	FAILURE TO MAINTAIN ELEVATOR

#### Specific Violation Condition(s) and Remedy:

21B01,51B14,51B14,60D06,55Y13,66M07. 21-ADJUST 1ST-4TH FLOOR HOISTWAYDOOR INTERLOCKS (51)SHORTEN HOIST CABLES. 52-SHORTEN GOVERNOR CABLE. 60-PROPERLY REWIRE MAINLINE DISCONNECT SWITCH. 55-SEAL AND CLEAN MACHIN

Issuing Inspector ID: 1352      DOB Violation Number: 110503E1352A01  
 Issued as Aggravated Level: NO

### Dept. of Buildings Compliance Information

Certification Status: CURE ACCEPTED  
 Compliance On: 11/25/2003

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

### ECB Hearing Information

Scheduled Hearing Date: 12/18/2003      Hearing Status: CURED/IN-VIO  
 Hearing Time: 10:30

### ECB Penalty Information

<b>Penalty Imposed:</b>	\$0.00
<b>Adjustments:</b>	\$0.00
<b>Amount Paid:</b>	\$0.00
<b>Penalty Balance Due:</b>	\$0.00

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### ECB Violation History

#### Compliance Events

#### Hearing Events

<b>Cure (pre-hearing):</b>	11/25/2003
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## NYC Department of Buildings

### ECB Violation Details

Premises: 525 WEST 27 STREET MANHATTAN  
 BIN: [1012416](#) Block: 699 Lot: 49

Filed At: 530 WEST 28 STREET , MANHATTAN , NY 10001

Community Board: 104

### ECB Violation Summary

### VIOLATION RESOLVED

ECB Violation Number: 34402787X

Severity: NON-HAZARDOUS

Certification Status: N/A - DISMISSED

Hearing Status: DISMISSED

Penalty Balance Due: \$0.00

### Respondent Information

Name: 530 WEST 28 ST LP  
 Mailing Address: 530 WEST 28 STREET , NY , NY 10001

### Violation Details

Violation Date: 01/23/2004      Violation Type: CONSTRUCTION  
 Served Date: 01/24/2004      Inspection Unit: EMERGENCY RESPONSE TEAM (ERT)

#### Infraction Codes

#### Section of Law

#### Standard Description

[B03](#)

27-217

OCCUPANCY CONTRARY TO THAT ALLOWED BY THE C OF O BLDG DEPT RECORDS

#### Specific Violation Condition(s) and Remedy:

OCCUPANCY CONTRARY TO THAT ALLOWED BY THE CERTIFICATE OF OCCUPANCY TCO103453264T ISSUED DEC 10-2003 3RD FLOOR EATING AND DRINKING 4TH FLOOREATING AND DRINKING 3RF FLOOR STORAGE AND DRESSING ROOMS 4TH FLOOR OFF

Issuing Inspector ID: 0240

DOB Violation Number: 012304CERRH02

Issued as Aggravated Level: NO

### Dept. of Buildings Compliance Information

Certification Status: N/A - DISMISSED

Compliance On:

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

### ECB Hearing Information

Scheduled Hearing Date: 08/19/2004

Hearing Status: DISMISSED

Hearing Time: 8:30

### ECB Penalty Information

Penalty Imposed: \$0.00

<b>Adjustments:</b>	\$0.00
<b>Amount Paid:</b>	\$80.00
<b>Penalty Balance Due:</b>	\$0.00

---

## ECB Violation History

### Compliance Events

### Hearing Events

<b>Hearing Assigned On:</b>	08/19/2004
<b>Adjourned:</b>	03/11/2004
<b>Default:</b>	06/08/2004

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## NYC Department of Buildings

### ECB Violation Details

Premises: 525 WEST 27 STREET MANHATTAN  
 BIN: [1012416](#) Block: 699 Lot: 49

Filed At: 530 WEST 28 STREET , MANHATTAN , NY 10001  
 Community Board: 104

### ECB Violation Summary

**VIOLATION OPEN**

ECB Violation Number: 34471232L

Severity: NON-HAZARDOUS

Certification Status: NO COMPLIANCE RECORDED

Hearing Status: STIPULATION/IN-VIO

Penalty Balance Due: \$0.00

### Respondent Information

Name: RN REALTY  
 Mailing Address: 526 WEST 28 STREET , NY , NY 10001

### Violation Details

Violation Date: 05/01/2005      Violation Type: PUBLIC ASSEMBLY  
 Served Date: 05/01/2005      Inspection Unit: EMERGENCY RESPONSE TEAM (ERT)

Infraction Codes	Section of Law	Standard Description
<a href="#">B65</a>	27-201	PLACE OF ASSEMBLY CONTRARY TO APPROVED PLAN

#### Specific Violation Condition(s) and Remedy:

PLACE OF ASSEMBLY CONTRARY TO APPROVED PLAN. # 103607205. NOTED: AT FIRST FLOOR NEAR 28 ST ENTRANCES AND MEANS OF EGRESS, NEXT TO 1ST FLOORCOAT-CHECK, FLOOR TO CEILING PENETRATION APPROX. 36"WIDE MADE IN RATED

Issuing Inspector ID: 0338      DOB Violation Number: 050105PAERM09  
 Issued as Aggravated Level: NO

### Dept. of Buildings Compliance Information

Certification Status: NO COMPLIANCE RECORDED  
 Compliance On:

[Stipulated Compliance Due Date:](#) 08/30/2005

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

### ECB Hearing Information

Scheduled Hearing Date: 06/16/2005      Hearing Status: STIPULATION/IN-VIO  
 Hearing Time: 10:30

### ECB Penalty Information

Penalty Imposed: \$130.00

**Adjustments:** \$0.00  
**Amount Paid:** \$130.00  
**Penalty Balance Due:** \$0.00

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### ECB Violation History

Compliance Events	Hearing Events
Stipulation (pre-hearing):	06/16/2005

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## NYC Department of Buildings

### ECB Violation Details

Premises: 525 WEST 27 STREET MANHATTAN  
 BIN: [1012416](#) Block: 699 Lot: 49

Filed At: 530 WEST 28 STREET , MANHATTAN , NY 10001

Community Board: 104

### ECB Violation Summary

**VIOLATION OPEN**

ECB Violation Number: 34516656L

Severity: NON-HAZARDOUS

Certification Status: NO COMPLIANCE RECORDED

Hearing Status: IN VIOLATION

Penalty Balance Due: \$0.00

### Respondent Information

Name: OWNER OF 530 WEST 28 ST  
 Mailing Address: 530 WEST 28 STREET , NY , NY 10001

### Violation Details

Violation Date: 07/21/2006      Violation Type: PUBLIC ASSEMBLY  
 Served Date: 07/21/2006      Inspection Unit: EMERGENCY RESPONSE TEAM (ERT)

Infraction Codes	Section of Law	Standard Description
<a href="#">B81</a>	27-542	EMERGENCY LIGHTING IS INOPERATIVE OR DEFECTIVE

#### Specific Violation Condition(s) and Remedy:

EMERGENCY LLIGHTING IS INOPERATIVE TRIPLE PACK C3 LITE EMERGENCY LITE@ EAST SECONDARY EXIT IS IN OPERATIVE @ TIME OF INSPECTION REMEDY:REPAIR EMERGENCY LITES AS INDICATE FORTHWITH

Issuing Inspector ID: 0270      **DOB Violation Number:** 072106CNEGA05  
 Issued as Aggravated Level: NO

### Dept. of Buildings Compliance Information

Certification Status: NO COMPLIANCE RECORDED  
 Compliance On:

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

### ECB Hearing Information

Scheduled Hearing Date: 12/14/2006      Hearing Status: IN VIOLATION  
 Hearing Time: 10:30

### ECB Penalty Information

Penalty Imposed: \$180.00  
 Adjustments: \$0.00  
 Amount Paid: \$180.00

Penalty Balance Due: \$0.00

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## ECB Violation History

### Compliance Events

### Hearing Events

Hearing Assigned On:	10/30/2006
Default:	09/12/2006

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## NYC Department of Buildings

### ECB Violation Details

Premises: 525 WEST 27 STREET MANHATTAN  
 BIN: [1012416](#) Block: 699 Lot: 49

Filed At: 530 WEST 28 STREET , MANHATTAN , NY 10001  
 Community Board: 104

### ECB Violation Summary

**VIOLATION RESOLVED**

ECB Violation Number: 34575523H

Severity: NON-HAZARDOUS

Certification Status: CURE ACCEPTED

Hearing Status: CURED/IN-VIO

Penalty Balance Due: \$0.00

### Respondent Information

Name: OWNER OF PREMISES 530 WES  
 Mailing Address: 530 WEST 28 STREET , NY , NY 10001

### Violation Details

Violation Date: 06/18/2007      Violation Type: PUBLIC ASSEMBLY  
 Served Date: 06/17/2007      Inspection Unit: EMERGENCY RESPONSE TEAM (ERT)

Infraction Codes	Section of Law	Standard Description
<a href="#">B81</a>	27-542	EMERGENCY LIGHTING IS INOPERATIVE OR DEFECTIVE

#### Specific Violation Condition(s) and Remedy:

EMERGENCY LIGHTING IS IN OPERATIVE/ EFFECTIVE.EXIT LIGHTING/EMERGENCYLIGHTING GOING OUT WEST 28 ST SIDE NOT OPERATING. REMEDY:REPAIR ALL DEFECTIVE EMERGENCY LIGHTING.

Issuing Inspector ID: 1710

DOB Violation Number: 061707PAERTZ01

Issued as Aggravated Level: NO

### Dept. of Buildings Compliance Information

Certification Status: CURE ACCEPTED

Compliance On: 07/27/2007

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

### ECB Hearing Information

Scheduled Hearing Date: 08/09/2007      Hearing Status: CURED/IN-VIO  
 Hearing Time: 10:30

### ECB Penalty Information

Penalty Imposed: \$0.00  
 Adjustments: \$0.00  
 Amount Paid: \$0.00

Penalty Balance Due: \$0.00

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## ECB Violation History

### Compliance Events

Cure (pre-hearing):

07/27/2007

### Hearing Events

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**BUREAU OF BUILDINGS**  
**BOROUGH OF MANHATTAN, CITY OF NEW YORK**

64 **CERTIFICATE OF OCCUPANCY No. 888 191**

THIS CERTIFIES that the building located on Block 699 Lot <sup>16-19</sup>/<sub>49</sub> known as 525-51 West 27 Street, 100' front,

conforms substantially to the approved plans and specifications of A.L. Application No. 2212 1915 and to all the requirements of the BUILDING CODE AND BUILDING ZONE RESOLUTION of the City of New York ~~and~~ and the Industrial Code of the State of New York for a fireproof 1 story Factory.

and that the several floors may sustain the live loads, accommodate the number of persons, and be occupied as follows:

FLOORS	Live Load per Square Foot in POUNDS	Number of PERSONS	OCCUPANCY
1st floor	120	50	FACTORY

**SUPERSEDED**  
**BY C.O. 5157**

NO. 1000  
*J. J. White*  
 5/21/15

This certificate is issued to **The E. R. Merrill Spring Co.,** owner of the aforesaid building, address **532 West 28 St., N.Y. City.**

in accordance with the provisions of Section 5, Article 1, Chapter 5 of the Code of Ordinances of the City of New York, and Chapter 503, Section 411-a of the Greater New York Charter.

DATED **May 31, 1918/**

*[Signature]*  
 Superintendent of Buildings

UNITED STATES DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D. C. 20535

TO : DIRECTOR, FBI (100-442610)

FROM : SAC, NEW YORK (100-100000)

SUBJECT: [Illegible]

RE: [Illegible]

[Illegible text block]

DEPARTMENT OF BUILDINGS

BOROUGH OF MANHATTAN, THE CITY OF NEW YORK

No. 56072

Date July 16, 1962

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C.26-181.0 to C.26-187.0 inclusive Administrative Code 2.13.1. to 2.13.7. Building Code.)

This certificate supersedes C. O. No. 888

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~new~~ ~~altered~~ ~~existing~~ ~~building~~ ~~premises~~ located at

~~526-532 West 28th Street~~ ~~Lot 49~~ ~~Block 699~~  
 525-531 West 27th Street - 526-532 West 28th Street Lot 49  
 conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

N.B. or Alt. No. ~~XXXXX~~ 14-1960

Construction classification—Class 1- Fireproof

Occupancy classification—Commercial Building

Height, 4

stories, 44

Class 3-Non-Fireproof

Date of completion— July 12, 1962

Located in Unrestricted

Use District.

Area 2

Height Zone at time of issuance of permit 20-1960

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calculating numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY Cal. # 225-61-A

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED			USE
		MALE	FEMALE	TOTAL	
<del>#526-532 West 28th Street</del> <del>Class 3 Non Fireproof Building</del>					
Cellar(part)	On ground				To remain vacant.
1st story	On ground & 200			10	Trucking terminal and warehouse.
2nd story	120			10	Offices and ware house.
3rd story	120			5	Warehouse.
4th story	120			5	Warehouse.
<del># 525-531 West 27th Street</del> <del>Class 1, Fireproof Building</del>					
1st story	On ground			10	Garage for more than five (5) motor vehicles and trucking terminal.  Sprinkler System approved by Fire Department July 11, 1962
Sec 6.1.2.3 sub 1 of Building Code, C.26-273.0 Adm. Code "Prior to the occupancy of any structure erected or altered after January 1, 1938, the authorities shall require that the floor of said structure at the level of the main entrance shall be permanently posted under glass and maintained in accordance with the provisions of such structures."					

69390

*[Signature]*  
 Borough Superintendent

**NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT**

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

ac

DEPARTMENT OF BUILDINGS

BOROUGH OF MANHATTAN, THE CITY OF NEW YORK

Date

August 14, 1970

No. 69390

CERTIFICATE OF OCCUPANCY

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

This certificate supersedes C. O. No. 56072

THIS CERTIFIES that the ~~new~~ altered ~~existing~~ building—premises located at  
525-531 West 27th St; 526-532 West 28th St. Block 699 Lot 49

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the north side of West 27th Street  
distant 325' feet west from the corner formed by the intersection of  
10th Avenue and West 27th Street  
running thence north 197'-6" feet; thence west 100' feet;  
thence south 98'-9" feet; thence east 5'-0" feet;  
running thence south 98'-9" feet; thence east 95'-0" feet;

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent. ~~Class 3-Nonfireproof~~ ~~Class 1~~  
Alt. No.— 1311-1968 Construction classification— ~~Class 1~~  
Occupancy classification— Commercial Height 4 & 1 stories, 44' fireproof feet.  
Date of completion— June 6, 1970 Located in M 1-5 29' Zoning District.  
at time of issuance of permit. 6231-1968; 5360-1969

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals:  
and The City Planning Commission:

(Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces .....  
Off-Street Loading Berths ..... See Below

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
<u>526-532 West 28th St. Class 3-Nonfireproof Building</u>			
Clr. (part)	On Ground		Accessory storage, part unexcavated.
1st	On Ground & 200	10	Accessory truck terminal and warehouse, Use group 16, Scenery construction, Use group 17.
2nd	120	10	Offices and warehouse, Use group 17.
3rd	120	5	Warehouse, Use group 16. Machine shop, Use group 16.
4th	120	5	Warehouse, Use group 16.
<u>525-531 West 27th Street-Class 1-Fireproof building.</u>			
1st	On Ground	10	Sign and Display making, Scenery Construction, Use group 17, Loading and unloading, Use group 17.

FIRE DEPARTMENT APPROVAL:  
Sprinkler System-July 11, 1962.

*William Chaney*

Borough Superintendent

OFFICE COPY—DEPARTMENT OF BUILDINGS

THE DEPARTMENT OF BUILDINGS HAS REVIEWED THIS CERTIFICATE WITH THE RULES OF THE ZONING RESOLUTION AND THE ZONING RESOLUTION AS AMENDED MARCH 31ST, 1967.





# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: MARCH 10, 2004

No: 103453264-T-1

This certificate superceded C.O. No 103453264-T

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
1ST FLOOR	O.G	10			17		525-531 WEST 27TH STREET SING & DISPLAY MAKING, SCENERY COSTRUCTION, UG17, LOADING AND UNLOADING, UG 17,
CELLAR (PART)	O.G						526-532 WEST 28TH STREET ACCESSORY STORAGE, PART UNEXCAVATED
1ST FLOOR	100	2151	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
2ND FLOOR	100	100	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
MEZZ. 1	100	56	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
MEZZ. 2	100	441	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
MEZZ. 3	100	61	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED  
THIS CERTIFICATE OF OCCUPANCY ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS  
NOTED ON THE REVERSE SIDE

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 197.50'</u>	feet; thence	<u>WEST 100</u>	feet;
thence	<u>SOUTH 98.75'</u>	Feet; thence	<u>EAST 5'</u>	feet;
thence	<u>SOUTH 98.75'</u>	Feet; thence	<u>EAST 95'</u>	feet;
thence		feet; thence		feet;
thence		feet; thence		feet;

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

- A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

- A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: MARCH 10, 2004

No: 103453264-T-1

This certificate superceded C.O. No. 103453264-T

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

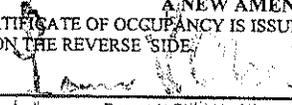
## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
MEZZ. 4	100	0	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
3RD FLOOR	100	169	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
4TH FLOOR	100	63	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
							TEMPORARY CERTIFICATE OF OCCUPANCY
							TERMS: NINETY (90) DAYS
							EXPIRES: JUNE 10, 2004
							THIS CERTIFICATE OF OCCUPANCY MUST BE POSTED WITHIN THE BUILDING IN ACCORDANCE WITH THE RULES OF THE DEPARTMENT PROMULGATED MARCH 10, 2004

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

 Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST \_\_\_\_\_ feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 197.50'</u>	feet; thence	<u>WEST 100</u>	feet;
thence	<u>SOUTH 98.75'</u>	Feet; thence	<u>EAST 5'</u>	feet;
thence	<u>SOUTH 98.75'</u>	Feet; thence	<u>EAST 95'</u>	feet;
thence	_____	feet; thence	_____	feet;
thence	_____	feet; thence	_____	feet;

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

- A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

- A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	_____
--	-------

CITY PLANNING COMMISSION CAL. NO	_____
----------------------------------	-------

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: DECEMBER 10, 2003

No: 103453264-T

This certificate superceded C.O. No 69390

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
1ST FLOOR	O.G.	10			17		525-531 WEST 27TH STREET SIGN & DISPLAY MAKING, SCENERY COSTRUCTION, UG17, LOADING AND UNLOADING, UG 17,
CELLAR (PART)	O.G.						526-532 WEST 28TH STREET ACCESSORY STORAGE, PART UNEXCAVATED
1ST FLOOR	100	2151	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
2ND FLOOR	100	100	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
MEZZ. 1	100	56	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
MEZZ. 2	100	441	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
MEZZ. 3	100	61	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED  
THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS  
NOTED ON THE REVERSE SIDE.

Commissioner

Commissioner

MAN 32

A.I.A.

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST feet from the corner formed by the intersection of 10TH AVENUE and WEST 27TH STREET

running thence	NORTH 197.50'	feet; thence	WEST 100	feet;
thence	SOUTH 98.75'	feet; thence	EAST 5'	feet;
thence	SOUTH 98.75'	feet; thence	EAST 95'	feet;
thence		feet; thence		feet;
thence		feet; thence		feet;

To the point or place of beginning

N.B. or Alt. No. ALT: 103453264  
 N.B. or Alt. No. \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

- A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

- A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: DECEMBER 10, 2003

No: 103453264-T

This certificate superceded C.O. No 69390

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
MEZZ. 4	100	0	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
3RD FLOOR	100	169	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
4TH FLOOR	100	63	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
							TEMPORARY CERTIFICATE OF OCCUPANCY, TERMS: NINETY (90) DAYS EXPIRES: MARCH 10, 2004

THIS CERTIFICATE OF OCCUPANCY MUST BE POSTED WITHIN THE BUILDING IN ACCORDANCE WITH THE RULES OF THE DEPARTMENT PROMULGATED MARCH 3, 1967.

#### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES. NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE

*[Signature]*  
COMMISSIONER  
Borough Commissioner

*[Signature]*  
COMMISSIONER  
MAN-32  
Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST feet from the corner formed by the intersection of 10TH AVENUE and WEST 27TH STREET

running thence NORTH 197.50' feet; thence WEST 100 feet;  
 thence SOUTH 98.75' feet; thence EAST 5' feet;  
 thence SOUTH 98.75' feet; thence EAST 95' feet;  
 thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;  
 To the point or place of beginning \_\_\_\_\_ feet;

N.B. or Alt. No. ALT: 103453264  
 N.B. or Alt. No. \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO.	
---	--

CITY PLANNING COMMISSION CAL. NO.	
-----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: MARCH 10, 2004

No: 103453264-T-1

This certificate superceded C.O. No 103453264-T

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
							525-531 WEST 27TH STREET
1ST FLOOR	0.60	100			170		SIGN & DISPLAY MAKING, UG SCENERY CONSTRUCTION, UG LOADING AND UNLOADING, UG 17, U
							526-532 WEST 28TH STREET
CELLAR (PART)	0.60						ACCESSORY STORAGE, PART UNEXCAVATED
1ST FLOOR	100	215			12A	F-4	EATING & DRINKING EST. (CABARET)
2ND FLOOR	100	100			12A	F-4	EATING & DRINKING EST. (CABARET)
MEZZ. 1	100	56			12A	F-4	EATING & DRINKING EST. (CABARET)
MEZZ. 2	100	44			12A	F-4	EATING & DRINKING EST. (CABARET)
MEZZ. 3	100	61			12A	F-4	EATING & DRINKING EST. (CABARET)

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

**NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
 A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED**

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST feet from the corner formed by the intersection of 10TH AVENUE and WEST 27TH STREET

running thence NORTH 197.50' feet: thence WEST 100 feet:  
 thence SOUTH 99.75' Feet: thence EAST 5' feet:  
 thence SOUTH 99.75' Feet: thence EAST 95' feet:  
 thence \_\_\_\_\_ feet: thence \_\_\_\_\_ feet:  
 thence \_\_\_\_\_ feet: thence \_\_\_\_\_ feet:

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL NO \_\_\_\_\_

CITY PLANNING COMMISSION CAL NO \_\_\_\_\_

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: MARCH 10, 2004

No: 103453264-T-1

This certificate superceded C.O. No 103453264-T

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
MEZZ. 4	100	0	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
3RD FLOOR	100	1690	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)
4TH FLOOR	100	63	0	0	12A	F-4	EATING & DRINKING EST. (CABARET)

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

**NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED**

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 197.50'</u>	feet: thence	<u>WEST 100</u>	feet:
thence	<u>SOUTH 98.75'</u>	feet: thence	<u>EAST 5'</u>	feet:
thence	<u>SOUTH 98.75'</u>	feet: thence	<u>EAST 95'</u>	feet:
thence	_____	feet: thence	_____	feet:
thence	_____	feet: thence	_____	feet:

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO \_\_\_\_\_

CITY PLANNING COMMISSION CAL. NO \_\_\_\_\_

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: MARCH 10, 2004

No: 103453264-T-1

This certificate superceded C.O. No 103453264-T

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

**OPEN SPACE USES**

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

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*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
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distant 325' WEST feet from the corner formed by the intersection of 10TH AVENUE and WEST 27TH STREET

running thence	NORTH 197.50'	feet: thence	WEST 100	feet:
thence	SOUTH 98.75'	Feet: thence	EAST 5'	feet:
thence	SOUTH 98.75'	Feet: thence	EAST 95'	feet:
thence		feet: thence		feet:
thence		feet: thence		feet:

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No Date of completion Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

- A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

- A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: MARCH 10, 2004

No: 103453264-T-1

This certificate superceded C.O. No 103453264-T

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

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*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 197.56'</u>	feet: thence	<u>WEST 100</u>	feet;
thence	<u>SOUTH 98.75'</u>	feet: thence	<u>EAST 5'</u>	feet;
thence	<u>SOUTH 98.75'</u>	feet: thence	<u>EAST 95'</u>	feet;
thence	_____	feet: thence	_____	feet;
thence	_____	feet: thence	_____	feet;

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification E-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO \_\_\_\_\_

CITY PLANNING COMMISSION CAL. NO \_\_\_\_\_

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: JUNE 8, 2004

No: 103453264-T-2

This certificate superceded C.O. No 103453264-T-1

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
							525-531 WEST 27TH STREET
1ST FLOOR	0.60	100			170		SIGN & DISPLAY MAKING, U SCENERY CONSTRUCTION, UG17, U LOADING AND UNLOADING, UG U 17, U
							526-532 WEST 28TH STREET
							ACCESSORY STORAGE, PART U UNEXCAVATED U
CELLAR (PART)	0.60						
1ST FLOOR	100	2150	00	00	12A0	F-40	EATING & DRINKING EST. U (CABARET) U
2ND FLOOR	100	1000	00	00	12A0	F-40	EATING & DRINKING EST. U (CABARET) U
MEZZ. 10	100	560	00	00	12A0	F-40	EATING & DRINKING EST. U (CABARET) U
MEZZ. 20	100	440	00	00	12A0	F-40	EATING & DRINKING EST. U (CABARET) U
MEZZ. 3	100	61	0	0	12A	F-4	EATING & DRINKING EST. U (CABARET)

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

**NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED**

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST feet from the corner formed by the intersection of 10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 197.50'</u>	feet: thence	<u>WEST 100</u>	feet:
thence	<u>SOUTH 98.75'</u>	feet: thence	<u>EAST 5'</u>	feet:
thence	<u>SOUTH 98.75'</u>	feet: thence	<u>EAST 95'</u>	feet:
thence		feet: thence		feet:
thence		feet: thence		feet:

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: JUNE 8, 2004

No: 103453264-T-2

This certificate superceded C.O. No 103453264-T-1

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

**CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.**

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
MEZZ. 40	1000	00	00	00	12A0	F-40	EATING & DRINKING EST. ( ) (CABARET)( )
( )	( )	( )	( )	( )	( )	( )	( )
( )	( )	( )	( )	( )	( )	( )	( )
3RD FLOOR( )	1000	1690	00	00	12A0	F-40	EATING & DRINKING EST. ( ) (CABARET)( )
( )	( )	( )	( )	( )	( )	( )	( )
( )	( )	( )	( )	( )	( )	( )	( )
4TH FLOOR	100	63	0	0	12A	F-4	EATING & DRINKING EST. ( ) (CABARET)( ) ( ) ( ) ( ) TEMPORARY CERTIFICATE OF ( ) OCCUPANCY( ) ( ) TERMS: NINETY (90) DAYS( ) ( ) EXPIRES: SEPTEMBER 8, 2004

**OPEN SPACE USES**

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

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*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
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distant 325' WEST feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence NORTH 197.50' feet: thence WEST 100 feet;  
 thence SOUTH 98.75' feet: thence EAST 5' feet;  
 thence SOUTH 98.75' feet: thence EAST 98' feet;  
 thence \_\_\_\_\_ feet: thence \_\_\_\_\_ feet;  
 thence \_\_\_\_\_ feet: thence \_\_\_\_\_ feet;

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification E-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

- A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

- A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: JUNE 8, 2004

No: 103453264-T-2

This certificate superceded C.O. No 103453264-T-1

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

#### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

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*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

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THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
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distant 325' WEST feet from the corner formed by the intersection of 10TH AVENUE and WEST 27TH STREET

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thence	SOUTH 98.75'	feet; thence	EAST 5'	feet;
thence	SOUTH 98.75'	feet; thence	EAST 95'	feet;
thence		feet; thence		feet;
thence		feet; thence		feet;

To the point or place of beginning

N.B. or Alt. No ALT: 103453264

N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

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YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
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SANITARY DRAINAGE DISCHARGES INTO:

- A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: JUNE 8, 2004

No: 103453264-T-2

This certificate superceded C.O. No 103453264-T-1

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 29TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

#### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

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*Lama V. Denis*

*[Signature]*

Borough Commissioner

Commissioner

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COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
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distant 325' WEST feet from the corner formed by the intersection of 10TH AVENUE and WEST 27TH STREET

running thence	NORTH 157.50'	feet: thence	WEST 100	feet:
thence	SOUTH 96.75'	Feet: thence	EAST 5'	feet:
thence	SOUTH 96.75'	Feet: thence	EAST 95'	feet:
thence		feet: thence		feet:
thence		feet: thence		feet:

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

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	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: SEPTEMBER 9, 2004

No: 103453264-T-3

This certificate superceded C.O. No. 103453264-T-2

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
0	0	0	0	0	0	0	525-531 WEST 27TH STREET
0	0	0	0	0	0	0	0
1ST FLOOR	0.60	100	0	0	17B	0	STING & DISPLAY MAKING, (U)
0	0	0	0	0	0	0	SCENERY CONSTRUCTION, UG17, (U)
0	0	0	0	0	0	0	LOADING AND UNLOADING, UG (U)
0	0	0	0	0	0	0	17, (U)
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	526-532 WEST 28TH STREET
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	ACCESSORY STORAGE, PART (U)
CELLAR (PART)	0.60	0	0	0	0	0	UNEXCAVATED
0	0	0	0	0	0	0	0
1ST FLOOR	100	2151	00	00	12A0	F-40	EATING & DRINKING EST. (U)
0	0	0	0	0	0	0	(CABARET) (U)
0	0	0	0	0	0	0	0
2ND FLOOR	100	100	00	00	12A0	F-40	EATING & DRINKING EST. (U)
0	0	0	0	0	0	0	(CABARET) (U)
0	0	0	0	0	0	0	0
MEZZ. 10	100	560	00	00	12A0	F-40	EATING & DRINKING EST. (U)
0	0	0	0	0	0	0	(CABARET) (U)
0	0	0	0	0	0	0	0
MEZZ. 20	100	441	00	00	12A0	F-40	EATING & DRINKING EST. (U)
0	0	0	0	0	0	0	(CABARET) (U)
0	0	0	0	0	0	0	0
MEZZ. 3	100	61	0	0	12A	F-4	EATING & DRINKING EST. (U)
0	0	0	0	0	0	0	(CABARET)

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

**NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED**

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 197.50'</u>	feet; thence	<u>WEST 100</u>	feet;
thence	<u>SOUTH 98.75'</u>	Feet; thence	<u>EAST 5'</u>	feet;
thence	<u>SOUTH 98.75'</u>	Feet; thence	<u>EAST 95'</u>	feet;
thence		feet; thence		feet;
thence		feet; thence		feet;

To the point or place of beginning

N.B. or Alt. No ALT: 103453264

N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: SEPTEMBER 9, 2004

No: 103453264-T-3

This certificate superceded C.O. No 103453264-T-2

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
MEZZ. 4TH	1000	00	00	00	12AD	F-40	EATING & DRINKING EST. ( ) (CABARET)( )
( )	( )	( )	( )	( )	( )	( )	( )
( )	( )	( )	( )	( )	( )	( )	( )
3RD FLOOR( )	1000	1690	00	00	12AD	F-40	EATING & DRINKING EST. ( ) (CABARET)( )
( )	( )	( )	( )	( )	( )	( )	( )
( )	( )	( )	( )	( )	( )	( )	( )
4TH FLOOR	100	63	0	0	12A	F-4	EATING & DRINKING EST. ( ) (CABARET)( ) ( ) ( ) ( ) TEMPORARY CERTIFICATE OF ( ) OCCUPANCY( ) ( ) TERMS: NINETY (90) DAYS( ) ( ) EXPIRES: DECEMBER 9, 2004

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

**NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED**

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 197.50'</u>	feet; thence	<u>WEST 100</u>	feet;
thence	<u>SOUTH 98.75'</u>	feet; thence	<u>EAST 5'</u>	feet;
thence	<u>SOUTH 98.75'</u>	feet; thence	<u>EAST 95'</u>	feet;
thence		feet; thence		feet;
thence		feet; thence		feet;

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

- A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

- A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: SEPTEMBER 9, 2004

No: 103453264-T-3

This certificate superceded C.O. No 103453264-T-2

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at

530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

**NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED**

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Laura V. Dorio*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST \_\_\_\_\_ feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 197.50'</u>	feet: thence	<u>WEST 100</u>	feet:
thence	<u>SOUTH 96.75'</u>	feet: thence	<u>EAST 5'</u>	feet:
thence	<u>SOUTH 96.75'</u>	feet: thence	<u>EAST 95'</u>	feet:
thence	_____	feet: thence	_____	feet:
thence	_____	feet: thence	_____	feet:

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-WFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: SEPTEMBER 9, 2004

No: 103453264-T-3

This certificate superceded C.O. No 103453264-T-2

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

#### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

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*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST \_\_\_\_\_ feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence NORTH 197.50' feet; thence WEST 100 feet;  
 thence SOUTH 96.75' feet; thence EAST 5' feet;  
 thence SOUTH 96.75' feet; thence EAST 95' feet;  
 thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;  
 thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: DECEMBER 2, 2004

No: 103453264-T-4

This certificate superceded C.O. No 103453264-T-3

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
0	0	0	0	0	0	0	525-531 WEST 27TH STREET U
0	0	0	0	0	0	0	U
1ST FLOOR	0.00	100	0	0	170	0	SIGN & DISPLAY MAKING, (U)
0	0	0	0	0	0	0	SCENERY CONSTRUCTION, UG17,U
0	0	0	0	0	0	0	LOADING AND UNLOADING, UG 0
0	0	0	0	0	0	0	17,U
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	526-532 WEST 28TH STREET U
0	0	0	0	0	0	0	U
0	0	0	0	0	0	0	ACCESSORY STORAGE, PART U
CELLAR (PART)	0.00	0	0	0	0	0	UNEXCAVATED U
0	0	0	0	0	0	0	U
1ST FLOOR	100	215U	00	00	12AU	F-4U	EATING & DRINKING EST. (U)
0	0	0	0	0	0	0	(CABARET)U
0	0	0	0	0	0	0	U
2ND FLOOR	100	100U	0U	0U	12AU	F-4U	EATING & DRINKING EST. (U)
0	0	0	0	0	0	0	(CABARET)U
0	0	0	0	0	0	0	U
MEZZ. 10	100	56U	0U	0U	12AU	F-4U	EATING & DRINKING EST. (U)
0	0	0	0	0	0	0	(CABARET)U
0	0	0	0	0	0	0	U
MEZZ. 20	100	44U	0U	0U	12AU	F-4U	EATING & DRINKING EST. (U)
0	0	0	0	0	0	0	(CABARET)U
0	0	0	0	0	0	0	U
MEZZ. 3	100	61	0	0	12A	F-4	EATING & DRINKING EST. (U)
							(CABARET)

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

**NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED**

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 197.50'</u>	feet: thence	<u>WEST 100</u>	feet:
thence	<u>SOUTH 98.75'</u>	Feet: thence	<u>EAST 5'</u>	feet:
thence	<u>SOUTH 98.75'</u>	Feet: thence	<u>EAST 95'</u>	feet:
thence		feet: thence		feet:
thence		feet: thence		feet:

To the point or place of beginning

N.B. or Alt. No ALT: 103453264

N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: DECEMBER 2, 2004

No: 103453264-T-4

This certificate superceded C.O. No 103453264-T-3

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
MEZZ. 40	100	0	0	0	12A	F-40	EATING & DRINKING EST. (1) (CABARET) (1)
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
3RD FLOOR	100	169	0	0	12A	F-40	EATING & DRINKING EST. (1) (CABARET) (1)
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
4TH FLOOR	100	63	0	0	12A	F-4	EATING & DRINKING EST. (1) (CABARET) (1)
							TEMPORARY CERTIFICATE OF (1) OCCUPANCY (1)
							TERMS: NINETY (90) DAYS (1)
							EXPIRES: MARCH 2, 2005

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

**NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
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*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 197.50'</u>	feet: thence	<u>WEST 100</u>	feet:
thence	<u>SOUTH 98.75'</u>	Feet: thence	<u>EAST 5'</u>	feet:
thence	<u>SOUTH 98.75'</u>	Feet: thence	<u>EAST 95'</u>	feet:
thence		feet: thence		feet:
thence		feet: thence		feet:

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO \_\_\_\_\_

CITY PLANNING COMMISSION CAL. NO \_\_\_\_\_

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: DECEMBER 2, 2004

No: 103453264-T-4

This certificate superceded C.O. No 103453264-T-3 ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

#### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

**NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED**

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST \_\_\_\_\_ feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 197.50'</u>	feet: thence	<u>WEST 100</u>	feet:
thence	<u>SOUTH 98.75'</u>	Feet: thence	<u>EAST 5'</u>	feet:
thence	<u>SOUTH 98.75'</u>	Feet: thence	<u>EAST 95'</u>	feet:
thence	_____	feet: thence	_____	feet:
thence	_____	feet: thence	_____	feet:

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT: 103453264

Borough: MANHATTAN

Date: DECEMBER 2, 2004

No: 103453264-T-4

This certificate superceded C.O. No 103453264-T-3

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

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### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

#### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

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*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

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COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
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distant 325' WEST feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 157.50'</u>	feet; thence	<u>WEST 100</u>	feet;
thence	<u>SOUTH 96.75'</u>	Feet; thence	<u>EAST 5'</u>	feet;
thence	<u>SOUTH 96.75'</u>	Feet; thence	<u>EAST 95'</u>	feet;
thence		feet; thence		feet;
thence		feet; thence		feet;

To the point or place of beginning

N.B. or Alt. No ALT: 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion \_\_\_\_\_ Construction classification CLASS 3-NFP

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT 103453264

Borough: MANHATTAN

Date: JANUARY 18, 2005

No: 103453264

This certificate supercedes C.O. No 103453264-T-4

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

## PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
0	0	0	0	0	0	0	525-531 WEST 27TH STREET
0	0	0	0	0	0	0	0
1ST FLOOR	0.00	100	0	0	170	0	SIGN & DISPLAY MAKING, U
0	0	0	0	0	0	0	SCENERY CONSTRUCTION, UG17,0
0	0	0	0	0	0	0	LOADING AND UNLOADING, UG 0
0	0	0	0	0	0	0	17,0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	526-532 WEST 28TH STREET
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	ACCESSORY STORAGE, PART 0
CELLAR (PART)	0.00	0	0	0	0	0	UNEXCAVATED
0	0	0	0	0	0	0	0
1ST FLOOR	100	2150	00	00	12A0	F-40	EATING & DRINKING EST. 0
0	0	0	0	0	0	0	(CABARET)0
0	0	0	0	0	0	0	0
MEZZ. 10	100	560	00	00	12A0	F-40	EATING & DRINKING EST. 0
0	0	0	0	0	0	0	(CABARET)0
0	0	0	0	0	0	0	0
MEZZ. 20	100	440	00	00	12A0	F-40	EATING & DRINKING EST. 0
0	0	0	0	0	0	0	(CABARET)0
0	0	0	0	0	0	0	0
2ND FLOOR	100	1000	00	00	12A0	F-40	EATING & DRINKING EST. 0
0	0	0	0	0	0	0	(CABARET)0
0	0	0	0	0	0	0	0
MEZZ. 3	100	61	0	0	12A	F-4	EATING & DRINKING EST. 0
							(CABARET)

### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

**NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED**

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*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST \_\_\_\_\_ feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 197.50'</u>	feet: thence	<u>WEST 100'</u>	feet:
thence	<u>SOUTH 98.75'</u>	feet: thence	<u>EAST 5'</u>	feet:
thence	<u>SOUTH 98.75'</u>	feet: thence	<u>EAST 65'</u>	feet:
thence	_____	feet: thence	_____	feet:
thence	_____	feet: thence	_____	feet:

To the point or place of beginning

N.B. or Alt. No ALT 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion 12/9/04 Construction classification 2-B

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input checked="" type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

- A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

- A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT 103453264

Borough: MANHATTAN

Date: JANUARY 18, 2005

No: 103453264

This certificate superceded C.O. No 103453264-T-4

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
MEZZ. 4(1)	100(1)	0(1)	0(1)	0(1)	12A(1)	F-4(1)	EATING & DRINKING EST. (1)
(1)	(1)	(1)	(1)	(1)	(1)	(1)	(CABARET)(1)
(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
3RD FLOOR(1)	100(1)	169(1)	0(1)	0(1)	12A(1)	F-4(1)	EATING & DRINKING EST. (1)
(1)	(1)	(1)	(1)	(1)	(1)	(1)	(CABARET)(1)
(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
4TH FLOOR	100	63	0	0	12A	F-4	EATING & DRINKING EST. (1)
							(CABARET)(1)

#### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

**NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS  
A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED**

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

*Lama V. Davis*

*[Signature]*

Borough Commissioner

Commissioner

ORIGINAL

OFFICE COPY - DEPARTMENT OF BUILDINGS

COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
-----------------------------	-------	---------	------------------

distant 325' WEST feet from the corner formed by the intersection of 10TH AVENUE and WEST 27TH STREET

running thence NORTH 197.50' feet; thence WEST 100' feet;  
 thence SOUTH 98.75' feet; thence EAST 5' feet;  
 thence SOUTH 98.75' feet; thence EAST 55' feet;  
 thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;  
 thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;

To the point or place of beginning

N.B. or Alt. No ALT 103453264

N.B. or Alt. No \_\_\_\_\_ Date of completion 12/9/04 Construction classification 2-B

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input checked="" type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT 103453264

Borough: MANHATTAN

Date: JANUARY 18, 2005

No: 103453264

This certificate superceded C.O. No 103453264-T-4

ZONING DISTRICT M1-5

This certifies that the new-altered-existing-building-premises located at  
530 WEST 28TH STREET

Block: 699

Lot: 49

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

#### OPEN SPACE USES

(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

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*Lama V. Denis*

*[Signature]*

Borough Commissioner

Commissioner

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BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
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distant 325' WEST feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence NORTH 197.50' feet; thence WEST 100' feet;  
 thence SOUTH 98.75' Feet; thence EAST 5' feet;  
 thence SOUTH 98.75' Feet; thence EAST 95' feet;  
 thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;  
 thence \_\_\_\_\_ feet; thence \_\_\_\_\_ feet;

To the point or place of beginning

N.B. or Alt. No ALT 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion 12/9/04 Construction classification 2-B

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input checked="" type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
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SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# CERTIFICATE OF OCCUPANCY

Job Number ALT 103453264

Borough: MANHATTAN

Date: JANUARY 18, 2005

No: 103453264

This certificate superceded C.O. No 103453264-T-4

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Lot: 49

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### PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE

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(SPECIFY-PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

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*Lama V. Denis*

*[Signature]*

Borough Commissioner

Commissioner

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BEGINNING AT A POINT ON THE	NORTH	side of	WEST 27TH STREET
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distant 325' WEST feet from the corner formed by the intersection of  
10TH AVENUE and WEST 27TH STREET

running thence	<u>NORTH 197.50'</u>	feet: thence	<u>WEST 100'</u>	feet:
thence	<u>SOUTH 98.75'</u>	feet: thence	<u>EAST 5'</u>	feet:
thence	<u>SOUTH 98.75'</u>	feet: thence	<u>EAST 95'</u>	feet:
thence	_____	feet: thence	_____	feet:
thence	_____	feet: thence	_____	feet:

To the point or place of beginning

N.B. or Alt. No ALT 103453264  
 N.B. or Alt. No \_\_\_\_\_ Date of completion 12/9/04 Construction classification 2-B

Building occupancy group classification F-4 Height \_\_\_\_\_ Stories 4 Feet 44

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>	AUTOMATIC SPRINKLER SYSTEM	<input checked="" type="checkbox"/>	<input type="checkbox"/>
YARD HYDRANT SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			
SMOKE DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>			
FIRE ALARM AND SIGNAL SYSTEM	<input type="checkbox"/>	<input type="checkbox"/>			

STORM DRAINAGE DISCHARGES INTO:

- A) STORM SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

SANITARY DRAINAGE DISCHARGES INTO:

- A) SANITARY SEWER  B) COMBINED SEWER  C) PRIVATE SEWAGE DISPOSAL SYSTEM

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO	
--	--

CITY PLANNING COMMISSION CAL. NO	
----------------------------------	--

OTHERS:



# Certificate of Occupancy

**CO Number: 104046195F**

This certifies that the premises described herein conforms substantially to the approved plans and specifications and to the requirements of all applicable laws, rules and regulations for the uses and occupancies specified. No change of use or occupancy shall be made unless a new Certificate of Occupancy is issued. *This document or a copy shall be available for inspection at the building at all reasonable times.*

<b>A.</b>	<b>Borough:</b> Manhattan	<b>Block Number:</b> 00699	<b>Certificate Type:</b> Final
	<b>Address:</b> 530 WEST 28 STREET	<b>Lot Number(s):</b> 49	<b>Effective Date:</b> 05/05/2005
	<b>Building Identification Number (BIN):</b> 1012416	<b>Building Type:</b> Altered	
	<b>Special District:</b> None		
<b>This Certificate supercedes CO Number(s):</b> 103453264			
<i>For zoning lot metes &amp; bounds, please see BISWeb.</i>			
<b>B.</b>	<b>Construction classification:</b> COMB: 2-B	<b>Number of stories:</b> 4	
	<b>Building Occupancy Group classification:</b> F-4	<b>Height in feet:</b> 44	
	<b>Multiple Dwelling Law Classification:</b> None	<b>Number of dwelling units:</b> 0	
<b>C.</b>	<b>Fire detection and extinguishing systems:</b> Sprinkler system		
<b>D.</b>	<b>Type and number of open spaces:</b> None associated with this filing.		
<b>E.</b>	<b>This Certificate is issued with the following legal limitations:</b> None		
<b>Borough Comments:</b> None			

Borough Commissioner

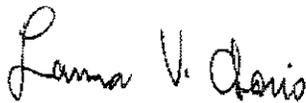
Commissioner

# Certificate of Occupancy

CO Number: **104046195F**

## Permissible Use and Occupancy

Floor From To	Maximum persons permitted	Live load lbs per sq. ft.	Building Code habitable rooms	Building Code occupancy group	Zoning dwelling or rooming units	Zoning use group	Description of use
CEL		OG		F-4			ACCESSORY STORAGE, PART UNEXCAVATED.
MZ1	56	100		F-4		12A	EATING & DRINKING EST. (CABARET)
MZ2	441	100		F-4		12A	EATING & DRINKING EST. (CABARET)
MZ3	61	100		F-4		12A	EATING & DRINKING EST. (CABARET)
MZ4		100		F-4		12A	EATING & DRINKING EST. (CABARET)
001	2151	100		F-4		12A	EATING & DRINKING EST. (CABARET)
002	100	100		F-4		12A	EATING & DRINKING EST. (CABARET)
003	169	100		F-4		12A	EATING & DRINKING EST. (CABARET)
004	63	100		F-4		12A	EATING & DRINKING EST. (CABARET) ACCESSORY OFFICE.
<b>END OF SECTION</b>							



Borough Commissioner



Commissioner

END OF DOCUMENT

104046195/000 5/5/2005 3:46:38 PM



## Thank You For Filling Out This Form

Shown below is your submission to **NYC.gov** on Friday, March 22, 2013 at 14:56:11

This form resides at <http://www.nyc.gov/html/dcp/html/about/foil.shtml>

### NAME of FIELDS

### DATA

<b>Confirmation:</b>	Thank you for submitting this Records Request to the New York City Department of City Planning (DCP). You can expect to receive an initial response from DCP within 5 business days.
<b>Date:</b>	3/22/2013
<b>Name:</b>	Rachel Lomonaco
<b>Company or Organization:</b>	The Chazen Companies
<b>Title or Position:</b>	Environmental Scientist
<b>Address:</b>	21 Fox Street Poughkeepsie NY 12601
<b>Email:</b>	rlomonaco@chazencompanies.com
<b>Phone:</b>	845-454-3980
<b>Fax:</b>	845-454-4026
<b>Description:</b>	Any files pertaining to the property known as: 526-532 West 28th Street, Manhattan, New York, New York Block 00699, Lot 0049
<b>E-mailing:</b>	Please do e-mail me the responsive record(s), if possible, to the above e-mail address.
<b>Manner of Receipt or Inspection:</b>	Inspect the responsive records at City Planning

⌘ [Department of City Planning Records Request Form](#)

Use <http://www.nyc.gov/html/dcp/html/about/foil.shtml> to return to the referring City agency

[NYC.gov Home Page](#) | [Contact NYC.gov](#) | [FAQs](#) | [Privacy Statement](#) | [Site Map](#)

Marche 22, 2013

FOIL Access Officer  
Department of Environmental Conservation Region 2  
1 Hunter's Point Plaza  
47-40 21<sup>st</sup> Street  
Long Island City, NY 11101-5407

**Re: 526 - 532 West 28th Street, Block 00699 Lot 0049, Manhattan, New York.**

To Whom It May Concern:

We are in the process of conducting an Environmental Site Assessment of the above referenced property. The assessment includes a request for information from various Agencies under the Freedom of Information Law. Please provide me with any files in your department concerning this property specifically with regards to:

- Well permits and/or well logs
- Well water analytical data
- Records of storage tanks
- SPDES applications or permits received or issued
- Reported incidents of dumping or landfilling
- Violations

Please send any correspondence concerning this matter to our Poughkeepsie office. Thank you for your assistance.

Sincerely,



Rachel Lomonaco  
Assistant Environmental Scientist  
[rlomonaco@chazencompanies.com](mailto:rlomonaco@chazencompanies.com)

## Rachel Lomonaco

---

**From:** Foil r2foil [r2foil@gw.dec.state.ny.us]  
**Sent:** Monday, April 08, 2013 10:45 AM  
**To:** Rachel Lomonaco  
**Cc:** Foil r2foil  
**Subject:** R2-13-885 - No record letter

April 08, 2013

**FOIL:** R2-13-885

Rachel Lomonaco/The Chazen Companies  
845-486-1555 M 802-233-8152  
**F 845-454-4026**  
[rlomonaco@chazencompanies.com](mailto:rlomonaco@chazencompanies.com)

Re: 526-532 W 28<sup>th</sup> St in Manhattan

Dear Ms. Lomonaco:

NYSDEC/Region 2 has reviewed your request for the above referenced records under New York State's Freedom of Information Law (FOIL). Please note that most of our records are filed by number under the names of individuals or corporations. We have no way of locating or retrieving records if they are filed under names or addresses other than those you have provided.

If no records have been located, this does not necessarily mean, and should not be interpreted to mean that there have never been any violations, complaints, claims, investigations or inquiries involving those names or addresses. We cannot make any representations as to whether there are or have been any such violations, complaints, Claims, investigations or inquiries.

After a diligent search of Region 2 available files, no records could be located for the names and/or addresses you provided.

Please email your future FOILs to Region directly to the following email address: [r2foil@gw.dec.state.ny.us](mailto:r2foil@gw.dec.state.ny.us)

Thank you for your request. If additional information is needed, please call Gloria Silva/FOIL Secretary at (718) 482-4507, or email me at: [r2foil@gw.dec.state.ny.us](mailto:r2foil@gw.dec.state.ny.us)

Sincerely yours,

Fawzy I. Abdelsadek, Ph.D., P.E.  
Regional Enforcement Coordinator

Fawzy I. Abdelsadek, Ph.D., P.E.  
Regional Enforcement Coordinator & FOIL Coordinator  
New York State Department of Environmental Conservation  
Region 2  
47-40 21St Street  
Long Island City, NY 11101  
[Tel:\(718\) 482-4992](tel:(718)482-4992)  
[Fax:\(718\) 482-6729](tel:(718)482-6729)  
[r2foil@gw.dec.state.ny.us](mailto:r2foil@gw.dec.state.ny.us)



## Thank You For Filling Out This Form

Shown below is your submission to **NYC.gov** on Friday, March 22, 2013 at 15:10:20

This form resides at [http://www.nyc.gov/html/dep/html/contact\\_us/foil.shtml](http://www.nyc.gov/html/dep/html/contact_us/foil.shtml)

### NAME of FIELDS

### DATA

<b>foil-form:</b>	REMOTE_HOST,HTTP_ADDR,HTTP_USER_AGENT
<b>type-of-record:</b>	BPS, BWS
<b>record-request:</b>	any of the following:-Site maps or plans-Well permits and/or logs-Records of storage tanks-Applications or permits-Reported incidents of dumping - Violations for the property known as 526-532 West 28th Street, New York, New York (Block 00699, Lot 0049).
<b>record-request-type:</b>	Copies
<b>location:</b>	526-532 West 28th Street, New York, New York
<b>time-frame:</b>	1900 - present
<b>first-name:</b>	Rachel
<b>last-name:</b>	Lomonaco
<b>phone:</b>	845-486-1555
<b>organization:</b>	The Chazen Companies
<b>address:</b>	21 Fox Street
<b>city:</b>	Poughkeepsie
<b>state:</b>	NY
<b>zip-code:</b>	12601
<b>date:</b>	3/21/2013

Use [http://www.nyc.gov/html/dep/html/contact\\_us/foil.shtml](http://www.nyc.gov/html/dep/html/contact_us/foil.shtml) to return to the referring City agency

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Carter H. Strickland, Jr.  
Commissioner

John Rousakis  
General Counsel  
Bureau of Legal Affairs

Records Access Officer

59-17 Junction Boulevard  
Flushing, NY 11373  
T: (718) 595-3448  
F: (718) 595-6543

April 3, 2013

Ms. Rachel Lomonaco  
The Chazen Companies  
21 Fox Street  
Poughkeepsie, NY 12601

Dear Ms. Lomonaco:

Re: 526-532 West 28th Street, New York

We hereby acknowledge receipt of your **Freedom of Information Law** request dated March 22, 2013.

Your request is important to us and will be handled as expeditiously as possible. You are advised, however, that because of the large increase in the volume of such requests, your response may be delayed.

If you have any questions, please call Brenda Farren, Records Access Officer, at (718) 595-3448. Please refer to the **FOIL log number(s)** listed below when calling.

Sincerely,

A handwritten signature in cursive script that reads "Brenda Farren".

Brenda Farren  
FOIL Access Officer

**FOIL log #(s) 95879, 95880, 95881, 95882**





FIRE DEPARTMENT - CITY OF NEW YORK  
 Public Records Unit / Tanks Section  
 9 MetroTech Center  
 Brooklyn, New York 11201-3857  
 (718) 999-2441 or 2442



## Fuel Tank Special Report Request Form

### SECTION A

### CUSTOMER INFORMATION

Please print the required information below.

Rachel Lomonaco

Name

21 Fox Street

Address

Poughkeepsie, NY 12601

State

Zip Code

845-486-1555

rlomonaco@chazencompanies.com

Telephone Number

### OFFICE USE ONLY

Cashier / Search No. \_\_\_\_\_

PRU Staff

Accepted By/Initials: \_\_\_\_\_

Searched By: \_\_\_\_\_

Total Amount: \_\_\_\_\_

**Note:** Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the **NYC Fire Department** and a stamped self-addressed envelope (with postage). Mail checks or money orders directly to the address and unit listed above. **DO NOT MAIL CASH.**

### SECTION B

### FUEL TANK REPORT - FEE \$10.00 / PER REPORT

526 - 532

West 28th Street

Manhattan

House Number

Street Name

Borough

- THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS
- THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS
- THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
- THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS
- MOST RECENT TANK / PIPING TEST RESULTS
- HISTORY OF BURIED TANKS LEAKS

Note: Requests will be responded to within 10 business days.

PR3 (July-08)

**Special West Chelsea District Rezoning and High Line Open Space EIS**  
**CHAPTER 7: HISTORIC RESOURCES**

---

**A. INTRODUCTION**

The proposed action would not result in significant adverse impacts to archaeological resources; however, it has the potential to result in unmitigated significant adverse impacts to S/NR-eligible architectural resources due to demolition, conversions/expansions and/or construction-related activity. In addition, as described in Chapter 6, “Shadows,” the proposed action would result in unmitigated significant adverse shadow impacts to two architectural resources.

This chapter assesses the potential effect of the proposed action on historic architectural and archaeological resources. The *CEQR Technical Manual* identifies historic resources as districts, buildings, structures, sites, and objects of historical, aesthetic, cultural, and archaeological importance. This includes designated NYC Landmarks; properties calendared for consideration as landmarks by the New York City Landmarks Preservation Commission (LPC); properties listed on the State/National Registers of Historic Places (S/NR) or contained within a district listed on or formally determined eligible for S/NR listing; properties recommended by the New York State Board for listing on the S/NR; National Historic Landmarks; and properties not identified by one of the programs listed above, but that meet their eligibility requirements.

As discussed below, several designated and eligible historic resources and portions of three designated historic districts are located either within, or in the vicinity of, the proposed action area. Because the proposed action would generate development that could result in new in-ground disturbance and construction of a building type not currently permitted in the affected area, the proposed action has the potential to affect archaeological and architectural resources.

According to *CEQR Technical Manual* guidelines, impacts on historic resources are considered on those sites affected by the proposed action and in the area surrounding identified development sites. The historic resources study area is therefore defined as the area to be rezoned and the proposed High Line open space, plus an approximate 400-foot radius around the proposed action area. This is the area in which it is expected that new development could affect physical, visual, and historic relationships of architectural resources. Archaeological resources are considered only in those areas where excavation is likely and would result in new in-ground disturbance; these are limited to sites that may be developed in the rezoning area, including projected and potential development sites. This is also referred to as the area of potential effect.

**B. BACKGROUND/HISTORY**

West Chelsea, specifically the area bounded by W. 30th Street on the north, Tenth Avenue on the east, W. 14th Street on the south, and the Hudson River on the west, is often considered to be merely the western portion of the Chelsea neighborhood. Its history, as well its present day pattern of land use, however, distinguish it from the portion of Chelsea east of Tenth Avenue. The neighborhood

takes its name from a farming estate established during colonial times by Thomas Clarke. Originally the Hudson River shoreline stood approximately at what is today Tenth Avenue. Over the course of the nineteenth century, Chelsea developed as an urban area, including parcels subdivided from the Chelsea estate by Clarke's grandson, Clement Clarke Moore (who is reputed to be the author of the famed poem "A Visit from St. Nicholas"). Lots from the former Clarke estate were developed with townhouses, many of which today form the Chelsea Historic District on blocks generally bounded by W. 23rd Street, Eighth Avenue, W. 19th Street, and Tenth Avenue. During this same period, the shoreline was moved westward through landfilling. While the area east of Tenth Avenue emerged as a residential area along with institutions such as the General Theological Seminary, west of Tenth Avenue industrial uses predominated, taking advantage of their proximity to the Hudson River.

The nineteenth century industrial area in West Chelsea included a mix of uses, including lumber yards, breweries, factories, and warehouses, while piers were developed along the landfilled shoreline. As industry grew in West Chelsea toward the end of the century, the character of the formerly upscale residential neighborhood changed as tenements were built and some houses were subdivided into apartments to house workers. Meanwhile, the Meatpacking District formed on the blocks west of Ninth Avenue between Gansevoort Street and approximately W. 15th Street.

For the first half of the twentieth century, West Chelsea remained a thriving industrial district. Over time, new factories, warehouses, and transportation infrastructure replaced many of the nineteenth century facilities. Piers along the waterfront were used for a variety of purposes. For example, Chelsea Piers, built in the early twentieth century, were initially used as a passenger ship terminal for ocean liners and later used by troop ships during the world wars and as a cargo terminal during the 1950s and 1960s. Inland, streets were congested with cars, trucks, and trains. Freight railroads ran at-grade on portions of Tenth, Eleventh, and Twelfth avenues, a right-of-way which was dubbed "Death Avenue" due to the dangerous conditions found there. In order to address these problems, the New York Central Railroad, working in partnership with the city and state, constructed what was then called the West Side Improvement, including elevated tracks from W. 30th Street to Spring Street, with the line officially opening in 1934. North of W. 30th Street the elevated freight tracks linked to a newly constructed rail cut where the line continued north. The construction of the High Line, as it is now known, strengthened West Chelsea's position as a warehousing and freight terminal hub, inducing the development of new facilities such as the Starrett-Lehigh Building, a nineteen-story warehouse occupying an entire block, which opened in 1931.

In the postwar era, echoing trends occurring locally and nationally, Chelsea experienced a decline in manufacturing and in freight related economic activity. With the advent of containerized shipping, river-based freight activity on the piers dwindled during the 1950s and 1960s to a point of complete abandonment. Similarly, though more gradually, rail freight activity declined on the High Line, with the final freight train, carrying a cargo of frozen turkeys, passing over the trestle in 1980. Concurrently, as the decline of industrial and transportation jobs vitiated the economic base that had long provided employment for area residents, the predominately residential sections of Chelsea experienced change as some residents moved on to other neighborhoods or the suburbs and large scale housing developments were constructed by the New York City Housing Authority

(Robert Fulton Houses, Chelsea Houses, and Elliot Houses) and the International Ladies' Garment Workers Union (Penn Station South Houses) in order to provide affordable housing.

Over the last two and a half decades, the predominately residential portion of Chelsea has experienced a revival. New upwardly mobile residents were attracted to the area for the attractive housing stock, affordable prices, and location with convenient access to Midtown and Lower Manhattan. Many older townhouses were rehabilitated and, particularly following rezonings in the 1990s, new developments were constructed along Sixth and Seventh avenues, many on sites that had been occupied by parking lots or low-rise buildings. At the same time, the West Chelsea area experienced a transition as former industrial loft buildings were converted to other uses, including offices, night clubs, and art galleries. The waterfront area has been redeveloping as well. Chelsea Piers were converted into a sports and entertainment complex providing public access, while other piers and waterfront areas are being incorporated into Hudson River Park.

### C. ARCHITECTURAL RESOURCES

The proposed action would induce construction, demolition, and alteration of buildings in the proposed action area, as well as reconstruction and reuse of the High Line, and therefore, in accordance with Section 220 of Chapter 3F in the *CEQR Technical Manual*, an assessment of its effects on architectural resources is provided.

#### **Existing Conditions**

In order to assess the potential architectural impacts of the proposed action, a study area was defined by drawing a 400-foot radius around the boundary of the proposed rezoning area and the proposed High Line open space facility (refer to Figure 7-1).

There are no S/NR-listed or LPC-designated historic resources located in the proposed action area. However, there are 17 properties in the proposed action area that have been identified as being eligible for listing. Ten of these resources are on projected or potential development sites and 6 of the historic resources are not on projected or potential development sites. The remaining historic resource is the High Line.

Within 400 feet of the proposed action area, there are 15 additional architectural resources. These include 6 listed or designated resources and 9 eligible resources. Refer to LPC Architectural Environmental Review letter attached in Appendix B. These resources are listed in Table 7-1 and their approximate locations are shown in Figure 7-1. The numbers shown on the figures are keyed to the numbers listed for each resource in the table. When initially referenced in the text, the resources are listed by the number used to identify them in the table and figure. In total, 36 resources were considered in this analysis. The study area contains 32 historic architectural resources and four additional resources which are located beyond the 400-foot study area, which were included because of their historic significance.

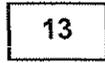
SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS

Figure 7-1  
Study Area Historic Resources

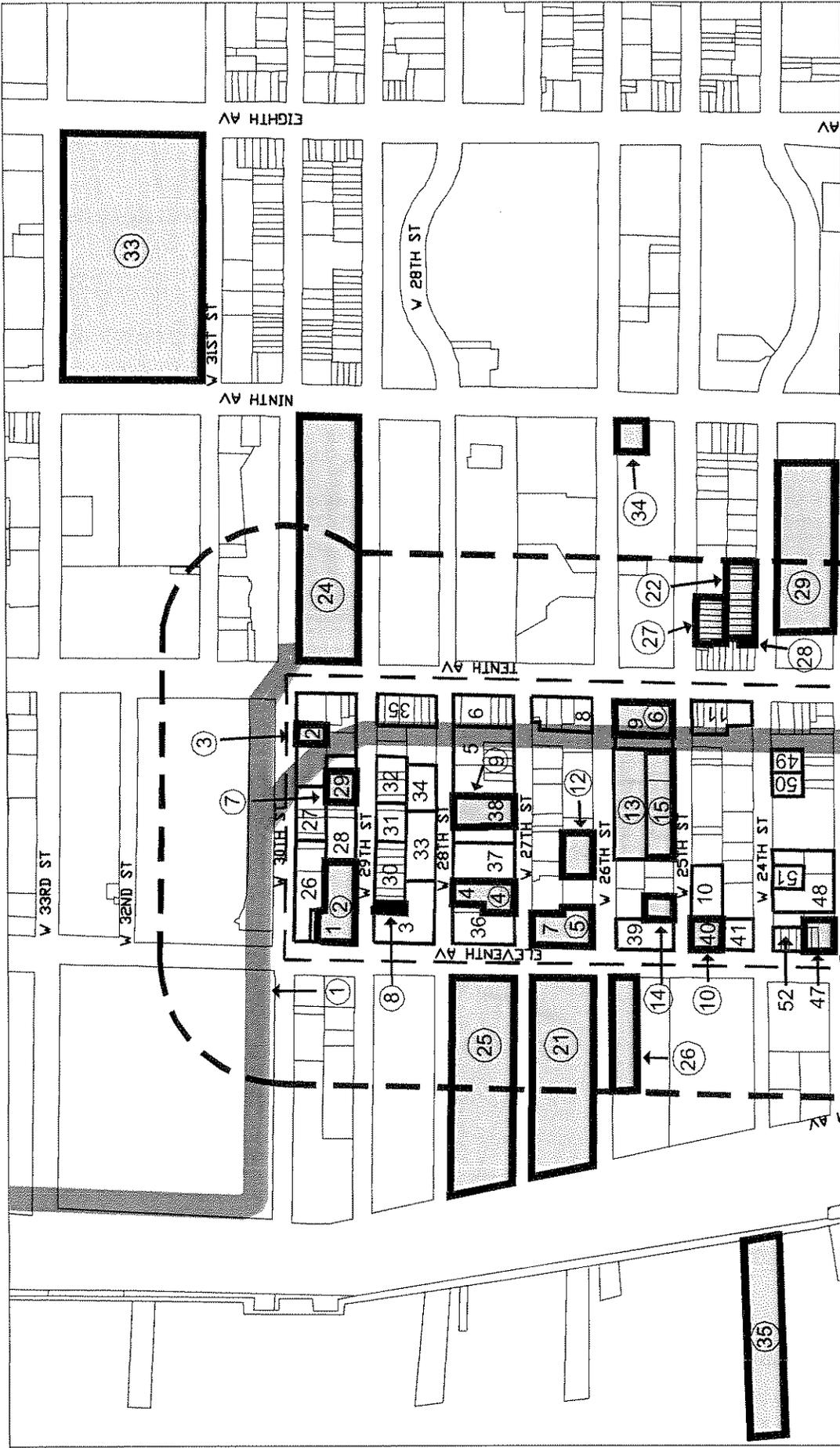


Legend:

-  400 ft Boundary
-  Rezoning Area Boundary

-  13 Projected/Potential Development
-  Historic Resource

Scale: 1 inch = 100 feet



Scale: 1 inch = 200 feet  
 0 250 500 1000

- Legend:**
- 400 ft Boundary
  - - - Rezoning Area Boundary
  - 13 Projected/Potential Development
  - Historic Resource

**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**

**Figure 7-1a**  
 Historic Resources in the Northern Portion of the Study Area



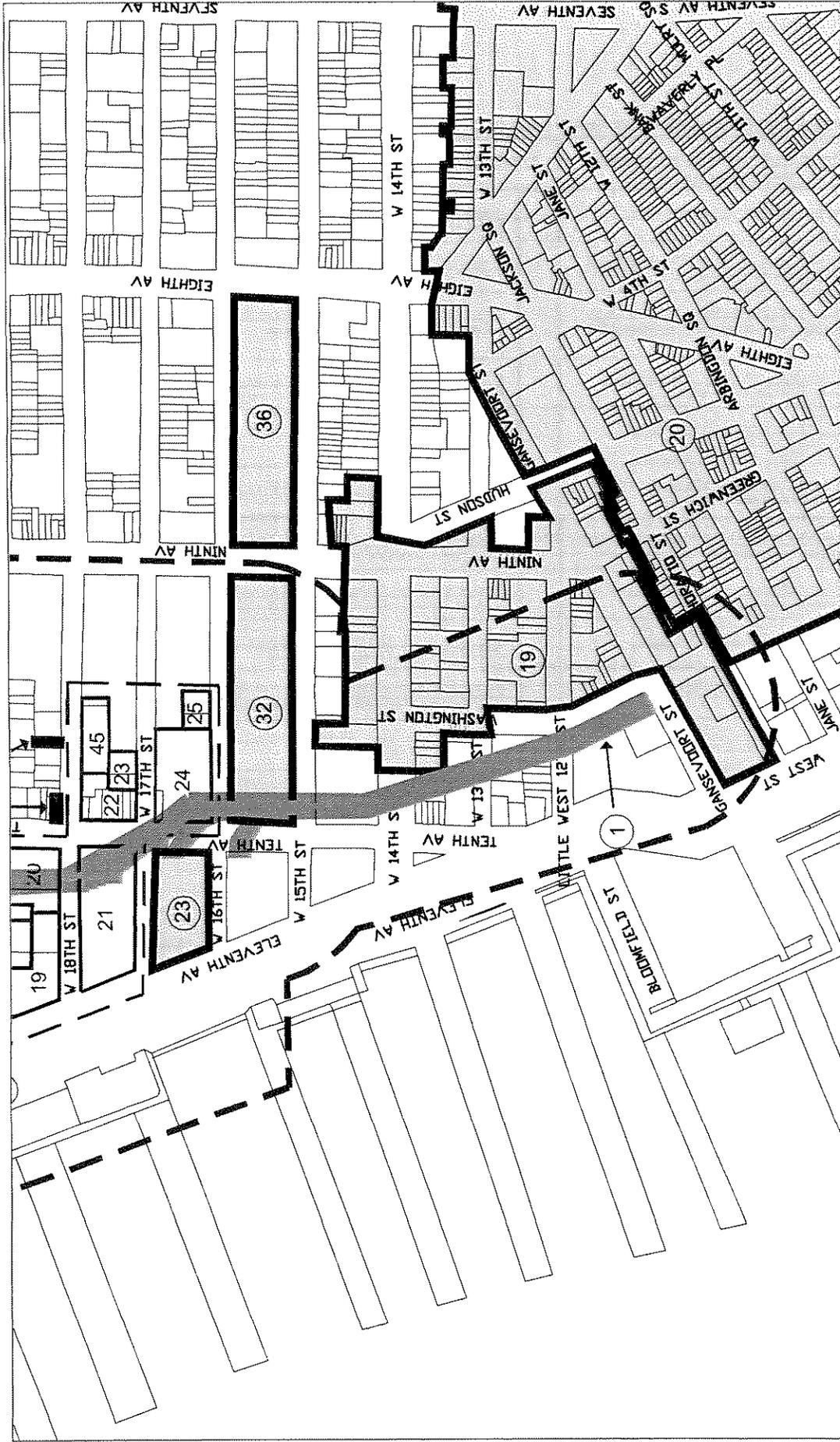
SCALE: 1 INCH = 200 FEET



- Legend:**
- 400 ft Boundary
  - Rezoning Area Boundary
  - Projected/Potential Development
  - Historic Resource

**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**

**Figure 7-1b**  
Historic Resources in the Central Portion of the Study Area



Scale: 1 inch = 200 feet

- Legend:**
- 400 ft Boundary
  - Rezoning Area Boundary
  - Projected/Potential Development
  - Historic Resource

**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**

**Figure 7-1c**  
Historic Resources in the Southern Portion of the Study Area

**Table 7-1, West Chelsea/High Line Open Space Study Area Resources**

<b>Eligible Resources Located in the Proposed Action Area and Directly Affected by the Proposed Action</b>		<b>Listed Resources Located Within 400 Feet of the Proposed Action Area (Cont.)</b>	
1.	<u>High Line</u> - S/NR eligible; directly affected by proposed action.	19.	<u>Gansevoort Market Historic District</u> - LPC listed; portion within 400 feet of the directly affected area.
2.	<u>W. &amp; J. Sloane Warehouse and Garage, 527-541 W. 29th Street (block 701, lot 1)</u> - S/NR eligible; Projected Development Site 1.	20.	<u>Greenwich Village Historic District</u> - LPC and S/NR listed; portion within 400 feet of the directly affected area.
3.	<u>Former Hess Brothers Confectionary Factory, 502-504 W. 30th Street, (block 701, lot 43)</u> - S/NR eligible; part of Projected Development Site 2.	21.	<u>Starrett-Lehigh Building, 601 W. 26th Street (block 672, lot 1)</u> - LPC listed; within 400 feet of the directly affected area.
4.	<u>Warehouse, 548 W. 28th Street, a.k.a. 547-559 W. 27th Street (block 699, lot 5)</u> - S/NR eligible; Projected Development Site 4.	22.	<u>437-459 W. 24th Street Houses (block 722, lots 6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17)</u> - LPC and S/NR listed; within 400 feet of the directly affected area.
5.	<u>Otis Elevator Building, 246-260 Eleventh Avenue (block 698, lot 1)</u> - LPC and S/NR eligible; Projected Development Site 7.	23.	<u>Merchants Refrigerating Company Warehouse, 501 W. 16th Street (block 687, lot 29)</u> - S/NR listed; within 400 feet of the directly affected area.
6.	<u>Williams Warehouse, 259 Tenth Avenue (block 697, lot 31)</u> - LPC and S/NR eligible; part of Projected Development Site 9.	<b>Eligible Resources Located Within 400 Feet of the Proposed Action Area</b>	
7.	<u>Charles P. Rogers &amp; Company Building, 517-523 W. 29th Street (block 701, lot 24)</u> - S/NR eligible; part of Potential Development Site 29.	24.	<u>Morgan Postal Facility, 341 Ninth Avenue (block 727, lot 1)</u> - LPC and S/NR eligible; within 400 feet of the directly affected area.
8.	<u>Manufacturing building, 550 W. 29th Street (block 700, lot 61)</u> - S/NR eligible; part of Potential Development Site 30.	25.	<u>Terminal Warehouse Company, 261-275 Eleventh Avenue (block 673, lot 1)</u> - S/NR eligible; within 400 feet of the directly affected area.
9.	<u>E.R. Merrill Spring Co., 530 W. 28th Street (block 699, lot 49)</u> - S/NR eligible; part of Potential Development Site 38.	26.	<u>B&amp;O Terminal, 235 Eleventh Avenue (block 670, lot 70)</u> - S/NR eligible; within 400 feet of the directly affected area.
10.	<u>216 Eleventh Avenue (block 696, lot 65)</u> - S/NR eligible; Potential Development Site 40.	27.	<u>446-460 W. 25th Street (block 722, lot 65, 66, 67, 68, 69, 70, 71, 72)</u> - LPC and S/NR listed; within 400 feet of the directly affected area.
11.	<u>Terminal Hotel, 563-565 W. 23rd Street (block 695, lot 1)</u> - S/NR eligible; part of Potential Development Site 47.	28.	<u>461 W. 24th Street (block 722, lot 5)</u> - LPC and S/NR listed; within 400 feet of the directly affected area.
<b>Other Eligible Resources Located in the Proposed Action Area</b>		29.	<u>London Terrace apartments, 401-465 W. 23rd Street (block 721, lots 7, 7501)</u> - LPC and S/NR eligible; within 400 feet of the directly affected area.
12.	<u>Garage, 537-547 W. 26th Street (block 698, lot 10)</u> - S/NR eligible; in the rezoning area.	30.	<u>461 W. 18th Street (block 716, lot 1)</u> - LPC and S/NR listed; within 400 feet of the directly affected area.
13.	<u>Wolf Building and Annex, 508-526 W. 26th Street (block 697, lots 42, 47)</u> - S/NR eligible; in the rezoning area.	31.	<u>445 W. 18th Street (block 716, lot 12)</u> - LPC and S/NR listed; within 400 feet of the directly affected area.
14.	<u>Cornell Ironworks, a.k.a. Standard Oil Offices, 555 W. 25th Street (block 697, lot 5)</u> - LPC and S/NR eligible; in the rezoning area.	32.	<u>Nabisco Complex (now Chelsea Market), 69-83 Ninth Avenue (block 713, lot 1)</u> - LPC and S/NR eligible; within 400 feet of the directly affected area.
15.	<u>Reynolds Metal Company, 511-541 W. 25th Street (block 697, lots 13, 23)</u> - LPC and S/NR eligible; in the rezoning area.	<b>Additional Resources of Interest Located Beyond 400 Feet from the Proposed Action Area</b>	
16.	<u>Church of the Guardian Angel, 185 Tenth Avenue (block 693, lot 31)</u> - LPC and S/NR eligible; in the rezoning area.	33.	<u>Farley Post Office</u> - LPC and S/NR listed; located on the block bounded by 31st and 33rd streets and 8th and 9th avenues
17.	<u>Seamen's House, 118 Eleventh Avenue (block 691, lot 1)</u> - S/NR eligible; in the rezoning area.	34.	<u>The Heywood Building</u> - S/NR eligible; located at 400 W. 26th Street.
<b>Listed Resources Located Within 400 Feet of the Proposed Action Area</b>		35.	<u>Pier 64</u> - S/NR eligible; located at Marginal Avenue and W. 24th Street.
18.	<u>Chelsea Historic District</u> - LPC and S/NR listed; portion within 400 feet of the directly affected area.	36.	<u>Port Authority Commerce Building</u> - S/NR eligible; located at 76 9th Avenue.

## High Line

As noted above in the “Background/History” section, the High Line (#1) was designed and constructed in the early 1930s by the New York Central Railroad to remove freight train traffic from an at-grade street right-of-way. The West Side Improvement, as the High Line was formally known, opened in 1934. Originally extending from W. 30th Street and Eleventh Avenue to St. John’s Freight Terminal on Spring Street in Hudson Square, its sections south of Gansevoort Street were previously removed. It is a steel frame structure with a concrete reinforced deck with gravel ballast, double-track railroad line, and metal railings. As it has not been used for freight rail since 1980, the deck has become overgrown with vegetation in many locations. The deck is located approximately 30 feet above street level. From approximately W. 29th Street to W. 18th it extends parallel to and approximately 100 feet west of Tenth Avenue and it crosses Tenth Avenue at W. 17th Street and extends south to Gansevoort Street where it is immediately west of Washington Street. It is approximately 1.5-miles long and the deck encompasses a surface area of approximately 6.7 acres. The section of the High Line viaduct extending north and west of W. 30th Street and Eleventh Avenue is not included in the proposed action area (see Figure 8-16 in Chapter 8, “Urban Design and Visual Resources”).

## Resources in the Proposed Action Area

As shown in Table 7-1, there are ten historic resources eligible for S/NR or LPC listing which form all or part of a projected or potential development site (# 2- #11). Photographs of each of these resources are shown in Figure 7-2. The effects of the proposed action on these sites, as anticipated as part of the reasonable worst-case development scenario (RWCDS), are described below in the section “Future With the Proposed Action.”

The **W. & J. Sloane Warehouse and Garage** (#2, S/NR eligible), located at the northeast corner of W. 29th Street and Eleventh Avenue, is on Projected Development Site 1. This resource consists of three buildings. As shown in Figure 7-2a, it includes a 10-story red brick loft structure, with Renaissance Revival elements, consisting of two buildings which are identical in style and indistinguishable, but which were constructed at different times (1909 and 1913). It is sited around the southwest corner of the lot now occupied by a parking lot (which is not S/NR eligible). To the east of this structure, is a 4-story garage building, also with Romanesque Revival details. This was constructed in 1910.

The **Former Hess Brothers Confectionary Factory** (#3, S/NR eligible), located on W. 30th Street midblock between Tenth Avenue and the High Line, is on a portion of Projected Development Site 2. As shown in Figure 7-2b, it is a 7-story masonry industrial building. Its brickwork is suggestive of the Romanesque Revival style and it is notable for the columns at its base. It was constructed in 1884-1885.

The **warehouse building at 548 W. 28th Street** (#4, S/NR eligible), a.k.a., 547-559 W. 27th Street, is located on a through-lot with frontage on W. 27th and W. 28th streets, midblock between Tenth and Eleventh avenues. It is on Projected Development Site 4. As shown in Figure 7-2c, it is a 6-

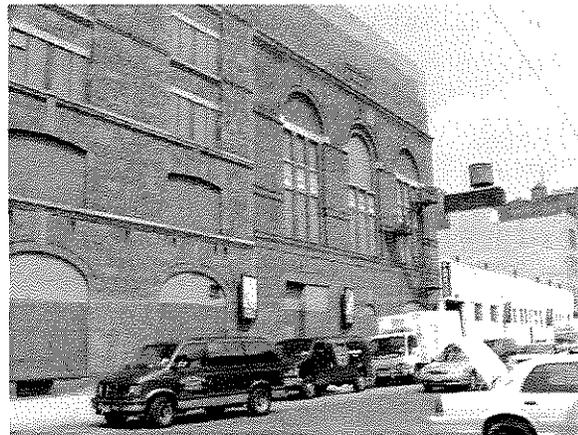
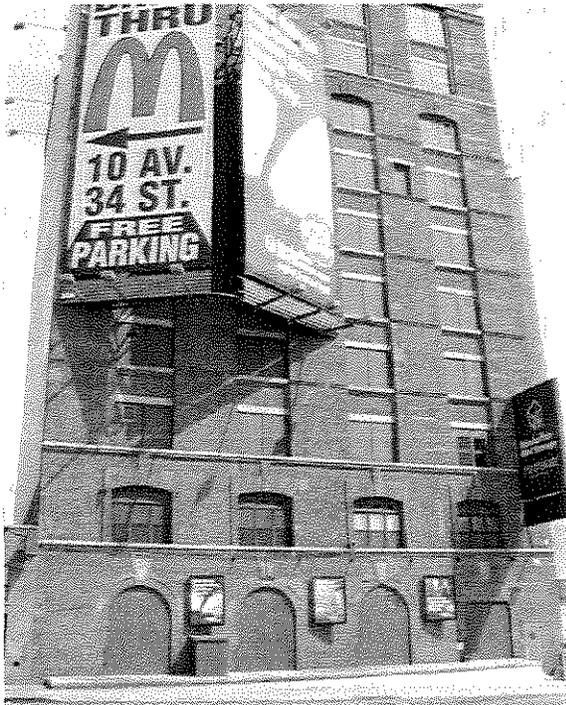
**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**

Figure 7-2a

**Eligible Historic Resources on Projected and Potential Development Sites**



Above: W. & J. Sloane Warehouse, corner of W. 29th Street & Eleventh Avenue  
Below left: W. & J Sloane Warehouse, Eleventh Avenue frontage  
Below right : W. & J. Sloane Warehouse & Garage, W. 29th Street frontage



(Note: 10-story warehouse at left, 4-story garage at right)

**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**

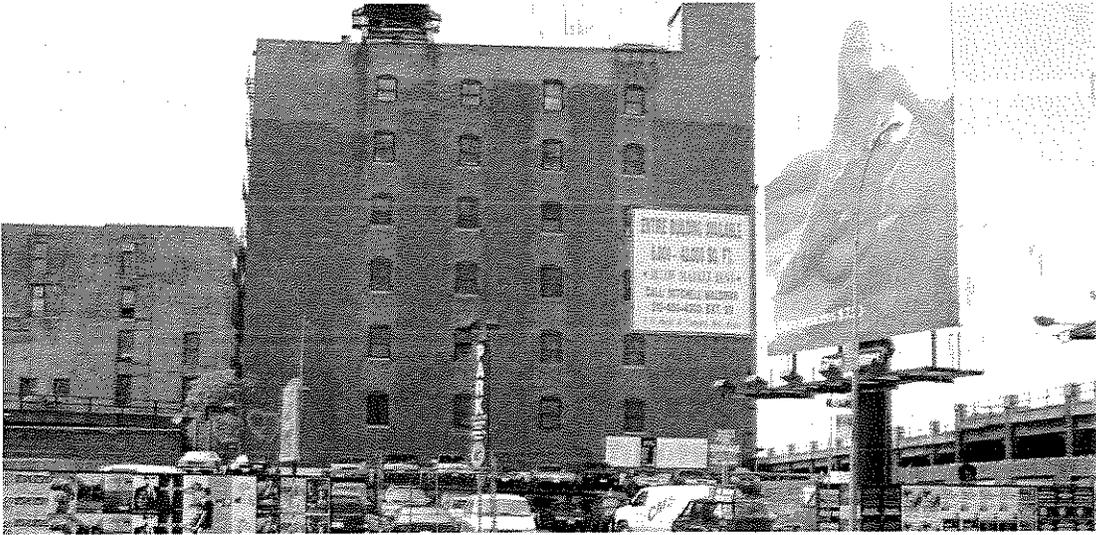
Figure 7-2b

**Eligible Historic Resources on Projected and Potential Development Sites**



Left: Former Hess Brothers Confectionery Factory, along W. 30th Street

Below: Side view of Former Hess Brothers Confectionery Factory, from Tenth Avenue



SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS

Figure 7-2c

Eligible Historic Resources on Projected and Potential Development Sites



Above: 458 W. 28th Street, W. 27th Street frontage

Right: 458 W. 28th Street, W. 28th Street frontage



**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**

Figure 7-2d

**Eligible Historic Resources on Projected and Potential Development Sites**



Above: Otis Elevator Building, W. 27th Street frontage

Below left: Otis Elevator Building, Eleventh Avenue frontage

Below right: Otis Elevator Building, W. 26th Street frontage, at corner of Eleventh Avenue



**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**

Figure 7-2e

**Eligible Historic Resources on Projected and Potential Development Sites**



Above: Williams Warehouse, W. 26th Street frontage



Right: Williams Warehouse, W. 25th Street frontage

Below: Williams Warehouse, Tenth Avenue frontage



**Eligible Historic Resources on Projected and Potential Development Sites**



Above left: Charles P. Rogers & Company Building, W. 29th Street, western portion



Above right: Charles P. Rogers & Company Building, W. 29th Street, eastern portion

**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**

Figure 7-2g

Eligible Historic Resources on Projected and Potential Development Sites



Manufacturing Building at 550 W. 29th Street

SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS

Figure 7-2h

Eligible Historic Resources on Projected and Potential Development Sites



Above: E.R. Merrill Spring Co., W. 28th Street frontage

Below: E.R. Merrill Spring Co., W. 27th Street frontage



Eligible Historic Resources on Projected and Potential Development Sites



Building at 216 Eleventh Avenue, at the corner of W. 25th Street and Eleventh Avenue

**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**

Figure 7-2j

**Eligible Historic Resources on Projected and Potential Development Sites**



Above: Terminal Hotel, Eleventh Avenue frontage

Below: Terminal Hotel, W. 23rd Street frontage



story red brick loft building, with Romanesque Revival-style details. It is also known as the Berlin and Jones Envelope Company building. It was constructed 1889-1900.

The **Otis Elevator Building** (#5, LPC and S/NR eligible), located on a corner lot with frontage on W. 27th Street, Eleventh Avenue, and W. 26th Street, is on Projected Development Site 7. As shown in Figure 7-2d, it is a 7-story yellow brick loft building. According to NYC Department of Finance records, it was built in 1911 and altered in 1983.

The **Williams Warehouse** (#6, LPC and S/NR eligible), located on a corner lot with frontage on W. 26th Street, Tenth Avenue, and W. 25th Street, is on a portion of Projected Development Site 9. As shown in Figure 7-2e, it is a 10-story yellow brick loft building. According to NYC Department of Finance records, it is estimated to have been built in 1928 and was altered in 1989.

The **Charles P. Rogers & Company Building** (#7, S/NR eligible), located on W. 29th Street midblock between Tenth and Eleventh avenues, is on a portion of Potential Development Site 29. As shown in Figure 7-2f, it is a 6-story red brick building, although the easternmost portion of the building is 2 stories with a vehicle entrance which may not be part of the original building. It was built in 1903.

The **manufacturing building at 550 W. 29th Street** (#8, S/NR eligible), located on W. 29th Street midblock between Tenth and Eleventh avenues, is on a portion of Potential Development Site 30. As shown in Figure 7-2g, it is a 3-story, red brick, Greek Revival building, with four star-shaped metal wall ties attached to the facade. It was built sometime before 1883.

The **E.R. Merrill Spring Co.** (#9, S/NR eligible) building, is located on a through-lot with frontage on W. 27th and W. 28th streets, midblock between Tenth and Eleventh avenues. It is on a portion of Potential Development Site 38. As shown in Figure 7-2h, it is a 3-story brick building. The building was constructed in multiple phases as it was gradually expanded between 1872 and 1920.

The **building at 216 Eleventh Avenue**, a.k.a., 210 Eleventh Avenue and 564 W. 25th Street, (#10, S/NR eligible), located on a corner lot with frontage on both W. 25th Street and Eleventh Avenue, is on Potential Development Site 40. It is also known as the Zinn Building. As shown in Figure 7-2i, it is a twelve-story concrete and steel Renaissance Revival style building, with brick, stone, and terra cotta exterior. According to NYC Department of Finance records, it was built in 1911 and altered in 1989.

The **Terminal Hotel** (#11, S/NR eligible), located at the northeast corner of W. 23rd Street and Eleventh Avenue, is on Potential Development Site 47. As shown in Figure 7-2j, it is a 4-story brick and stone Italianate building. It was constructed about 1860.

The following resources are located in close proximity to or directly adjacent to projected and potential development sites where development induced by the proposed action may occur:

The **Garage at 537-547 W. 26th Street** (#12, S/NR eligible), a 1-story garage, built in 1912, notable for its gabled facade and interior steel truss.

The **Cornell Ironworks** (#14, LPC and S/NR eligible), 555 W. 25th Street (located adjacent to Potential Development Site 39), a red brick building built in 1891 by the eponymous company which manufactured decorative and structural iron implements, and, after 1908, used as offices and warehouse space by Standard Oil.

The **Reynolds Metal Company** (#15, LPC and S/NR eligible), 511-541 W. 25th Street (adjacent to Projected Development Site 9), consisting of two buildings, including a 9-story tan brick building at 511 W. 25th Street and a 4-story red brick building at 525-539 W. 25th Street.

The Roman Catholic **Church of the Guardian Angel** (#16, LPC and S/NR eligible), 185 Tenth Avenue (located across the street from Projected Development Site 15), is a 1930 brick and limestone structure

The **Seamen's House** (#17, S/NR eligible), 118 Eleventh Avenue (located adjacent to Project Development Sites 16 and 17 and across the street from Projected Development Site 13), is a 9-story Art Deco-style building constructed in 1930-1931 as a YMCA facility for sailors whose ships docked at the Hudson River piers and is now used as the Bayview Correctional Facility, housing female inmates.

#### Resources Within 400 Feet of the Proposed Action

Outside of the proposed action area, but within the study area there are six resources that are S/NR and/or LPC listed. These consist of three historic districts and three individual resources. These resources are shown in Figures 7-3 and 7-4.

#### ***Individual Landmarks***

**The Starrett-Lehigh Building** (#21), occupies the entire block bounded by W. 27th Street, Eleventh Avenue, W. 26th Street, and Twelfth Avenue. It is located across the street from the rezoning area and in particular Project Development Site 7. LPC designated it a landmark in 1986. It is also S/NR eligible. Built in 1930-1931, it was developed by the Starrett Investing Company and the Lehigh Valley Railroad as a freight terminal with warehouse and office space. This massive Modern style building, with eighteen-story eastern wing, nineteen-story mid-section, and 9-story western wing, features horizontal bands of steel ribbon windows alternating with brick spandrels and concrete floorplates. It is a reinforced concrete slab building with largely column-free floors. This building is shown in Figure 7-4a.

The **Houses at 437-459 W. 24th Street** (#22) are located along the north side of the street, midblock between Ninth and Tenth avenues. They were LPC-designated in 1970 and listed on the S/NR in 1982. This row of 12 paired houses was constructed in 1849-1850. These Greek Revival/Italianate residences are setback from the street with deep landscaped yards and retain their original stoops, iron railings, and other details. They are 3-stories tall, three bays wide, and constructed of brick. Views of this resource are shown in Figure 7-4b.

**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**

**Figure 7-3a  
Historic Districts Within the Study Area**



Above: View of buildings in the Chelsea Historic District,  
Northeast Corner of W. 21st Street and Tenth Avenue

Below: View of W. 20th Street east of Tenth Avenue  
in Chelsea Historic District



**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**

Figure 7-3b

Historic Districts Within the Study Area



Above: View of W. 14th Street and Washington Street, Southeast Corner, Gansevoort Market Historic District

Below: View of 17 W. Little 12th Street, Gansevoort Market Historic District



**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**  
Figure 7-3c  
Historic Districts Within the Study Area



Above: View of buildings in the Greenwich Village Historic District,  
Washington Street between Horatio and Jane Streets

Below: View of 67 Horatio Street, building in Greenwich Village Historic District



**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**

Figure 7-4a

**Individual Historic Landmarks in the Study Area**



Above: Starrett-Lehigh Building,  
View from Eleventh Avenue and W. 27th Street, Looking Southeast

Below: Merchants Refrigerating Company Warehouse,  
View from Tenth Avenue and W. 18th Street, Looking South  
(note: High Line in the foreground)



**SPECIAL WEST CHELSEA DISTRICT REZONING AND HIGH LINE OPEN SPACE EIS**

**Figure 7-4b**

**Individual Historic Landmarks in the Study Area**



Above: View of Houses at 437-459 W. 24th Street,  
Including 437 W. 24th Street, at right (east) end of row

Below: View of Houses at 437-459 W. 24th Street,  
Including 447 W. 24th Street (building with tan shutters and cornice)



The **Merchants Refrigerating Company Warehouse (#23)** occupies the entire block bounded by W. 17th Street, Tenth Avenue, W. 16th Street, and Eleventh Avenue. It is located across the street from the rezoning area along two street frontages and is also immediately adjacent to a spur of the High Line that branches off the main line near where it crosses Tenth Avenue in front of the resource. It is also located across the street from Projected Development Sites 21 and 24. It was S/NR listed in 1985. It was constructed in 1916-1918 as a cold storage warehouse, representing the state of the art in this type of facility at the time. It is an eleven-story building constructed of reinforced concrete with an exterior of buff-colored brick, terra cotta, granite, and cast stone designed in a simplified Renaissance revival style. It covers the entire block and therefore follows its trapezoidal shape. The facades are divided vertically into three sections by cornices or banding, separating floors 1 to 3, 4 to 10, and 11. This building is shown in Figure 7-4a.

In addition to the listed resources identified above, there are thirteen resources outside the proposed action area that have been identified as being eligible for LPC designation, S/NR listing, or both. These resources are listed in Table 7-1 and their location shown in Figure 7-1 (including Figures 7-1a through 7-1c).

The **Morgan Postal Facility (#24, S/NR eligible, LPC eligible)** occupies the entire block bounded by Ninth and Tenth Avenues and W. 29th and W. 30th Streets. Constructed in 1933 by the United States Postal Service, the building is significant as one of many postal facilities built under a New Deal-generated building program. The building was designed by James A. Wetmore. It is set on a limestone base and the upper portion of the building is faced in tan brick and articulated with alternating piers and window bays. Art Deco details ornament the 10-story Ninth Avenue portion of the building. The building is clad with a frieze above the base, a belt course with a similar geometric pattern runs above the eighth floor, with a cornice above the ninth floor. The building features sculpted eagles and carved floral blocks along the base.

The **New York Terminal Warehouse Company's Central Stores (#25, S/NR eligible)** was constructed between 1890 and 1912. The Central Stores occupy the block between Eleventh and Twelfth Avenues and W. 27th and W. 28th Streets. The complex is comprised of 25 storage buildings of the same design. The brick buildings range in height from seven- to nine-stories and they feature arched window openings and corbelled cornices. Along Eleventh Avenue the facade features a large, central-arched entrance and some terra cotta ornamentation. The terminal complex is recognized for its association with the development of Manhattan's waterfront and for its architectural features.

The **Baltimore & Ohio Terminal Warehouse (#26, S/NR eligible)**, constructed between 1912 and 1914, is located at the southwest corner of the intersection of W. 26th Street and Eleventh Avenue. The B & O Terminal is the oldest fully intact vestige of the railroad industry in West Chelsea. It was the first and largest reinforced concrete building approved by the New York City Buildings Department. The facades are simply designed with alternating vertical bays of smooth-faced concrete and rusticated concrete. The building features pilasters, a cornice, and includes pedimented parapets along the roof line. The B & O Terminal is recognized for its association with the development of Manhattan's waterfront, for its architectural features, and for its engineering.

**446-460 W. 25th Street** (#27, S/NR listed, LPC listed) consists of eight brick or brownstone row houses. The buildings are either three stories or three stories with a basement and all of the buildings have a common roof line. Six of the eight buildings have classic cornices. Several buildings have low stoops with cast-iron handrails. Many of the buildings have molded stone window lintels and stone window sills. One building also has window shutters.

**461 W. 24th Street** (#28, S/NR listed, LPC listed) is a 2-story building with a pitched roof and a brick facade. There are small attic windows facing W. 24th Street and full-size attic windows on the side of the building. Paneled stone window lintels and stone window sills frame the five windows along W. 24th Street.

**London Terrace** (#29, S/NR eligible, LPC eligible) is two rows of connected apartment buildings built in protomodern planar style with faintly Gothic verticality. A block-long private garden comprises the area between the two buildings. Terrace Towers is comprised of four corner buildings which contain approximately 710 units. The entire apartment complex contains 1,670 units and ground floor retail.

**461 W. 18th Street** (#30, S/NR listed, LPC listed) is a 2-story building with a pitched roof and a brick facade. There are small attic windows facing W. 18th Street and full-size attic windows on the side of the building. Stone window lintels and stone window sills frame the two second-story windows and the large ground-floor window along W. 18th Street.

**445 W. 18th Street** (#31, S/NR listed, LPC listed) is a 2-story brick building with a basement and an attic. There are small attic windows facing W. 18th Street. The building has a low stoop with wrought-iron handrails and a wrought-iron fence. There are stone window sills and paneled stone window lintels.

The **Nabisco Complex/Chelsea Market** (#32, S/NR eligible, LPC eligible) was the first of West Chelsea's start-up industries to become a major national corporation. The initial factory began in 1887 and by 1932 the Nabisco Complex consisted of seventeen buildings on three blocks. Many of the brick structures employ a simplified industrial classicism enhanced with terra cotta cornices, moldings and trim. In 1995, one full block of the complex was adapted into the Chelsea Market.

The **James A. Farley Post Office** (#33, S/NR listed, LPC listed) is a McKim, Mead and White building. The building was constructed between 1908 and 1913 as a companion to the former Pennsylvania Station. The building features a colonnade of 20 Corinthian columns, each 53 feet high, and stretches along two full city blocks.

The **Heywood Building** (#34, S/NR eligible) is a 10-story building located on a corner lot with frontage on W. 26th Street and 9th Avenue. According to NYC Department of Finance records, the grey brick loft building was constructed in 1920.

**Pier 64** (#35, S/NR eligible) is located to the west of Route 9A at W. 24th Street. An empty 2-story storage shed is on Pier 64. The pier is currently closed to the public, but there are plans to repair the pier and possibly reuse the shed for passive and active recreational uses as part of Hudson River Park.

The **Port Authority Commerce Building** (#36, S/NR eligible) was constructed in 1932 as a vertical warehouse facility and freight terminal. Located at 111 Eighth Avenue, the art deco building covers the entire city block between W. 15th and W. 16th streets from Eighth and Ninth avenues.

### *Historic Districts*

#### Chelsea Historic District

The rezoning area is located across Tenth Avenue from the Chelsea Historic District (#18). It includes an original district designated by LPC in 1970, listed on the NR in 1977 and on the SR in 1980, as well as an expansion which was added by LPC in 1981 and listed on the S/NR in 1982. It encompasses all or portions of eight blocks in an area generally bounded by W. 23rd Street, Eighth Avenue, W. 19th Street, and Tenth Avenue. Most of the buildings in the district were built from the 1830s to 1870s. Before this time, the area had comprised a single estate called Chelsea, named after the neighborhood of that name in London, England. Its owner, Clement Clarke Moore, developed the area as the City grew northward from Lower Manhattan. Moore controlled building design and use through restrictive covenants which enforced a cohesive and high quality style and pattern of development. The district is primarily residential although it also contains commercial and religious institution buildings. It mainly consists of Greek Revival and Italianate row houses, but also contains a few apartment buildings and federal houses. Other architectural styles represented among the contributing resources include neo-Grec, French Second Empire, and neo-Gothic. Unlike most areas of Manhattan, some row houses in the district are setback from the street and provide front gardens. The General Theological Seminary campus, including buildings from the 1820s and 1830s as well as lawns and trees, occupies the block bounded by W. 21st Street, Ninth Avenue, W. 20th Street, and Tenth Avenue. Moore donated this land to the Episcopal Church on the condition it be used for a seminary.

As shown in Figure 7-1, the western portion of this historic district is located within the study area. This includes the block frontages along Tenth Avenue, from the south side of W. 20th Street to W. 23rd Street facing directly across the street from the rezoning area. Figure 7-3a shows views of selected buildings in the historic district that are located within the study area.

#### Gansevoort Market Historic District

The southern portion of the High Line, from W. 14th Street to Gansevoort Street, is located adjacent to the Gansevoort Market Historic District (#19), which LPC designated in 2003. This district encompasses all or portions of 11 blocks in an area generally bounded by W. 15th Street, Hudson Street, Horatio Street, Washington Street, and the High Line. This area has been a wholesale meat market for over 150 years and architecture of the district tells the story of an important era in the City's history when its markets were expanding to serve the metropolitan region and beyond. At

the time of designation, the district consisted of 104 buildings, most dating from the 1840s to 1940s, representing a variety of architectural styles and include both purpose-built market buildings and those originally built for other uses but subsequently adapted for market use. In addition, the original Belgian block paving is still visible on most streets. While the concentration of meatpacking and related businesses has declined since the Second World War, today it is a vibrant neighborhood of remaining meatpackers, retail, restaurants, offices, clubs, galleries, and apartments.

Approximately half of this historic district is located within the study area, as the western portion of the district lies within 400 feet of the directly affected area. Figure 7-3b shows views of selected buildings in the historic district that are located within the study area.

### Greenwich Village Historic District

The southern end of the High Line, located near the corner of Gansevoort and Washington streets, is approximately one block from the northwest corner of the Greenwich Village Historic District (#20). It was designated by the NYC LPC in 1969, listed on the NR in 1979, and, upon its creation, on the SR in 1980. It encompasses nearly 100 blocks, in an area bounded generally by Washington Street to the west, University Place to the east, St. Luke's Place to the south and West 13th Street to the north. The District is primarily residential in nature and its layout reflects the incremental growth of Greenwich Village and Manhattan. The district contains hundreds of nineteenth-century rowhouses and townhouses, and later apartment buildings, located on an irregular street grid pattern. Federal-style, Greek Revival, and Italianate row houses built between the 1820s and the 1850s make up this historic area, which displays distinctive architectural styles relevant to the history of New York City.

Only a very small portion of this historic district is located within 400 feet of the directly affected area and would therefore have the potential to be affected by the proposed action. Specifically, this area includes one block front on the east side of Washington Street between Horatio and Jane streets and an approximately half-block section of Gansevoort Street extending east of Washington Street. Figure 7-3c shows views of these blocks of the historic district.

### **Future Without the Proposed Action**

In the future without the proposed action, it is expected that the current land use trends and general development patterns in West Chelsea will continue. These trends and patterns are characterized by an overall decline in industrial uses and a continued shift toward commercial uses, including office and retail. This likely could include conversions of existing space as well as new construction, following the demolition of existing buildings. The High Line is expected to remain in its existing, unused state below W. 30th Street. As discussed in greater detail below, the portion above W. 30th Street could experience significant adverse impacts as a result of actions associated with Hudson Yards development. In the future without the proposed action, twelve historic resources would be affected by no-action development on identified projected or potential development or by development associated with Hudson Yards and the No. 7 Subway Extension. Resources would be affected through demolition, conversion/expansions, construction activities or a combination of these.

As detailed in Chapter 2, “Land Use, Zoning, and Public Policy,” several developments and conversions are expected within the land use study areas, including new development on some of the projected and potential development sites.

Under the No-Action conditions, seven developments/conversions would directly affect eligible architectural resources. These include the following resources:

- #2 The W. & J. Sloane Warehouse and Garage, located on Projected Development Site 1, would be converted from existing warehouse use to commercial use.
- #3 The Former Hess Brothers Confectionary Factory, on part of Projected Development Site 2, would be re-occupied by commercial space (vacant under existing conditions).
- #4 The warehouse at 548 W. 28th Street, on Projected Development Site 4, would be converted from general commercial space to office space.
- #6 The Williams Warehouse, on part of Projected Development Site 9, would be converted from storage/manufacturing to office and retail uses. The conversion would only affect lot 31 on block 697.
- #7 The Charles P. Rogers & Company Building, on part of Potential Development Site 29, would be converted from storage/manufacturing to office and retail uses.
- #10 The building at 216 Eleventh Avenue, on Potential Development Site 40, would be converted from general commercial to office use.
- #11 The Terminal Hotel, on part of Potential Development Site 47, would be redeveloped with residential and retail uses. This could occur through conversion and expansion of the existing building or by demolishing the existing building and replacing it, along with other buildings on Potential Development Site 47, with a new building.

As these buildings are privately owned and are not LPC designated, alteration, conversion, expansion, or demolition can be carried out as-of-right as long as no Federal, State, or City governmental discretionary permits or funding are involved.

Future no-action development could cause inadvertent construction-related effects to historic resources through adjacent construction. Historic resources within 90 feet of future no-action developments include the Williams Warehouse (#6), the Charles P. Rogers Building (#7), and the Terminal Hotel (#11). Each of these resources are located within 90 feet of anticipated no-action development. However, as the no-action developments near the Williams Warehouse (#6) and the Charles P. Rogers Building (#7) would be conversions, no adverse construction effects are anticipated because the construction would be predominantly internal. The Terminal Hotel (#11) is within 90 feet of Potential Development Sites 48 and 51, sites which are expected to experience redevelopment under no-action conditions. As described in detail below, preventative measures are taken to ensure that new construction does not adversely impact adjacent structures. Special

consideration is given to ensure that designated historic resources within 90 feet of a construction site are protected. Thus, eligible (but not designated) resources, such as the Terminal Hotel (#11), within 90 feet of a construction site would not be afforded any special protections, except the basic structural protections provided by the New York City Department of Buildings (DOB) regulations.

As discussed in Chapter 2, several other developments are expected to occur outside the proposed action area in the future without the proposed action. Apart from the Hudson Yards action, discussed below, none of those are expected to directly affect any designated or eligible resources in the study area.

According to the *No. 7 Subway Extension-Hudson Yards Rezoning and Development Program FGEIS* (November 2004), by 2010 the Hudson Yards project would result in a significant adverse impact due to the planned removal of the section of High Line north of W. 30th Street and west of Eleventh Avenue. In addition, that document notes that the “construction of the open space over the eastern portion of the Caemmerer Yard could partially remove sections of the High Line along W. 30th Street, which would also constitute a significant, adverse impact.” Letters of Resolution (LORs) with the New York State Office of Parks, Recreation and Historic Preservation (NYS OPRHP) stipulate mitigation for the adverse impacts to the High Line that include photographic documentation and salvage. Additionally, although the construction of the proposed No. 7 Subway Extension would occur adjacent to ten architectural resources, there would be no adverse impacts to them because New York City Transit (NYCT) would take protection measures to avoid inadvertent damage, as stipulated in the MTA LOR, contained in Appendix D.

The No. 7 Subway Extension is expected to include construction activity in the vicinity of the West Chelsea rezoning area. Although the terminal station will be located north of the proposed action area at W. 34th Street, layup tracks are expected to extend as far south as W. 24th Street beneath Eleventh Avenue. While the alignment will be created by tunnel boring and its construction is not expected to affect historic resources at grade, the project calls for the construction of an ancillary facility with both below- and above-grade facilities at Eleventh Avenue between W. 25th and W. 26th streets, within Potential Development Site 39. Plans call for a 1-story structure with 8,000 gsf of floor area on the site, currently occupied by an open parking/auto storage lot. This facility is to contain power substations and a ventilation equipment and used as a launching point for tunnel boring machines during construction. If this site is developed pursuant to the West Chelsea proposed action, this facility likely would be located within the footprint of a new building.

The *FGEIS* concludes that the No. 7 Subway Extension is not expected to result in any significant, adverse impacts on historic resources, as NYCT would implement protection measures as part of its construction specifications to avoid accidental construction damage. However, construction activity has the potential to inadvertently damage architectural resources adjacent to construction activity areas. According to the *FGEIS*, this is expected to include five resources located within the West Chelsea study area that are within 90 feet of the proposed ancillary facility. These include: the B&O Terminal at 235 Eleventh Avenue (#26); 216 Eleventh Avenue, a.k.a., the Zinn Building (#10); the Otis Elevator Company building at 246-260 Eleventh Avenue (#5); the garage at 537-547 W. 26th Street (#12); and the Cornell Iron Works, a.k.a., Standard Oil offices, at 555 W. 25th Street (#14).

It is possible that some or all of the buildings identified as eligible for LPC or S/NR designation could become listed in the 2013 future without the proposed action. Privately owned properties that are NYC landmarks, S/NR-listed, or are pending designation or listing as landmarks, are protected under the New York City Landmarks Law, which requires LPC review and approval before any alteration or demolition can occur. Similarly, developments occurring within LPC-designated historic districts require a Certificate of Appropriateness from LPC. Historic resources that are listed on the S/NR or that have been found eligible for listing are given a measure of protection from the effects of Federally sponsored or Federally assisted projects under Section 106 of the National Historic Preservation Act. Although preservation is not mandated, federal agencies must attempt to avoid adverse impacts on such resources through a notice, review, and consultation process. Properties listed on the S/NR are similarly protected against impacts resulting from State-sponsored or State-assisted projects under the State Historic Preservation Act. Private owners of properties that are eligible for, or even listed on, the S/NR using private funds, can, however alter or demolish their properties without such a review process. In addition, the City has procedures for avoiding damage to historic structures from adjacent construction.

Therefore, in the future without the proposed action, up to twelve eligible resources, including the High Line north of W. 30th Street, could be affected by as-of-right development including conversions, expansions, construction activity and/or development associated with the Hudson Yards or the No. 7 Subway Extension. As described above, seven architectural resources would be directly affected in the future without the proposed action by conversions and/or expansions and six resources could be affected by construction activity. One resource, the Terminal Hotel (#11), could be affected by a combination of redevelopment activities and construction-related damage from nearby construction projects.

Of the six historic resources that could potentially be affected by inadvertent construction-related activity, five resources (#5, #10, #12, #14, and #26) could be affected due to their proximity to construction of the ancillary facility associated with the No. 7 Subway Extension. However, these resources are not likely to experience adverse construction-related impacts because NYCT would take protection measures to avoid inadvertent damage, as described above. Additionally, historic resource #11 is adjacent to an on-going construction site (a mixed-use residential development is currently under construction on Potential Development Sites 48 and 51). As it is an eligible (but not designated) resource, it would not be afforded any special protections, except the basic structural protections provided by the New York City Department of Buildings (DOB) regulations, and as such, may experience adverse construction-related effects.

### **Future With the Proposed Action**

According to the *CEQR Technical Manual*, generally, if a proposed action would affect those characteristics that make a resource eligible for New York City Landmark designation or National Register listing, this could be a significant adverse impact. The designated historic resources in the study area are significant both for their architectural quality as well as for their historical value as part of the City's development. This section assesses the potential for the proposed action to result in significant adverse impacts on identified architectural resources, including effects resulting from

construction of projected or potential developments, project-generated shadows, or other effects on existing historic resources in the study area once construction is completed.

The proposed action was assessed in accordance with guidelines established in the *CEQR Technical Manual* (Chapter 3F, Part 420), to determine (a) whether there would be a physical change to any designated property or its setting as a result of the proposed action, and (b) if so, is the change likely to diminish the qualities of the resource that make it important (including non-physical changes such as context or visual prominence). Whereas this section of the chapter focuses specifically on the proposed action's effects on the physical and visual context of architectural historic resources, an assessment of the proposed action's effect on the visual character of the study area in general is provided separately in Chapter 8, "Urban Design and Visual Resources."

As described in Chapter 1, "Project Description," the proposed action consists of zoning map and zoning text amendments that would establish the Special West Chelsea District as well as acquisition and site selection actions to facilitate a conversion of the High Line into a publicly accessible open space. Refer to that chapter for a detailed description of the proposed zoning, including underlying zoning districts, base and maximum permitted FAR, special street wall and lot coverage controls, and other provisions that would affect development density, bulk, and use.

A new publicly accessible, approximately 6.7-acre open space would be created on the High Line. It would extend approximately 1.5 miles from W. 30th Street and Eleventh Avenue to its southern end at Gansevoort Street, and would also include the post office spur extending across Tenth Avenue at W. 30th Street. While a final design for High Line open space has not been prepared at the time of this analysis, a preliminary baseline program for its future reuse has been identified. Potential amenities include walkways, benches, landscaping, kiosks, and elevator and stair access. Although a construction schedule has not yet been identified for the completion of the High Line, it is expected to be open and in place by the 2013 analysis year.

The potential effect of the proposed action on the 17 identified architectural resources within the study area is discussed below and summarized in Table 7-2. As noted in the "Existing Conditions" section above, all of the resources in the proposed action area are eligible resources. Of the 17 resources within the study area, seven would be affected by as-of-right development under no-action conditions, and are therefore, excluded from the assessment contained below.

**TABLE 7-2, Summary of Potential Effect of the Proposed Action on Identified Architectural Resources in the Study Area**

Map ID	Property Name	Direct Effect	Indirect Effect	Construction Impact	Shadows	Comments
Eligible Resources in the Proposed Action Area						
1	High Line	no	no	no	N/A	The High Line would be adaptively reused as a publicly accessible open space as part of the proposed action. It is adjacent to or passes through several projected and potential development sites.
2	W. & J. Shoane Warehouse and Garage*	no	no	no	no	This resource is on Projected Development Site 1. However, this is identified as a residential conversion site in the RWCDS, and no significant changes to this resource are anticipated. This site would be affected by as-of-right development under no-action conditions and is therefore excluded from this assessment.
3	Former Hess Bros. Confectionary Factory	no	no	N/A	no	This resource is on part of Projected Development Site 2. This site would be affected by as-of-right development under no-action conditions and is therefore excluded from this assessment.
4	Warehouse at 548 W. 28th Street	no	no	no	no	This resource is on Projected Development Site 4. This site would be affected by as-of-right development under no-action conditions and is therefore excluded from this assessment.
5	Otis Elevator Building	yes	no	yes	no	This resource is on Projected Development Site 7. It would be converted to residential use and expanded. It is not immediately adjacent to any projected or potential development sites, though Projected Development Site 4 and Potential Developments Sites 36 and 39 are across the street.
6	Williams Warehouse*	no	no	no	no	This resource is on part of Projected Development Site 9. However, this is identified as a conversion site in the RWCDS, and no significant changes to this resource are anticipated. It is not immediately adjacent to any projected or potential development sites, though Projected Development Sites 8 and 11 are across the street.
7	Charles P. Rogers & Company Building	no	no	no	no	This resource is on part of Potential Development Site 29. This site would be affected by as-of-right development under no-action conditions and is therefore excluded from this assessment.
8	Manufacturing building at 550 W. 29th Street	yes	no	N/A	no	This resource is on part of Potential Development Site 30. It would be demolished to facilitate new development on the site. As it is privately owned, such demolition can be carried out as long as no federal, state, or City governmental discretionary permits or funding are involved.
9	E.R. Merrill Spring Co.	yes	no	N/A	no	This resource is on part of Potential Development Site 38. It would be demolished to facilitate new development on the site. As it is privately owned, such demolition can be carried out as long as no federal, state, or City governmental discretionary permits or funding are involved.
10	216 Eleventh Avenue*	no	no	no	no	This resource is on part of Potential Development Site 40. However, this is identified as a conversion site in the RWCDS, and no significant changes to this resource are anticipated.
11	Terminal Hotel	no	no	no	no	This resource is on part of Potential Development Site 47. This site is included in the RWCDS for noise analysis only, and would not experience any change in its development program under with action conditions as compared to No-Action conditions. The nearby potential development sites are also included for noise analysis only.
12	Garage at 537-547 W. 26th Street	no	no	no	no	This resource is not immediately adjacent to any projected or potential development sites (Projected Development Sites 7, to the west, and 8, to the east, are located on the same block).
13	Wolf Building and Annex	yes	no	yes	no	Projected Development Site 9 is adjacent to this resource. However, that development is identified as a conversion site in the RWCDS, and no construction effects on the resource are expected. Should this resource become designated, any construction adjacent to it would be subject to the procedures of Building Code section 27-166 and PPN #10/88.

Map ID	Property Name	Direct Effect	Indirect Effect	Construction Impact	Shadows	Comments
14	Cornell Ironworks, (Standard OH offices)	yes	no	yes	no	Potential Development Site 39 is adjacent to this resource. Should this resource become designated, any construction adjacent to it would be subject to the procedures of Building Code section 27-166 and PPN #10/88.
15	Reynolds Metal Company	yes	no	yes	no	Projected Development Site 9 is adjacent to this resource. However, that development is identified as a conversion site in the RWDS, and no construction effects on the resource are expected. Should this resource become designated, any construction adjacent to it would be subject to the procedures of Building Code section 27-166 and PPN #10/88.
16	Church of the Guardian Angel	yes	no	no	yes	This resource is not immediately adjacent to any projected or potential development sites (Projected Development Sites 15 is located across the street.
17	Seamen's House	no	no	no	no	Projected Development Sites 16 and 17 are adjacent to this resource. Should this resource become designated, any construction adjacent to it would be subject to the procedures of Building Code section 27-166 and PPN #10/88.
Listed Resources Outside the Proposed Action Area, in the Study Area						
18	Chelsea Historic District	yes	no	no	yes	Projected Development Sites 15 and 18 and Potential Development Site 42 are located across the street from the district's western boundary. Would result in taller buildings facing the lower-rise district.
19	Gansevoort Market Historic District	no	no	no	no	The High Line is located adjacent to a portion of this resource. Any construction adjacent to it would be subject to the procedures of Building Code section 27-166 and PPN #10/88.
20	Greenwich Village Historic District	no	no	no	no	This resource is not in close proximity to any projected or potential development sites. The High Line is approximately one block from it.
21	Starrett-Leigh Bldg.	no	no	no	no	Projected Development Site 7 is located across the street from this resource.
22	Houses at 437-459 W. 24th Street	no	no	no	no	Projected Development Site 11 is the nearest development. It is located across Tenth Avenue from this resource.
23	Merchants Refrigerating Co. Warehouse	no	no	no	no	Projected Development Site 21 is across the street to the north, Projected Development Site 24 is across the street to the east, and the High Line is adjacent to this resource.
Eligible Resources Outside the Proposed Action Area, in the Study Area						
24	Morgan Postal Fac.	no	no	no	no	Projected Development Site 2 is across the street from this resource.
25	Terminal Warehouse Co.	no	no	no	no	Potential Development Site 36 is across the street from this resource.
26	B&O Terminal	yes	no	yes	no	Potential Development Site 39 is across the street from this resource.
27	446-460 W. 25th Street	no	no	no	no	Projected Development Site 11 is located on the opposite side Tenth Avenue from this resource.
28	461 W. 24th Street	no	no	no	no	Projected Development Site 11 is located on the opposite side of Tenth Avenue from this resource.
29	London Terrace Apartments	no	no	no	no	Potential Development site 42 is located southwest of this resource on the opposite side of Tenth Avenue
30	461 W. 18th Street	no	no	no	no	Projected Development site 20 is located west of this resource, across Tenth Avenue.
31	445 W. 18th Street	no	no	no	no	Potential Development site 45 is located across W. 18th Street to the south of this resource.

Map ID	Property Name	Direct Effect	Indirect Effect	Construction Impact	Shadows	Comments
32	Nabisco Complex	yes	no	yes	no	Projected Development Sites 24 and 25 are located across W. 16th Street to the north of this resource.
33	Farley Post Office	no	no	no	no	This resource is located to the northeast of the 400-foot study area boundary, east of 9th Avenue at W. 31st Street.
34	Heywood Building	no	no	no	no	This resource is located to the east of the 400-foot study area at the southwest corner of 9th Avenue and W. 26th Street.
35	Pier 64	no	no	no	no	This resource is located west of the 400-foot study area boundary, west of Route 9A at W. 24th Street.
36	Port Authority Commerce Bldg.	no	no	no	no	This resource is located to the east of the 400-foot study area boundary, immediately to the east of the Nabisco Complex.

\* These resources are converted under No-Action conditions. As the historic resources are altered in the future without the action, the resources are not altered by With-Action developments.

### *Direct Effects*

Historic resources can be directly affected by physical destruction, demolition, damage, alteration, or neglect of all or part of a historic resource. For example, alterations, such as the addition of a new wing to a historic building could result in significant adverse impacts, depending on the design. Direct effects also include changes to an architectural resource that cause it to become a different visual entity, such as a new location, design, materials, or architectural features.

The proposed action would result in the preservation of the S/NR-eligible High Line structure and its adaptive reuse as a publicly accessible open space. The stated goals of the City's design for reuse as open space include: 1) recognizing the High Line's role in the City's industrial and rail history; and 2) respecting the High Line as a unique piece of engineering. Physical alterations to the High Line, such as the addition of stairs and elevators, would be needed to facilitate reuse as a public open space resource, but are not expected to result in significant adverse impacts to the resource. These alterations would be made consistent with the City's design goals, and would be undertaken in consultation with LPC. Measures to minimize any effects on the High Line from renovation activities would be included in design and construction specifications. Therefore, no significant adverse impacts to the High Line are anticipated as a result of the proposed action.

The proposed action could result in direct effects to three eligible resource that would be converted or demolished as a consequence of the proposed action: the Otis Elevator Building (#5), located on Projected Development Site 7, would be converted to residential use; the E.R. Merrill Spring Co. Building (#9), located on Potential Development Site 38, could be demolished; and the Manufacturing Building (#8), located on Potential Development Site 30, could also be demolished to make way for new, mixed-use development.

As noted in Chapter 1, "Project Description," redevelopment on potential sites is less likely to occur than on projected sites. Therefore, the impacts to the E.R. Merrill Spring Co. Building (#9) and the Manufacturing Building (#8) are less likely to occur than impacts from projected development. Nevertheless, demolition of these buildings would constitute significant adverse impacts. As these buildings are privately owned, such demolition can be carried out as long as no federal, state, or City governmental discretionary permits or funding are involved, and can occur in the absence of the proposed action as well. Should future redevelopment on those sites involve federal, state, or City governmental discretionary permits or funding, measures to preserve the eligible structures may be required and alternatives to demolition must be explored. As per the *CEQR Technical Manual*, such measures may include redesign, adaptive reuse of the structures, construction protection plan, data recovery, or relocation of the resource.

The Otis Elevator Building (#5), located on Projected Development Site 7, would be converted to residential use under with-action conditions (it should be noted that under no-action conditions, the resource could be affected by construction-related activity). The conversion of the resource to residential use has the potential to result in significant adverse impacts.

Although all three resources could be preserved through reuse or incorporation into future development, it is assumed that they would be significantly altered or removed. As described in Chapter 22, “Mitigation,” these significant adverse impacts would be unmitigated because there are no mechanisms to require mitigation on private property redeveloped as-of-right.

### Construction Effects

Three designated resources are within 90 feet of projected or potential development sites: The Merchants Refrigerating Company Warehouse (#23, S/NR-listed) is within 90 feet of Projected Development Site 21; 461 W. 18th Street (#30, LPC-designated, S/NR-listed) is within 90 feet of Projected Development Site 22; and 445 W. 18th Street (#31, LPC-designated, S/NR-listed) is within 90 feet of Potential Development Site 45.

As these resources are within 90 feet of a projected or potential development site, they could be inadvertently affected by construction activities at the development sites.

The City has procedures for avoidance of damage to structures from adjacent construction with added protection for designated historic resources, which would be afforded to the three buildings described above. Building Code section 27-166 (C26-112.4) serves to protect buildings by requiring that all lots, buildings, and service facilities adjacent to foundation and earthwork areas be protected and supported in accordance with the requirements of Building Construction Subchapter 7 and Building Code Subchapters 11 and 19. In addition, the New York City Department of Buildings’ *Technical Policy and Procedure Notice (PPN) #10/88*, supplements these procedures by requiring a monitoring program to reduce the likelihood of construction damage to adjacent LPC-designated or S/NR-listed historic structures (within 90 feet) and to detect at an early stage the beginnings of damage so that construction procedures can be changed. With these measures, significant, adverse construction-related impacts are not expected to the Merchants Refrigerating Company Warehouse (#23, S/NR-listed), 461 W. 18th Street (#30, LPC-designated, S/NR-listed), and 445 W. 18th Street (#31, LPC-designated, S/NR-listed).

As noted above under the Existing Conditions section, none of the historic resources that are located within the proposed action area are currently designated resources, nor are any currently being considered for designation. Eligible resources located within 90 feet of a projected or potential development site include the Wolf Building and Annex (#13); the Cornell Ironworks (a.k.a. Standard Oil Building (#14); the Reynolds Metal Building (#15); the B&O Terminal (#26); and the Nabisco Complex (Chelsea Market) (#32).

The Cornell Ironworks (#14) is located within 90 feet of Projected Development Site 10 and Potential Development Sites 39 and 40. The Wolf Building and Annex (#13) and the Reynolds Metal Building (#15) are located on Block 697 and are within close proximity to Projected Development Site 9, Potential Development Site 39 and the High Line. The B&O Terminal (#26) is located within 90 feet of Potential Development Site 39. The Nabisco Complex (Chelsea Market) (#32) is located approximately 80 feet from Projected Development Sites 24 and 25. Consequently, the proposed action has the potential to result in significant adverse construction-related impacts to these five resources.

Although the five resources could potentially experience adverse direct impacts associated with construction, they would be offered some limited protection from accidental damage through DOB controls governing the protection of adjacent properties from construction activities. In addition, if some of those resources were to be designated as NYCLs, calendared for LPC designation, or listed on the S/NR, they would be afforded protection through the implementation of construction protection plans and monitoring procedures, in accordance with the guidelines set forth in *TPPN #10/88*, which would be required by the DOB for adjacent construction.

In addition to construction activities generated by the proposed zoning changes, the proposed conversion of the High Line to a public open space would involve extended periods of construction along the length of the rezoning area (from its northern limit at W. 30th Street and Eleventh Avenue to its southern terminus at Gansevoort Street and Washington Street) in the approximately 100-foot wide rail corridor. As there are buildings abutting the elevated railway, the above mentioned building codes would apply to the rehabilitation and conversion of the High Line to reduce the likelihood of construction damages and to detect at an early stage the beginnings of damage so that construction procedures can be changed. With these procedures in place, it is unlikely that the proposed alterations to the High Line would result in adverse impacts to adjacent structures or to buildings located in the Gansevoort Meat Market District.

### Shadows

As described in Chapter 6, “Shadows,” the projected and potential development that could result from the proposed action would cast new incremental shadows on sunlight sensitive historic resources within the proposed action area, including the Chelsea Historic District (#18), and the Church of the Guardian Angel (#16).

The shadows analyses concluded that the proposed action would result in significant adverse shadow impacts on the Church of the Guardian Angel and the General Theological Seminary (located within the Chelsea Historic District). The Church of the Guardian Angel would be cast in shadows from Projected Development Sites 15, 18, 19 and 21, and the General Theological Seminary would be cast in shadows from Projected Development Site 15. The additional shadows cast by the projected development may significantly detract from both churches essential functions and impact the enjoyment of the stained glass windows by parishioners. Therefore, the proposed action would result in a significant adverse shadow impact on both churches. As described in Chapter 22, “Mitigation,” apart from eliminating the projected development sites that would cast shadows upon the churches from the proposed action, there are no reasonable or feasible means to avoid or mitigate shadow impacts upon the stained glass windows of both churches.

As further discussed in Chapter 6, “Shadows,” the details of the features of the remaining eighteen historic resources included in the preliminary shadows analysis, which are not the primary historic characteristics resulting in their designation or potential designation as historic resources, are not dependent on sunlight during the day to the extent that shadows would obscure their significance. Therefore, while the proposed action could potentially cast shadows on these structures, such shadow effects would not result in significant adverse impacts. Refer to Chapter 6 for more details.

## *Indirect Effects*

Indirect effects, also referred to as contextual effects, can occur when: development results in the isolation of a property from or alteration of its setting or visual relationship with the streetscape; introduction of incompatible visual, audible, or atmospheric elements to a resource's setting; replication of aspects of a resource so as to create a false historic appearance; or elimination or screening of publicly accessible views of the resource.

The projected and potential development generated by the proposed action is not expected to have significant adverse indirect impacts on existing historic resources in the area. As discussed in Chapter 1, "Project Description," and Chapter 2, "Land Use, Zoning, and Public Policy," the Special West Chelsea District would include requirements for streetwalls, maximum height limits, and tower coverage. These requirements would ensure that the scale and bulk of new buildings is sensitive to and consistent with existing developments (refer to Chapter 8, "Urban Design/Visual Resources," for details).

The existing MX-3 (M1-5/R9A/R8A) district, currently mapped along W 23rd Street and midblock on the south side of W. 24th Street, would be rezoned to a contextual C6-2A and C6-3A districts. The contextual controls would ensure the development of buildings that relate to the context along the W. 23rd Street corridor.

Streetwalls and maximum height limits would apply to the west side of Tenth Avenue between W. 18th and W. 28th streets; the east side of Tenth Avenue between W. 17th and 18th streets; the east side of Eleventh Avenue between W. 22nd and 28th streets; and the midblocks between the north side of W. 18th Street and the south side of W. 20th Street, and the north side of W. 27th Street and the north side of W. 29th Street. The street walls range between 60 feet and 145 feet, consistent with the area's many street wall loft buildings and walk-up apartment buildings. Maximum height limits throughout much of the area would further ensure contextual development. Higher street walls (125 to 145 feet) along Tenth and Eleventh avenues would be consistent with the high street wall loft buildings and large residential developments (London Terrace and Chelsea-Elliot Houses) located along these avenues. Towers above required street walls would also be permitted in appropriate areas of the Special West Chelsea District, between W. 28th and W. 30th streets, as West Chelsea transitions to the higher density proposed in Hudson Yards, and to the west and south, across from Chelsea Piers and away from the lower scale buildings of Chelsea. Finally, additional bulk controls would ensure that new development adjacent to both sides of the High Line preserves light, air and views along the future High Line open space. Street walls with minimum and maximum heights would also be required in the remaining M1-5 district, where there is an especially high concentration of high street wall loft buildings. Refer to Chapter 2, "Land Use, Zoning, and Public Policy," and Chapter 8, "Urban Design/Visual Resources," which discuss the proposed zoning regulations and the expected buildings to be generated by the proposed action.

In the study area, certain architectural resources were identified as being potentially sensitive to indirect impacts that could result from the proposed action. Criteria used singly, or in conjunction, to make this determination include:

- \* a resource's visual prominence;
- \* identifiable views that would be blocked;
- \* expected removal of an architectural resource that contributes to another's setting;
- \* location of an architectural resource in a primarily low-rise setting of parking lots, and/or nondescript structures that make it notable in the streetscape;
- \* the low-rise character of an architectural resource; and
- \* the location of multiple development sites adjacent to an architectural resource.

The majority of the architectural resources in the study area were determined not to be potentially sensitive to indirect impacts, because of one or more reasons, including: they are not located in close proximity to any of the projected or potential development sites; are located in the vicinity of existing large scale buildings generally similar in height and bulk to action-generated development; are themselves large and/or high-rise buildings; or, are not visually prominent. In addition, resources that are expected to be directly impacted by the proposed action due to demolition, were not considered to have the potential to be indirectly affected.

In all, a screening assessment identified 5 architectural resources that could be sensitive to indirect impacts. These include: the warehouse at 548 W. 28th Street (#4); Charles P. Rogers & Company Building (#7); Church of the Guardian Angel (#16); Seamen's House (#17); and the Chelsea Historic District (#18). The following paragraphs assess the proposed action's potential to have indirect impacts on these resources by 2013.

#### Warehouse at 548 W. 28th Street (#4) and Charles P. Rogers & Company Building (#7)

Although these resources are approximately a block apart and the specific conditions that would exist in the future with the proposed action are unique for each, their existing conditions are broadly similar and the nature of the indirect effects of the proposed action on these two resources is of the same type and intensity. Therefore, an assessment of these effects is presented in this section for both resources.

Under with-action conditions, the context and setting of 548 W. 28th Street (#4) and the Charles P. Rogers & Company Building (#7) would be changed; however, the change would not result in significant adverse impacts. These resources, which are currently among the tallest buildings in their immediate surroundings would be replaced by buildings several stories taller. The indirect effects of the proposed action on the warehouse at 548 W. 28th Street (#4) and the Charles P. Rogers & Company Building (#7) are not considered significant adverse impacts because the sites in the vicinity of the resources are currently occupied by parking lots and newer utilitarian buildings generally between 2- and 5-stories, which do not contribute to the visual prominence of the resources.

The new, project-generated buildings, though altering the context, would not substantially block public views of these resources. While the new buildings would generally be taller than buildings

under no-action conditions, with the notable exception of the nineteen-story Starrett-Lehigh building (#19), they would share similar characteristics, including relatively high street walls, high lot coverage, and would be setback from a maximum base height of 85 to 145 feet. The base of these buildings would be similar in height to some existing buildings which typically rise without setbacks. Therefore, significant adverse contextual impacts to resources #4 and #7 are not expected.

#### Church of the Guardian Angel (#16)

This resource is potentially sensitive to indirect effects due to its visual prominence and location relative to development sites. It is a 1-story structure, but due to its rounded arch vaulted ceiling it is equivalent in height to a 4-story building. It is located at the northwest corner of W. 21st Street and Tenth Avenue and its rear property line abuts the High Line. To the north is a rectory for the church. It is particularly visually prominent for two reasons: One, many of the surrounding buildings are low-rise, including those in the Chelsea Historic District (#18) across Tenth Avenue; and secondly, the church is a notable and unique building along the West Chelsea streetscape, which is otherwise dominated by commercial and industrial buildings.

Across W. 21st Street to the south of this resource is Projected Development Site 15. This is the only development site in immediate proximity of the church, though one block further on Tenth Avenue are Potential Development Site 42 (to the north) and Projected Development Site 18 (to the south). Projected Development Site 15 is currently occupied by a utilitarian 1-story building occupied by transportation/utility uses. This would be demolished and replaced by a new residential building with retail on the first two floors, with a maximum height of 120 feet. Further south along Tenth Avenue, other new buildings of similar heights would also replace low-rise buildings and surface parking/auto storage lots.

The action-generated development would change the visual setting of the church; however, it is not expected to result in significant adverse contextual impacts, as it would remove drab buildings and open lots which are not reflective of the historic pattern of the neighborhood's loft buildings. While the greater height of new buildings, particularly on Projected Development Site 15, would alter the visual prominence of the church by changing the scale of the church's immediate surroundings, this effect would be partially offset by the Special District regulations, which would require, in this area, a maximum height of 120 feet and lower heights at street intersections of 45 feet. Therefore, the bases of these buildings would be similar in height to some existing buildings which typically rise without setbacks. The lowered street wall requirement, intended to preserve light, air, and views to the High Line, would simultaneously ensure that development along the west side of Tenth Avenue would reflect the 45-foot street wall that predominates in the Chelsea Historic District east of Tenth Avenue. In addition, the Chelsea Historic District (#18) across Tenth Avenue would continue to provide a sympathetic context with its similar scale and streetscape.

### Seamen's House (#17)

This 8-story resource is potentially sensitive to indirect effects due to its visual prominence, location relative to development sites, and the blocking of public views by a new development on Projected Development Site 16, which is currently a surface parking lot. The building can be viewed from W. 19th Street and looking north along Eleventh Avenue across the open lot on Projected Development Site 16.

The proposed action would generate development taller than the resource. On Projected Development Site 16, directly south of the resource, a new residential building with ground-floor retail, with an expected maximum height of 175 feet, would replace the existing parking lot. On Projected Development Site 17, directly east of the resource, a new residential building with ground-floor retail, with a maximum height of approximately 120 feet, would replace the existing 1- and 4-story buildings on the site. On Projected Development Site 13, located across W. 20th Street from the resource, 1- and 2-story buildings on the W. 21st Street side of the site would be demolished and replaced by a new residential building with ground-floor retail, with an expected maximum height of approximately 265 feet, and the 5-story building on the W. 20th Street side of the site would be converted to residential use. In addition, surrounding these neighboring properties, there are additional projected and potential development sites that would result in additional new taller buildings.

With the implementation of these developments, the context and setting of the Seamen's House (#17) would be affected. This resource, which is currently among the tallest in its immediate surroundings, would be surrounded by buildings several stories taller. These indirect effects are not considered significant adverse impacts because many of the existing structures and lots to be removed as a result of the proposed action are newer, utilitarian buildings which do not contribute to the visual prominence of the resource. While the new buildings would be taller than most buildings in the area, with the notable exception of the nineteen-story Starrett-Lehigh building (#21), they would share similar characteristics with historic buildings in the area, including relatively high street walls, high lot coverage, and setbacks from a maximum base height of 85 to 145 feet. Therefore, significant adverse contextual impacts to resource #17 are not expected.

### Chelsea Historic District (#18)

This resource is potentially sensitive to indirect effects as it is comprised primarily of low-rise buildings and is across the street from development sites that would introduce buildings taller than what currently exists along Tenth Avenue in this area. Most buildings in the historic district, including those in proximity to the development sites, are rowhouses of 4 stories or less and are distinctive for their nineteenth century architectural styles and high quality design and layout reflecting the restricted covenants placed on the properties by Moore. Collectively, the district is notable for its cohesion, as a mostly intact concentration of historic buildings developed following a coordinated plan.

Projected Development Sites 15 and 18 and Potential Development Site 42 are located across Tenth Avenue from the Chelsea Historic District. As discussed above in relation to the Church of Guardian Angel (#16), the proposed action would induce new residential buildings, with a maximum height of approximately 120 feet (except for Potential Development Site 42, which could be 145 feet tall in its northern half), replacing low-rise buildings and lots.

This resource has long been notable for its contrast with the development pattern and scale of the area west of Tenth Avenue. While the blocks east of Tenth Avenue developed as a residential area, the area to its west emerged as a cluster of industrial and transportation uses oriented toward the piers along the river and the rail lines that culminated in the creation of the High Line, with a concentration of loft buildings. With the proposed action, this area would be redeveloped into a mixed use area with a concentration of residential buildings, including those facing the historic district. Redevelopment would occur on sites which currently detract from the character of Tenth Avenue, including vehicle storage buildings and parking lots. Bulk regulations of the proposed action would ensure that new development, while taller than the buildings within the historic district, is consistent with many existing buildings along Tenth Avenue. The requirements for a maximum height limit of 120 feet is consistent with the avenue's larger loft buildings, while the required low streetwall of 45 feet at the corners on the larger development sites is consistent with the many walk-up apartment buildings. While changing the setting at the boundary of the district, this would not alter the historic integrity of the district, which historically has been an enclave separated in scale and uses from its surroundings. As such, there would be no significant adverse impact on the Chelsea Historic District.

As with the other study area historic resources, the effects of action-generated shadows on the Chelsea Historic District are addressed in a separate section below.

#### **D. ARCHAEOLOGICAL RESOURCES**

The *CEQR Technical Manual* requires a detailed evaluation of an action's potential effect on archaeological resources if it would result in an in-ground disturbance to an area not previously excavated, and includes new excavation deeper and/or wider than previous excavation on the same site. For any actions that would result in new ground disturbance, assessment of both prehistoric and historic archaeological resources is generally appropriate.

The area of subsurface work of the proposed action is considered the impact area. As some of the projected and potential development sites would involve excavation or other types of in-ground disturbance on sites which may have not been previously excavated, LPC reviewed the sites to determine the potential for effects on archaeological resources. LPC determined that the impact area is not archaeologically sensitive for prehistoric and historic archaeological resources, therefore the proposed action does not have the potential to result in significant adverse archaeological impacts and no further analysis is necessary. Please refer to the LPC Archaeological Environmental Review letter attached in Appendix B.

## **E. BASE FAR SCENARIO**

If the lower density Base FAR Scenario is implemented instead of the proposed action, the effects generally would be similar or less severe than the proposed action. As with the proposed action, no archaeological effects are expected as LPC has determined that the area of potential effect is not archaeologically sensitive.

The direct effects of the Base FAR Scenario on architectural resources would be the same except, that the High Line would not be converted to a publicly accessible open space. Similarly, the construction effects would be the same as well. The indirect effects of the Base FAR Scenario would be somewhat less severe, as the heights and bulk of new buildings would be smaller, though all of the same projected and potential development sites are in the Base FAR Scenario's RWCDs.

## **F. CONCLUSION**

### *Architectural Resources*

In order to assess the potential architectural impacts of the proposed action, a study area was defined by drawing a 400-foot radius around the proposed action area. This study area contains 32 historic architectural resources and four additional resources which are located beyond the 400 foot study area were included because of their historic significance. This includes 17 resources located within the proposed action area, none of which are listed on the S/NR or LPC designated, but which are eligible for S/NR listing or LPC designation. These include the High Line, which would be directly affected by the proposed action, and eight resources located on projected and potential development sites that also could be directly affected by the proposed action. Of the 19 study area resources located outside the proposed action area, 11 are designated and eight are eligible.

As discussed above, the proposed action would result in significant adverse impacts to eight historic resources, including the demolition of two eligible resources, the E.R. Merrill Spring Company Building (#9) and the Manufacturing Building (#8) from development on Potential Development Sites 38 and 30, respectively, and the conversion of one resource, the Otis Elevator Building (#5), to residential use (Projected Development Site 7). These significant adverse impacts would be unmitigated because development activity on these eligible resources would occur as-of-right.

Inadvertent construction-related damage could potentially occur to five eligible resources including: the Wolf Building and Annex (#13); the Cornell Ironworks (aka Standard Oil Building) (#14); the Reynolds Metal Building (#15); the B&O Terminal (#26); and the Nabisco Complex (Chelsea Market) (#32). These significant adverse impacts would be unmitigated because development activity on these eligible resources would occur as-of-right. With respect to construction-related impacts, the five resources would be afforded limited protection under DOB regulations applicable to all buildings located adjacent to construction sites; however, since the resources are not S/NR-listed or NYLPC-designated, they are not afforded special protections under DOB's *TPPN 10/88*. The resources would be provided a measure of protection from construction as Building Code section 27-166 (C26-112.4), which requires that all lots, buildings, and service facilities adjacent

to foundation and earthwork areas be protected and supported in accordance with the requirements of Building Construction Subchapter 7 and Building Code Subchapters 11 and 19. Additional protective measures afforded under DOB 10/88, which apply to designated historic resources, would not be applicable in this case, unless the eligible resources are designated in the future prior to the initiation of construction. If they are not designated, however, they would not be subject to the above construction protection procedures, and may therefore be adversely impacted by adjacent development resulting from the proposed action.

***Archaeological Resources***

The proposed action would not result in significant adverse impacts on archaeological historic resources. As some of the projected and potential development sites would involve excavation or other types of in-ground disturbance on sites which may have not been previously excavated, LPC reviewed the sites to determine the potential for effects on archaeological resources. LPC determined that the impact area is not archaeologically sensitive and therefore the proposed action does not have the potential to result in significant adverse archaeological impacts and no further analysis is necessary.



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**George Thomas Little. Genealogical and family history of the state of Maine; (Volume 4). (page 45 of 129)**

Merrill rode a mahogany bay stallion, called "Old Tom." In a skirmish with Captain Crowninshield's mount, "Old Man," an inveterate kicker, the charger's skull was fractured. Lieutenant Merrill had a black body servant from South Carolina that furnished much musical entertainment for the troops.

After the close of the war, Mr. ^Merrill settled in the city of New York and again began the manufacture of springs. Having become a thorough workman and being industrious and shrewd in management, he steadily built up a successful business, which is still carried on by his sons. He was first located on West street, and after the business outgrew his quarters, he removed to Twenty-fifth street. In 1874 he bought land on West Twenty-eighth street, near the river, and built

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STATE OF MAINE.

1863

a factory expressly for his business. This has been subsequently enlarged until it covers six city lots, and a branch establishment of similar size was also constructed in Jersey City. The business is now incorporated under the name of the E. R. Merrill Spring- Company, and is still under the general supervision of its founder, though the conduct of the business is carried on by his sons. Mr. Merrill is an Episcopalian in religion and was long a member of St. Peter's Church in New York, being now a pew holder in Trinity Church at New Rochelle, where he has resided since 1905. In youth he was an ardent Democrat, but since the organization of the Republican party has been among its most faithful supporters. He is a member of James G. Rice Post, No. 29, G. A. R., of New York, in which he was many years chairman of the board of administration, and is also a member of the New York Commandery, Military Order of the Loyal Legion. He has long affiliated with St. John's Lodge, No. 1, A. F. and A. M., of New York. He married, January 17, 1859, in New York, Rubina Anna, daughter of James John and Frances (Hedgman) Denham. She was born in September, 1833, in Newark, New Jersey, and died February 15, 1888, at her home in New York. James John Denham was born June 13, 1799, in London, England, and died at Philadelphia, Pennsylvania, August 27, 1852. His wife, Frances Hedgman, was born February 2, 1803, in London, and survived her husband more than thirty-one years, dying December 15, 1883, in New York City. Mr. and Mrs. Merrill were the parents of seven

children, the first of whom, Edward William, died in infancy. The others are : Rubina Frances, William Converse, John Denham, Benjamin, James Richard and ^lary Lydia. The sons are all connected with the E. R. Merrill Spring Company, and the daughters reside with their father in New Rochelle. All received good educations in the city schools of New- York and Packard's Business School.

(For preceding generations .<^ee [Nathaniel](#) Merrill I.)

(V) Thomas, second son of  
MERRILL Deacon John and Lydia

(Haynes) Merrill, was born in Haverhill, where he was baptized in 1729, and died in 1789. Fie removed with his father to Concord, New Hampshire, where he married (first) Phebe Abbot, by wdiom he had children : Thomas, William and Enoch. He removed to Flopkinton, and had Amos and Phebe. In 1735 he moved back to Concord, Avhcrc his wife soon afterward died. In 1756

he was a lieutenant in the French war. He married (second; Widow Mchitable (Marri-man) Johnson, who bore him Stephen and Mchitable. He removed from Concord to Chester, thence to Pembroke, and thence to Conway. Fie married (third) Widow Abigail (Goodhue) Ambrose, by whom he had Jonathan .Vmbrose. His fourth wife was Widow Elizabeth (Abbot) Cummiigs, by whom he had John, Benjamin, Thomas.

(\T) John (2), eldest child of Thomas and Elizabeth (Abbot Cummings) 'Merrill, was a prominent physician, and resided in Portsmouth. Fie married Mary Southgate Boyd. Children: Isabella, Charles Benjamin, Ji)hn and ^lary.

(\TI) Colonel Charles Benjamin, eldest son of Dr. John and Mary Southgate (Boyd) Merrill, was born in Portland, April 14, 1827, and died in Portland, April 5, 1891. He was fitted in the Portland schools for Bowdoin, from which college he graduated in the class of 1847. Among his classmates were: Ex-: \Tayor Marshall, of Belfast; Rev. Dr. John Cotton Smith, of New York ; Henry Donald [Whitcomb](#), and General J. S. Whiting, of the [Confederate](#) service. After graduating he studied law in the office of Howard & Sheplev, of Portland, and in the Dane Law School of Flarvard, where he received the degree of LL.B. in 1849. He was admitted to the bar and pursued the practice of his profession until 1862. He had for a long time been interested in military matters, and had served as major on the staff of General S. J. Anderson in the old militia days. When he felt that his country called for his services to maintain its integrity he enlisted in the army, and July 16, 1862, was commissioned lieutenant-colonel of the Seventeenth Maine \ 'olunteers, and was mustered into service w'ith his regiment at Camp King, August 18, 1862. He was with this organization at the first battle of Fredericksburg, the Cedars, [Chancellorsville](#), Gettysburg, Wapping Heights, Auburn, Locust Grove, Mine Run, North Anna, Anderson House, first and second Deep Bottom, Peebles' Farm, and in the Spottsylvania campaign, for the most of the time in command of the regiment. For his soldierly bearing and gallant

conduct in these actions he received the special commendation of Major-Generals Berry, Birney, Egan and Wood. Colonel - Merrill resigned and was honorably discharged October 12, 1864. After leaving the army and returning to Portland he resumed practice of law, but losing his law library in the great fire of 1866, he abandoned the profession and en-

1864

STATE OF MAINE.

gaged in the manufacturing business as one of the incorporators of the Vestbrook Britannia Company. He was also later connected with the Berlin Mills Lumber Company. His health failed and he retired from active business about 1880. About the time of his retirement. Colonel Merrill was appointed one of the board of managers of the Soldiers' Orphan Asylum at Bath. He served as president of the board for several years, and gave his best abilities to the performance of the duties of the position as a sacred trust. He was a member of the Military Order of the Loyal Legion, and was twice elected to the office of commander, his last term expiring about 1890. He was a member of Bosworth Post, G. A. R., for several years, and was also a member of Atlantic Lodge, F. and A. ^L In politics he was a Democrat. He represented Ward Five in the [common council](#) 1853-54, and for sixteen years was a member of the school committee. He was a strong churchman, and for over twenty-five years was one of the wardens of St. Luke's Cathedral. He was a man of excellent business qualities, a capital executive officer, and a genial, agreeable gentleman. He married, in Portland, September 24, 1856, Abba Isabella Little, who was born November 27, 1834, died October, 1897, daughter of Tosiiah S. and Abba (Chamberlain) Little. (See Little VII.) They had eight children.

(VIII) John F. A. Merrill, son of Colonel Charles R. and Abba I. (Little) Merrill, was born in Portland, February 10, 1866. He received his [early education](#) in the common schools, from which he went to Yale College, where he graduated in 1889. He afterward studied law in the office of Judge William L. Putnam and in Harvard Law School, and was admitted to the bar in April, 1892. He soon afterward opened an office on Exchange street, and has since successfully practiced his profession. In politics he is a Democrat, and has always taken an active part in state and local politics. He served as a member of the common council of Portland for one year, on the city board of aldermen two years, member of the school committee one term, in 1896 was elected to the state senate of Maine, and at the present time (1909) is a member of the police examining board of the city of Portland. He has been a junior warden of St. Luke's Cathedral, being an Episcopalian in religious preference. He is a member of the New York City Hall Building Committee, and holds membership in the Portland Yacht Club, having served as its commodore in 1897, the

Portland Athletic Club, Portland Country Club and the Cumberland Club.

Major Merrill was born in MERRILL Lewiston, Maine, in about 1800. Although in this case the distant forms of history are somewhat shadowy and indistinct, we are bound to conclude that when Nathan N. Merrill, who went from his Bowdoin home to the tnitamed wilds of the Androscoggin valley, where the city of Lewiston now^ stands, he did not go unaccompanied. It is probable that one of his elder brothers went along. Men with tender families to protect did not plunge into the heart of the wilderness with its open and hidden terrors unless assured of support. Major was perhaps a nephew of Nathan, a son of an elder brother, and a grandson of Jacob preceding. Such education as the common school then afforded Major obtained, and became a farmer. He married a Miss Stevens, and had the following children : Stephen S., Samuel P., Major B., George, Seba S., William True, Sarah, Martha, Ida and Carrie.

Stephen S., first son of Major and

(Stevens) Merrill, was born in Auburn and there educated. He learned the shoemaker's trade, which he followed for more than forty years, one-half of the time as foreman of the Dingley, Strout Company. He served in the civil war as a member of Company D of the Maine Coast Guards. He is a member of Burnside Post, [Grand Army](#) of the Republic, of Tranquil Lodge, Ancient Free and Accepted Masons. In political principles he was a Democrat, and served as councilman in his native city. He married Deborah S., daughter of Jacob and Rebecca (Campbell) Royal. Their children were : Fred W., Clarence A., Charles E., mentioned below, and Jacob Bradbury.

Charles [Edwin](#), third son of Stephen S. and Deborah S. (Royal) Merrill, was born in Auburn, September 29. 1865, and became a pupil in the local school at the usual age. He learned the shoemaker's trade, but his health compelled him to seek other employment, and he entered a carriage factory as a journeyman. After three years of this, he secured an appointment as mail carrier at the Auburn postoffice, and although this is a political position he continued in the service despite party changes for twenty years, which evinces that he is a capable official. In March, 1905, he purchased the interest of the late A. M. Roak, in Roak & Plummer's undertaking establishment. He is a member of Blue Lodge, An-

STATE OF .MAINE.

i8')5

ciciit Free and .-Xcccptcd Masons, of the Royal -A roll Chapter, of the Council, and the Knights Templar, in all of which degrees he has held office. He has presided over all the bodies of the York, also present presiding officer of .Auburn Council, Frinces of Jerusalem, also member of Kora Temple, A. A. O. N. M. S.,

of Lewiston. He is a member of the Sons of Veterans, and state commander of the Alaine division, a member of the Patrons of Husbandry, and of the Pilgrim Fathers. In 1906 he was- urgently solicited to run for mayor on his party's ticket, but declined the honor. He married, September 28, 1899, .\ddie, daughter of [Josiah](#) and I-vowena (Pratt) Duran. One daughter, \'erna L., born .August 12, 1891.

The subject of this sketch is MERRILL undoubtedly a member of the numerous jMerrill family of New England, which descended from the immigrant, Nathaniel Alerrill.

Henry F'oster, son of Samuel [Noyes](#) and (Foster) Alerrill, was born in Portland, February 15, 1865. He was educated in the schools of Portland, and at eleven years of age took a position as clerk in the employ of Hall S. Davis, where he remained two years, and then learned the trade of bookbinder in the same establishment, at which he was employed the following six y-ears, remaining with Mr. Davis eight years. In 1886 he became bookkeeper for Randall & McAllister, coal merchants, and proved himself an efficient employe ; he was advanced from one position of responsibility to another until the incorporation of the company in 1895. when he was made treasurer of the concern, and since that time has contributed much to the success of the business. He is a zealous Republican, and a member of the Congregational church. He is a member of no fraternal societies or clubs, is domestic in his habits, and spends his leisure time principally with his family. He is an enthusiast regarding motor vehicles, and finds his principal out-of-door diversion in operating them. He married, in Portland, June 16, 1886, Mabel .\.. daughter of John F. and Elvira S. (Sargent) Randall "(see Randall sketch). They have one child, Ruth Elizabeth, born January 2, 1894.

The original seat of this CONVERSE family was in Xavarre,

France, from which place removed to England Roger de Coigniers, near the close of the reign of William the Conqueror. He was appointed constable of Dur-

ham by the bishop of Durham. .Among his descendants Conyers of Hnrdsn, Durham, was created a baronet, July 1, 1548. Sir Humphrey of the eighth generation wrote the name Coigners, and Sir Christopher f>f the twentieth generation adopted the form Conyers. Those bearing the name in Navarre were Huguenots or French Protestants, and in the Massacre of St. Bartholomew's day in 1572 many of his family fell victims. At this time Pierre Coigniers. who was attached to the court of Henry the I\' of I-'rancc, made his escape with his wife and two infants and settled in the county of Esse.x, England. In England the spelling of the name was quite naturally changed to correspond with its pronunciation of Conyers. Some of the descendants now spell it Convers and it took this form for some generations after coming to .America.

(I) The immigrant ancestor was Deacon

Edward Convers, who came to New England in the fleet of Governor Winthrop in 1630, and settled in Charlestown, Massachusetts. In 1631 a grant was made to him of the first ferry between Charlestown and Boston, and of this he retained control for several years under the favor of the general court. In the same year he was admitted a freeman, and was selectman from 1635 to 1640. His name is first on the list of seven commissioners appointed by the church in Charlestown to arrange for a settlement at Woburn. With others he removed to the new town and ably assisted in its settlement and organization, and after its incorporation he became one of its most useful and honored citizens. He was selectman of the town from 1644 until his death, and was one of the commissioners for the trial of minor causes. He was also one of the founders of the Woburn church and a deacon for many years. His residence was in what is now a part of Winchester, and there he died August 10, 1663, aged seventy-three years. He was accompanied on his journey to America by his wife Sarah and several children. She died January 14, 1662, and he was married (second) September following, to Joanna, widow of Ralph Sprague. He had three sons and a daughter: Josiah, James, Samuel and Mary.

(II) Sergeant Samuel, youngest son of Deacon Edward and Sarah Convers, baptized March 12, 1657, in the First Congregational Church of Charlestown. died February 20, 1669. at Woburn. He was admitted as a freeman, and was sergeant in the Woburn Train Band. He was a miller by trade, having inherited, with

i860

STATE OF MAINE.

his brother, a corn mill from their father, and it was in this mill that he met his untimely death, which is described in the minutes and records of East Cambridge, as follows: "We, Isaac Brooks and James Thompson, being about the 21 of February . . . 69, in the Corn mill belonging to the Converses, at Woodburne, on one of a suddaine we heard a voice about the mill wheel saying, stop the wheel, upon which, the said Thompson did run to the mill gate & looking towards the mill wheel he saw as he thought a man laid down and cried out my unkl'c is killed. Isaac in the mean time did run to the water wheel and found Samuel Convers with his head fastened between the water wheel and the water wall." "The said Thompson in the mean time did shut the gate and came running to the sd Brooks. Now the water wheel being turned backwards did raise him upwards and we seeing his head cleared went unto him and did take him up alive who bled excessively. We did carry him into his house and soon after we brought him in bleeding stopped & in about half an hours time as we conceive he was quite departed."

He was married June 8. 1660, to Judith Carter, who survived him, and afterward married Giles Fifield. and died in 1677. Her father, Rev. Thomas Carter, was a minister

in Woburn, where he preached forty-two years, and died September 5. 1684, aged seventy-four years. He embarked from London, England, in 1635, on board the "Planter," and took the freeman's oath in Dedham, Massachusetts, March 9. 1636, and moved to Watertown, where he had a ten-acre lot and also ninety acres of farm land aside from his homestead. He became a minister at Woburn in 1642. He was described as a "reverend, godly man, apt to teach the sound soul and wholesome truths of Christ." The children of Samuel and Judith Convers were: Samuel and Abigail.

(11) Samuel (2), only son of Samuel (1) and Judith (Carter) Convers, was born about 1662, in Woburn, was left fatherless at the age of seven years, and was but sixteen years of age at the time of his mother's death. After her second marriage she resided in Charlestown, where he lived until her death. In 1710 he, with his family, removed to Thompson parish, Killingly, Connecticut, where he settled on a farm, he being the first settler at Thompson. His farm was located where, later, the village of Putnam was laid out. and was sixty miles due west from Boston. They found their way to this (then) wilderness by means of

blazed trees. In 1716 he sold and purchased other lands where his sons settled and where they were active in building the Thompson meeting house, his name heading the list of members at date of organization in 1730. He was married, prior to 1694, to Dorcas (whose maiden name is unknown), and their children were : Samuel, Edward, Thomas, Dorcas, Pain and Josiah.

(12) Edward, second son of Samuel (2) and Dorcas Convers, born in Woburn, September 25. 1696, died at Thompson, Connecticut. July 9. 1784. At the age of fourteen he accompanied his parents to Thompson, and received from his father a farm of fifty acres near the old homestead, where he built the house occupied by himself and sons, the well known "Convers Tavern." He was a man of remarkable energy and was very prominent in public affairs, including church work. He was also active in military affairs, serving as ensign for many years. He repaired bridges, surveyed lands, collected and distributed school money and settled with distressed Baptists, on "easy terms as he could." He was clerk constable in 1732. His tavern was well patronized. and "Landlord Convers" school district heads the list of those laid out in 1762. He was married August 6. 1717, to Elizabeth, daughter of John and Elizabeth Cooper. She died February 19. 1776, in her seventy-sixth year. Their children were: James, Edward, Jonathan, Jacob, Asa, Jesse, Elizabeth (died young), Zacharias, Elizabeth and Susanna.

(13) Captain Edward (2), second son of Ensign Edward (1) and Elizabeth (Cooper) Convers, baptized November 8, 1720, at Killingly, Connecticut, died December. 1800, at Windsor, Massachusetts. He was a farmer and occupied a farm on the river, which he received from his father-in-law. He was appointed captain of Company 7. Eleventh Regiment of militia, united with the church in 1741. and was a very active member of that society. He was married to Mary Davis, whose father had bought a large farm on French river in 1715. Their children were:

Samuel Davis. Edward (died young), Edward, Amasa, Mary and Abigail.

(\n Samuel Davis, eldest son of Captain Edward (2) and Mary (Davis) Convers, born February 1, 1741. baptized February 17. 1742, died in South Worthington, Massachusetts. He lived in Chesterfield, New Hampshire. until 1782. when he removed to Dummerston, Vermont. and he later removed from that place to South Worthington. where he died at his son Elisha's home. He was one of thir-

STATE OF MAINE.

1867

two inhabitants of Chesterfield, reported as refusals to sign the famous "Association Test." He was a private in the Chesterfield company, under Lieutenant Robertson, who marched to Ticonderoga, June 29, 1777. He was married to Elizabeth Harris, and they were the parents of the following children : Willard, Elizabeth, Walter, John, Elisha and Polly.

(\n Dr. John, third son of Samuel Davis and Elizabeth (Harris) Converse, was born March 5, 1772, Chesterfield. He settled in Durham, Maine, before 1797, and lived in a house on the north side of "Eunice's Brook," and afterward built a house on the bank of the river. The History of Durham says of him :

"Dr. Converse still lives in tradition as a good citizen and skilful physician." He died December 5, 1815, aged forty-three years, and is buried in the old cemetery near the North Meeting House, and the epitaph on his tombstone reads thus: "Thousands of journeys night and day I've traveled, weary all the way, To heal the sick, but now I'm gone A journey never to return." He was married March 17, 1799, to Sally, daughter of Ichabod and Abigail (Hayes) Hanson, of Windham, who was born October 4, 1774. Their children were : Orilla, Veranus, Sally, Mary, Minerva, John Harris, Elizabeth, Harriet and Laura W.

(VIII) Mary, fourth child of Dr. John and Sally (Hanson) Converse, born November 19, 1804. was married October 5. 1827, to Edward Merrill, of New Bedford, Massachusetts (see Merrill, VII).

(MID Minerva, fifth child of Dr. John and Sally (Hanson) Converse, was born February 27, 1807. in Durham, and became the wife of William R. Kendall, of Freeport, Maine (see Kendall, VII).

(VIII) John Harris, youngest son of Dr. John and Sally (Hanson) Converse, born December 27, 1808, at Durham, died June 13, 1880. at Newcastle, and was buried in Glidden street cemetery. He was probate judge of Lincoln county from 1862 to 1876, and had the respect and esteem of all with whom he associated. He was married June 7, 1836, to Mary Ann, daughter of John Horn and Lydia (Watson) Connor, born in Belfast, Maine, June 21, 1812, died January 22, 1892, at Christ

Church Home, Philadelphia, Pennsylvania.  
 Their children were : William Hubbard, died in Newton. Kansas ; Edward Merrill ; Frank Horn, died Maiden, Massachusetts, and was buried in Forestdale cemetery, that city.

This is an English family  
 CUSHING whose members have borne

well their part in the development of this country, where the name has been prominent since the landing of the American ancestor. Like most proper names, this was most variously spelled before the sixteenth century, as shown by wills, deeds and other legal documents, still extant in Norfolk, England, where it may be found written in the following forms : Cushyng, Cushyn, Cushin, Cosyn, Cussheyn and other variations. Before the fourteenth century it was usually spelled Cusyn or Cosseyn ; the final g does not appear until fifteen hundred, when the name was spelled Cushyng. It is presumed that the name is derived from usage in connection with the land title of Cossey, a part of which landed estate was possessed by the Cushings for several generations. The first work of much importance in tracing the history of this family was undertaken by Caleb Cushing. who traced it to England in the vicinity of Norfolk, and there it was taken up by a professional genealogist of London. From the ancient manuscripts in the British Museum and other available sources, the fact is established that the name was a leading one in Norfolk county during the fifteenth and sixteenth centuries, including lords of numerous manors. Seven generations of English ancestry have been authentically established.

(I) William Cussyn, born in the fourteenth century, was a son or probably a grandson of Galfirclus Cusyn, of Norfolk county, named in

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## Going Coastal

### Industrial past key to future W. Chelsea historic district

*March 31, 2008 at 11:13 pm (<http://goingcoastal.wordpress.com/2008/03/31/industrial-past-key-to-future-w-chelsea-historic-district/>) | [Leave a comment \(http://goingcoastal.wordpress.com/2008/03/31/industrial-past-key-to-future-w-chelsea-historic-district/#respond\)](http://goingcoastal.wordpress.com/2008/03/31/industrial-past-key-to-future-w-chelsea-historic-district/#respond)*

In 1912, much like today, West Chelsea experienced a building boom.

On 11th Avenue, the Otis Elevator Company started constructing a seven-story, block-long monolith to house a service facility for the elevators it manufactured in Yonkers. The Baltimore and Ohio Railroad began to excavate for a massive terminal warehouse, to cover 25th to 27th Sts. from 11th to 13th Aves. And on 25th St. and 11th Ave., inventor Simon Zinn was planning to fill the block with a 10-story building “for the manufacture of metal novelties,” reported the New York Times.

But these buildings went up in the name of industry — not as palatial space: Otis came there to repair the elevators it manufactured, and the E.R. Merrill Spring Company made parts for automobiles and Sherman tanks on W. 27th St. After 1924, a new elevated rail line was built due to outcry over pedestrian deaths from passing freight trains. Many buildings — like the Starrett-Lehigh Building, a 2.2 million-square-foot railroad freight building at 601 W. 26th St. — received shipments on the third floor.

A collection of buildings like these may seem unlikely to constitute a historic district, as they are not the Clement Clarke Moore era-brownstones seen in the Chelsea Historic District. But the Landmarks Preservation Commission moved closer last week to approving a West Chelsea Historic District, from 25th St. heading north to the southern edge of 28th St. A few months after coming in second place on the real estate blog Curbed’s list of New York’s hottest new neighborhoods, the proposed district was placed on the LPC’s calendar for serious consideration.

The proposal was born from years of work by local preservationists, including State Sen. Tom Duane, City Council Speaker Christine Quinn and Edward Kirkland of Community Board 4. Recently, all sounded optimistic that the new designation would go through, but also expressed sadness that some of the area’s “historic resources” still sit unprotected. And so far, opposition even from developers has been muted, perhaps because landmark laws offer little protection that would prevent residential conversion of the former warehouses’ interiors.

Th district has been a long-held dream of local advocates, especially Kirkland, co-chair of CB4’s Landmarks Committee and a longtime board member of the Historic Districts Council. “I was the person who invented this district,” he told Chelsea Now. “I brought it up to Board 4 more than 10 years ago.” The idea was thrown out, Kirkland added, throughout the 1990s, as Chelsea became more chic and

the board considered converting some buildings for affordable housing. “But it didn’t come to a boil until the West Chelsea rezoning,” Kirkland said.

As part of that 2005 rezoning, which allowed for extensive residential development, Board 4 and Quinn secured a commitment from the Department of City Planning to mandate that the legally required listing of “historic resources,” for the re-zoning’s federal environmental impact statement (FEIS), include a sketch of a proposed district. That list identified 17 buildings as eligible for landmarking, as well as numerous others of significance, including the Hess Brothers Confectionary Factory on W. 30th St.; W. & J. Sloane Warehouse and Garage at 527-541 W. 29th St.; Cornell Ironworks, a.k.a., Standard Oil Offices, on W. 25th St.; and the Otis Elevator Building.

An early draft of LPC’s memo on the district, obtained by Chelsea Now, begins with the Otis building, citing how it fits the commission’s criteria for architectural and historical significance. “Constructed in 1911-12 to the designs of the noted architectural firm Clinton & Russell, the Otis Elevator Building is significant for its architecture and the historic contributions the company made... Otis is almost synonymous with elevators in New York City, and elevators are one of the three critical factors that contributed to the development of the skyscraper.” Not about to ignore the architecture, LPC notes that “The classical revival style building... featur[es] an impressive deeply projecting denticulated and bracketed cornice, elaborate cast-stone ornament and subtle but elegantly patterned buff colored tapestry brickwork,” calling it “a particularly handsome example.”

None of the above was surprising to local groups and legislators that have been working for years to protect these buildings.

### **‘It was amazing’**

As covered recently by Chelsea Now, LPC designation is the most surefire way to save historic buildings from the wrecking ball—far stronger than listing on state or federal lists of historic places. “New York has the nation’s strongest [preservation] laws,” LPC spokesperson Lisi de Bourbon said earlier this year. “Owners of designated buildings have to come to us before they do any work on a building designated as a landmark, or one in a historic district. We can say ‘no’ to an alteration or demolition if we feel it’s inappropriate.” And any developers planning to build within LPC-designated historic districts have to work with the commission, and receive a “Certificate of Appropriateness” for the project.

Chelsea already has a historic district from 19th to 23rd Sts. east of Eighth Avenue, blessed by the LPC 30 years ago; to the south, the newly designated Gansevoort Historic District protects 104 19th-century market buildings. But until now, only a few West Chelsea buildings have received individual designation, including the 1931 Starrett-Lehigh Building, designed by architects Cory & Cory.

According to Simeon Bankoff, executive director of the city’s Historic Districts Council, Starrett-Lehigh was renowned even back then. “It was one of the buildings in a 1932 modernism exhibition that was put on by the Museum of Modern Art,” Bankoff told Chelsea Now.

Other buildings on LPC’s list but not yet designated include the Cornell Iron Works building, the Reynolds Metal Company buildings, the Williams Building, the Otis Elevator building and the New York Terminal Warehouse Company’s Central Stores. The goal of the West Chelsea Historic District is to ensure that at least some of these buildings can be adapted for more current uses instead of torn down to make way for towers with more income-generating floor space.

Kirkland told Chelsea Now that in a white-hot real estate market like Chelsea's, advocates hoping to preserve historic resources identified in an EIS eventually give up after the Landmarks Preservation Commission declines to consider designation. But in the case, Kirkland added, "Tom Duane and Chris Quinn wouldn't let it go."

However, Duane aide Colin Casey and Bankoff both told Chelsea Now that it was Kirkland who kept the flame alive. "Ed took Tom on a tour back in October," Casey said. "It was amazing. You can see where the trains would go into the buildings on 27th street. Many of the buildings still have these low garages with huge bays and huge doors, for where the High Line would go in."

Soon after, Kirkland and fellow Board 4 veteran Robert Trentlyon enlisted the support of Save Chelsea, a local preservation group formed in opposition to the General Theological Seminary's plans for a high-rise residential tower on Ninth Ave. between 20th and 21st Sts. "One of the hopes for the proposed West Chelsea Historic District is that it would break up the massive modernity that's taking over the neighborhood," Save Chelsea president Mary Swartz told Chelsea Now in November.

Advocates enlisted veteran preservation expert Anthony Robins and the private preservation group The Society for the Architecture of the City for an independent study of the area that went directly to LPC. "It's confidential, which is why it's influential," Kirkland noted.

### **'They can gut if they want to'**

The final proposed district is much smaller than the area covered by the FEIS, excluding buildings like the Merrill Spring Company Building and reduced to the southern end of 28th St.

"You never get everything you want," Kirkland said, adding that he and LPC had also met directly with the owners of the affected buildings. "They were surprisingly receptive, with just a few exceptions."

This amenability may be rooted in cool economic facts, given that designation only applies to building facades. Kirkland and Bankoff reminded Chelsea Now that LPC designation would not prevent the buildings' interior from being converted to residences, condos or high-end offices. The Starrett-Lehigh Building, designated in 1970, now hosts upscale art galleries and offices of private companies like Martha Stewart's media group, after extensive interior renovations. "As long as the alteration doesn't change the facade, a building owner can do anything," Bankoff said. "They can gut the interior if they want to."

Nonetheless, with millions of square feet potentially at stake, the real estate community has not been entirely silent. Steven Spinola, the president of the Real Estate Board of New York, told the New York Sun in February: "I am questioning the common sense of doing something there unless it is exceptionally worthy of landmark consideration... why you would create a district on the perimeter of a major upzoning?"

But to Bankoff, the district is the perfect complement to the aggressive development going on in West Chelsea. "I think the two laws work well together," he commented.

In agreement was Josh Benson, co-founder of Friends of the High Line, whose organization is itself devoted to preserving a piece of the past—the last remaining fragment of the elevated railway. "Just as we at FHL are transforming a historic resource to modern uses," he said, "this district will provide important and rich context for all the exciting, major projects in the area, by important architects like Bob Fox, Frank Gehry and Jean Nouvel."

Asked about the next step in the process, de Bourbon would say only that “there will be a public hearing, and then we will come to a decision.” Most of those interviewed by Chelsea Now were optimistic that the district will be approved sometime within the year, before any damage can be done to the affected buildings.

“Listen—the area is meritorious,” Bankoff said. “It has a strong sense of place. And it adds to our understanding of New York’s industrial history.”

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[Partnership and CampGroup eye a partnership at Pier 40Museum looks to save ship by selling some](#) 

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## Appendix E: Qualifications

# Arlette Meader

## SENIOR ENVIRONMENTAL SCIENTIST

With over 17 years as a professional environmental scientist, Ms. Meader has extensive experience conducting: Phase I and Phase II Environmental Site Assessments; site investigations and remediation, including Brownfields Cleanup Program (BCP) and Environmental Restoration Program (ERP) projects, data collection and field inspections; soil sampling; groundwater well installation and monitoring; site remediation; and asbestos and lead paint surveys. Her experience includes managing projects for land conservancy, municipal, hospital, commercial, military, resort, and private developer clients. She has developed company standards and trained/mentored staff. Ms. Meader also has extensive experience with the preparation of environmental assessments/environmental impact statements under the Federal National Environmental Policy Act (NEPA).

### EDUCATION

- Bachelor of Science, Crop and Soil Environmental Sciences, Virginia Polytechnic Institute & State University, 1995

### AFFILIATIONS

- National Association of Environmental Professionals
- National Ground Water Association
- Air and Waste Management Association

### TRAINING

- OSHA Hazardous Waste Operations 40-Hour Technician Initial Course and refreshers
- CPR & First Aid
- Environmental Sampling Theory, 2009
- Sampling for Defensible Environmental Decisions, 2005
- ASTM Phase II Environmental Site Assessment Process, 2004
- US Dept of Energy Systematic Planning and Managing Uncertainty for Environmental Decision Making, 2002

### PROJECT EXPERIENCE

#### PHASE I AND II ENVIRONMENTAL SITE ASSESSMENTS

Managed numerous Phase I ESAs in accordance with ASTM 1527 and the Environmental Protection Agency's All Appropriate Inquiries Rule, and Phase II ESAs consistent with ASTM 1903. Sites have included large-tract undeveloped land, industrial facilities, commercial properties, agricultural lands, bridges, harbor areas, and resort and golf course properties. Other duties included training entry-level personnel in all aspects of Phase I/II ESAs and template preparation and updates. Prepared and implemented sampling and analysis plans for numerous due diligence projects for sites including National Grid properties, agricultural lands, gasoline stations/garage repair sites, industrial properties, a former incinerator site, a former munitions transfer area, and former U.S. Navy lands. Provided oversight of contractors to install soil borings, monitoring analytical data, development of work plan documents, and evaluation of various in situ remedial alternatives for subsurface solvent contamination. Duties include managing field activities, providing oversight of subcontractors, and report preparation.

#### BROWNFIELD PROJECT: FULLER ROAD SITE, CITY OF ALBANY, NY

Managing the Brownfields Cleanup Program project for a privately-owned industrial facility that was a former brush manufacturing facility with chlorinated solvent contamination. Efforts include assessment of existing analytical data, development of work plan documents, and evaluation of various in situ remedial alternatives for subsurface petroleum and solvent contamination. Duties include managing field activities, providing oversight of subcontractors, preparing reports (Remedial Investigation and Interim Remedial Measures Work Plans, Remedial Investigation Report, Alternatives Analysis, Remedial Work Plan, Final Engineering Report, Construction Completion Reports, and Operations, Maintenance & Monitoring Reports), and coordination with New York State's Department of Environmental Conservation (NYSDEC) and Department of Health (NYSDOH). Remedial investigation activities and remedial alternatives analysis tasks conducted to allow for potential future site development as either industrial or commercial uses. Project remedial actions include sub-slab depressurization system and a high vacuum extraction (HVE) and soil vapor extraction (SVE) system to address chlorinated and petroleum contamination. This project is on track to achieve a Certificate of Completion in March of 2013.

#### BROWNFIELD PROJECTS: FORMER FACTORY AND WAREHOUSE SITES FOR THE FRANKLIN COUNTY INDUSTRIAL DEVELOPMENT AGENCY

Managing two Environmental Restoration Program (ERP) projects for the Franklin County Industrial Development Agency. The Former Tru-Stitch Slipper Factory Site and Warehouse Site were previously used as facilities for an industrial manufacturer of branded footwear and performance leathers. Based on historic site uses, the investigation will include fuel for heat and typical wastes associated with mineral spirits, metals, volatile organic compounds for leather treatment/finishes. Responsibilities include working with the NYSDEC and NYSDOH to develop the work plan and a sampling approach to provide sufficient data but also minimize sampling efforts and costs. Managed Work Plan implementation that included tank closures and soil and groundwater sampling, and prepared the Remedial Investigation/Alternatives Analysis Reports (including a Fish and Wildlife Resources Impact Assessment) and Final Engineering Report. Also manage project budget and prepare progress reports. These projects are on track to receive Certificates of Completion in mid-2013.

#### BROWNFIELD PROJECT: ECONOQUICK GAS AND CAR WASH SITE FOR THE TOWN OF WARRENSBURG

Managed the ERP project for the Town of Warrensburg for a former car wash and fueling station with petroleum and chlorinated solvent contamination. Worked with the NYSDEC and NYSDOH to develop and implement the work plan, evaluate preliminary analytical data, and conduct additional evaluation of potential contaminant sources. Oversaw field activities that included asbestos abatement, tank closures, building demolition, and soil gas, soil and groundwater sampling; coordination with nearby property owners; and worked closely with subcontractors, including modifications to drilling methods in response to challenging lithologic conditions. Efforts included preparing Remedial Investigation Report and Final Engineering Report. The Certificate of Completion is pending NYSDEC signature in the first quarter of 2013.

**BROWNFIELD PROJECT: BOARD & PAPER MILL FOR THE TOWN OF WARRENSBURG**

Managed the ERP project for the Town of Warrensburg for a former paper mill with petroleum and polychlorinated biphenyl (PCB) contamination. Provided oversight of subsurface drilling and sampling activities, conducted data reduction, coordinated the Fish and Wildlife Resources Impact Assessment, and prepared the Remedial Investigation Report and Remedial Alternatives Analysis. Worked with the NYSDEC to provide sufficient documentation to allow for the Town's planned end use of the site for park land that will provide waterfront recreational access to the community. Efforts included management of project budget, preparing progress reports, and assembling financial documentation for the Town's records. This site achieved NYSDEC closure.

**BROWNFIELD PROJECT: FORMER STATEWIDE OIL SITE, CITY OF PORT JERVIS, NY**

Task Manager for a large ERP site in Port Jervis, NY which included a \$125,000 tank cleaning and removal action via an Interim Remedial Measure (IRM). Established contents for the IRM report, which was completed to the satisfaction of the City, NYSDEC, and EPA. Contributed to sections and overall technical review of the supplemental remedial investigation work plan and Remedial Investigation Report that received NYSDEC and NYSDOH approval. Prepared the Final Engineering Report/Construction Completion Report. Lead efforts to ensure compliance with NYSDEC reporting requirements for cost control reports, regular project status reports, and reporting for the Office of Minority and Women's Business Program; coordinated subcontractor bids and contracting for IRM work. This project is on track to achieve a Certificate of Completion by mid-2013.

**FORMER LAUNDRY FACILITY VOLUNTARY RESPONSE PROGRAM PROJECT – HAWAII DOH**

Managed a Voluntary Response Program project that used pump and treat methods, enhanced aerobic biodegradation treatment, and passive free product recovery to remediate heating oil contamination. Prepared documentation for and negotiated sampling approaches and remedial action selection with state agency. Work included coordinating and providing oversight of contractors conducting drilling, excavation, and well installation and abandonment activities, and sampling for proper disposal of contaminated soils and investigation derived wastes. Coordinated with architects during site construction to allow for continued monitoring during and after site redevelopment. Prepared Remedial Investigation Report, Health Risk Assessment, Remedial Alternatives Analysis Report, Remedial Action Memorandum, and Public Participation Plan. This project received Department closure in 2005.

**NJAC 7 COMPLIANT SITE INVESTIGATION/REMEDICATION AT THREE NEW JERSEY SITES**

Managing three national baking company sites with subsurface contamination that are under New Jersey Department of Environmental Protection (NJDEP) oversight. The East Brunswick site is undergoing remediation for chlorinated solvent contamination and being monitored for groundwater quality. The Middlesex site received closure. The Saddle Brook site is undergoing monitored natural attenuation, with closure pending. Work directly with NJDEP on the scope and execution of site activities, coordinate field activities, and prepare reports.

**US DEPARTMENT OF DEFENSE COMPLIANT ENVIRONMENTAL BASELINE SURVEYS**

Managed and conducted Environmental Baseline Surveys for U.S. Army acquisition of a 1,400-acre site and a 23,000-acre site, for transfer of a former Naval Magazine facility, for roadway easements, and for U.S. Air Force land leases. Issues included unexploded ordnance, a firing range, and active farm and ranch lands. Designed sampling plan, provided oversight of field work, and prepared report documenting results of Phase II Environmental Baseline Survey sampling for base realignment and closure of Naval Air Station Barbers Point.

**CONCEPT PLAN STUDIES AND FEDERAL NEPA & STATE LEVEL EA AND EIS DOCUMENTS**

Member of multi-disciplinary team that evaluated feasibility of sites for development of military facilities. Tasks included: researching environmental conditions; preparing hazardous materials abatement costs; developing approaches/costs for managing soil contamination; and evaluating design for applicability to LEED credits. Managed preparation of NEPA documents for various Department of Defense projects that included sewer line replacement, a telescope mirror coating facility, and land transfers. Prepared land use and recreation sections of Environmental Impact Statement for proposed Transformation of the 2<sup>nd</sup> Brigade, 25<sup>th</sup> Infantry Division (Light) to a Stryker Brigade Combat Team in Hawaii.

# Emily Pereira

## SENIOR ENVIRONMENTAL SCIENTIST/ PROJECT MANAGER

Ms. Pereira has 12 years of experience in the environmental science field. She manages and conducts Phase I Environmental Site Assessments (ESAs) for large-tract undeveloped parcels, commercial facilities, hospitals, development projects and industrial facilities. Through this work she has developed the effective communication skills needed to gain an understanding client needs and relate those needs to the investigations. Ms. Pereira is also responsible for project management, project oversight, and reporting for Phase II Environmental Site Assessments and asbestos surveys. Ms. Pereira manages and conducts asbestos surveys on industrial/commercial sites in New York State, New Jersey, Connecticut and Pennsylvania in compliance with the USEPA's Asbestos Hazard Emergency Response Act (AHERA) and Part 56 of Title 12 of the Official Compilation of Codes, Rules and regulations of the State of New York (Cites as 12 NYCRR Part 56).

### EDUCATION

- BS, Environmental Science, Marist College, 2000

### TRAINING

- OSHA Health and Safety at Hazardous Materials Sites Certification
- ASTM Phase Is and Phase IIs for Commercial Real Estate
- OSHA Confined Space Entry Certification
- OSHA Fall Protection Awareness Certification
- First Aid and CPR

### REGISTRATION

- Certified Asbestos Inspector, CT
- Asbestos Consultant-Inspector, NY
- Certified Asbestos Inspector, PA

### PROJECT EXPERIENCE

#### NYCDEP TERM CONTRACT PHASE I ESAS

Project Manager. Manages Phase I ESAs under a Term Contract for the New York City Department of Environmental Protection (NYCDEP) acquisition of watershed lands. Sites are primarily undeveloped or rural land and range from less than 10 acres to greater than 200 acres in area. The Phase I ESAs are tailored to meet NYSDEC specific requirements beyond ASTM including ecological, natural resources and historic preservation. For sites with identified conditions, prepares work plan and Phase IIs.

#### OPEN SPACE INSTITUTE PHASE I ESAS

Project Manager. Manages several Phase I ESAs for the Open Space Institute throughout New York State. Sites are primarily undeveloped or rural land and often include agricultural properties with residences. Sites range from less than 10 acres to greater than 1,000 acres in area.

#### PHASE I ESAS, MEDICAL FACILITIES

Project Manager. Ms. Pereira has conducted Phase I Environmental Site Assessments for large and small scale hospital and medical facilities in New York State. Hospitals include Vassar Brothers Medical Center, Albany Medical Center, Saint Luke's Cornwall Hospitals, Benedictine Hospital and Ellis Hospital.

#### PRIVATE CLIENT, KINGSTON, NY

Project Manager. Phase I ESA, Phase II ESA and Supplemental Phase II Investigation of a commercial facility. The Phase II investigation focused on an area of a former automobile repair garage which as identified through the Phase I ESA. Tetrachloroethene (PCE) contamination was identified in on-site groundwater through the Phase II investigation. A supplemental investigation was conducted to collect additional groundwater data points throughout the site, identify a source location through field screening with a portable gas chromatograph (GC), and assess vapor intrusion within the building through indoor air quality and sub-slab vapor sampling.

#### LOCAL UTILITY COMPANY, LLOYD, NY

Project Manager. Phase I ESA, Phase II ESA and Remedial Investigation of a warehouse, storage and maintenance facility for a utility client. Potential areas of contamination associated with historic underground tanks, potential dry wells and the on-site maintenance and storage of transformers and electrical equipment were identified. The Phase II soil and groundwater investigation identified contamination through subsurface exploration with the assistance of ground penetrating radar. A supplemental remedial investigation was conducted to determine the extent of impacts to soil and groundwater in order to develop a remedial action plan. Prepared approved work plans for remedial alternative and for additional RCRA Facility Investigation as per the facility's Part 373 permit Appendix III-B.

#### ASBESTOS SURVEYS, VARIOUS SITES

Project Manager. Manages and conducts surveys for various commercial clients in accordance with AHERA and New York State Code Rule 56 prior to property transactions, building renovation and demolition projects. Surveys include asbestos sampling and oversight, analysis of sample results, and report preparation. Reports are prepared for private use prior to property transactions and for submittal to the NYS Department of Labor. Sites include commercial buildings, large retail centers, and residential properties.

#### TANK /SPILL CLOSURES, VARIOUS SITES

Project Manager- Manages tank closures for petroleum bulk storage (PBS) facilities. Responsible for employee and subcontractor coordination, project oversight, NYSDEC notifications, preparing tank closure report and updating NYSDEC Petroleum Bulk Storage Certificate for the facility.

# **APPENDIX B**

## Soil Boring Geologic Logs

# TEST BORING AND WELL LOG

	<b>547 River Street</b> <b>Troy, New York 12180</b> Phn: (518) 273-0055 Fax: (518) 273-8391	<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00	<b>Well ID: MW-1</b>
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<b>Contractor:</b> Atlantic Testing <b>Drill Rig:</b> CME 45 Skid <b>Driller:</b> Harry Lyon <b>Inspector:</b> Eric Orłowski	<b>Start Date:</b> September 9, 2013 <b>Finish Date:</b> September 9, 2013 <b>El. Datum:</b> Assumed <b>G.S. Elevation:</b> 13	<b>Northing:</b> -- <b>Easting:</b> -- <b>Latitude:</b> See Figure <b>Longitude:</b> See Figure	<b>Total Depth:</b> 20.7 ft. <b>Borehole Dia.:</b> 9 in. <b>Depth to Water:</b> 10 ft. <b>Depth to Rock:</b> NA ft. <b>Depth of Well:</b> 18 ft.
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Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Sample Data	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1	-1							Installed at B-1 location, geologic descriptions are included on B-1 boring log.		Finished flush to floor slab with 8" diameter cast-iron roadbox.
2	-2						0 to 4 feet: Native material backfill			
3	-3						0 to 8 feet: 1" diameter solid PVC well riser			
4	-4						4 to 6 feet: Hydrated bentonite seal			
5	-5									
6	-6									
7	-7									
8	-8									
9	-9									
10	-10									
11	-11									
12	-12									
13	-13						8 to 18 feet: 1" diameter, 0.010-inch slot PVC well screen			
14	-14									
15	-15						6 to 20.7 feet: #0 silica sand filter pack			
16	-16									
17	-17									
18	-18						Bottom of Well: 18 feet			
19	-19									
20	-20						Bottom of Borehole: 20.7 feet			

**STANDARD NOTES:** 1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.  
 2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.  
 3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

**DRILLING INFORMATION**

<b>Method:</b>			
	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

**ADDITIONAL NOTES:**

# TEST BORING LOG

		<b>547 River Street</b> <b>Troy, New York 12180</b> Phn: (518) 273-0055 Fax: (518) 273-8391		<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00			<b>Test Boring No.:</b> <span style="font-size: 1.5em; font-weight: bold;">B-1</span>		
<b>Contractor:</b> Atlantic Testing <b>Drill Rig:</b> CME 45 Skid <b>Driller:</b> Harry Lyon <b>Inspector:</b> Eric Orlowski		<b>Start Date:</b> September 6, 2013 <b>Finish Date:</b> September 9, 2013 <b>El. Datum:</b> Assumed <b>G.S. Elevation:</b> 13		<b>Northing:</b> -- <b>Easting:</b> -- <b>Latitude:</b> See Figure <b>Longitude:</b> See Figure		<b>Total Depth:</b> 20.7 ft. <b>Borehole Dia.:</b> 9 in. <b>Water Depth:</b> 10 ft. <b>Rock Depth:</b> NA ft. <b>Sample Hammer:</b> Automatic			
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:
1	12		SS-1	--	12		SP	6" Concrete	
				5				Poorly Graded Sand (SP): Mostly fine to medium sand, trace silt, trace fine gravel, trace brick, coal/ash, dry, brown to black. PID < 1 PPM.	
				4					
				5					
2	11		SS-2	2	10		SP	SAA, dark brown, moist, PID < 1 PPM.	
				1					
				2					
3	10			1					
				2					
4	9		SS-3	5	12		SP	SAA, moist, PID < 1 PPM.	
				7					
				2					
5	8			3					
				3					
6	7		SS-4	3	14		SP	10" SAA, moist, PID < 1 PPM.	Approximate Strata Change
				10			SM	4" Silty Sand with Gravel (SM): Mostly fine sand, little silt, little fine sub-angular gravel, brown, moist, PID < 1 PPM.	
				9					
				6					
8	5		SS-5	WR	14		SM	Silty Sand (SM): Mostly fine to medium sand, little silt, brown to brown-grey, moist to wet, PID < 1 PPM.	
				WR					
				WH					
10	3		SS-6	1	22		SM	Silty Sand with Gravel (SM): Mostly fine sand, little silt, little fine sub-angular gravel, brown-grey, moist, PID < 1 PPM.	
				WH					
				WH					
12	1		SS-7	WH	19		SM	SAA, wet, PID < 1 PPM.	
				WH					
				WH					
14	-1		SS-8	WR	14		SM	SAA, wet, PID < 1 PPM.	
				1					
				3					
16	-3			3					
17	-4								
18	-5								
19	-6								
20	-7								
<b>METHODS:</b> HS- Hollow Stem Auger, RW- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer		<b>DRILLING INFORMATION</b>						Method: HS      0 to 20.7	
<b>SAMPLE TYPES:</b> AS- Auger, WS- Wash, SS- Split Spoon, RC- Rock Core, GS- Grab, ST- Shelby Tube, PS- Piston								Method:	
<b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.								Casing    Sample    Core	
<b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 25 feet.								Type      -      SS      --	
<b>NOTES:</b> 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.								Int Diam.    --      2"      --	
<b>ADDITIONAL NOTES:</b> 1. SAA = Same As Above								Weight      --      140 lb	
<b>ADDITIONAL NOTES:</b> 2. WH = Weight of Hammer, WR = Weight of Rods								Fall        --      30"	

# TEST BORING LOG

THE <b>Chazen</b> COMPANIES	547 River Street Troy, New York 12180 Phn: (518) 273-0055 Fax: (518) 273-8391	<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00	<b>Test Boring No.:</b> <b>B-1</b>  <b>Total Depth:</b> 20.7     ft.
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Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:
			SS-9	50/0.3	3		SM	SAA, trace red-brown ceramic fragments, wet, PID < 1 PPM.	Spoon refusal at 20.3 ft; auger refusal at 20.7 ft.
21	-8							Test Boring Terminated at 20.7 ft on potential utility	
22	-9								
23	-10								
24	-11								
25	-12								
26	-13								
27	-14								
28	-15								
29	-16								
30	-17								
31	-18								
32	-19								
33	-20								
34	-21								
35	-22								
36	-23								
37	-24								
38	-25								
39	-26								
40	-27								
41	-28								
42	-29								
43	-30								
44	-31								
45	-32								

**ADDITIONAL NOTES:**



# TEST BORING LOG

THE <b>Chazen</b> COMPANIES	547 River Street Troy, New York 12180 Phn: (518) 273-0055 Fax: (518) 273-8391	<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00	<b>Test Boring No.:</b> <b>B-2</b>  <b>Total Depth:</b> 29    ft.
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Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:
21	-8								
22	-9								Approximate Strata Change
23	-10		SS-10	9	8				
24	-11		RC-1	50/0.4				Completely weathered mica schist: Flakes of biotite and muscovite mica with little silt and trace fine sand, wet. PID <1 PPM.	Split spoon and auger refusal
25	-12			3:40				(24.0 to 25.9): Quartz, slightly weathered, with minor feldspar and muscovite mica. Near horizontal bedding. Fractures nearly horizontal and unstained.	REC for Quartz = 96% RQD for Quartz = 79.2% RQD - 3 pieces over 4" totaling 19"
26	-13			3:10					
27	-14			min				(25.9 to 29.0): Dark grey mica schist, slightly to moderately weathered. Bedding moderately to steeply angled. Fractures steeply angled and unstained.	REC for Schist = 86.1% RQD for Schist = 66.7% RQD - 2 pieces over 4" totaling 24"
28	-15			3:40					
29	-16			3:15				compressive strength = 2,202psi	
30	-17			min				Test Boring Terminated at 29 ft in Bedrock (Schist)	
31	-18								
32	-19								
33	-20								
34	-21								
35	-22								
36	-23								
37	-24								
38	-25								
39	-26								
40	-27								
41	-28								
42	-29								
43	-30								
44	-31								
45	-32								

**ADDITIONAL NOTES:**

# TEST BORING LOG

		<b>547 River Street</b> <b>Troy, New York 12180</b> Phn: (518) 273-0055 Fax: (518) 273-8391		<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00			<b>Test Boring No.:</b> <span style="font-size: 1.5em; font-weight: bold;">B-3</span>				
<b>Contractor:</b> Atlantic Testing <b>Drill Rig:</b> CME 45 Skid <b>Driller:</b> Harry Lyon <b>Inspector:</b> Eric Orłowski				<b>Start Date:</b> September 11, 2013 <b>Finish Date:</b> September 11, 2013 <b>El. Datum:</b> Assumed <b>G.S. Elevation:</b> 13		<b>Northing:</b> -- <b>Easting:</b> -- <b>Latitude:</b> See Figure <b>Longitude:</b> See Figure		<b>Total Depth:</b> 24.8 ft. <b>Borehole Dia.:</b> 9 in. <b>Water Depth:</b> 10 ft. <b>Rock Depth:</b> NA ft. <b>Sample Hammer:</b> Automatic			
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:		
1	12		SS-1	13				6" Concrete			
				18				7" Item 4 and pulverized concrete			
				28			SP	Poorly Graded Sand (SP): Mostly f. to med. sand, trace silt, trace fine gravel, trace brick, coal/ash, dry, brown to black. PID < 1 PPM.			
2	11			9				2" SAA, dry, PID < 1 PPM.	Approximate Strata Change		
			SS-2	6	8		SP	4" Poorly Graded Sand (SP), Mostly fine to medium sand, brown, dry, PID < 1 PPM.			
3	10			3			SP		Approximate Strata Change		
				2							
4	9			1					Approximate Strata Change		
			SS-3	4	12		SM	Silty Sand (SM): Mostly fine sand, some silt, trace brick, coal/ash, scrap metal, dry to moist, dark brown, PID < 1 PPM.			
5	8			2							
				2							
6	7			2							
			SS-4	4	9		SM	2" SAA, dry to moist, PID < 1 PPM.	Approximate Strata Change		
7	6			8			SM	7" Silty Sand (SM): Mostly fine sand, little silt, dry to moist, brown, PID < 1 PPM.			
				11							
8	5			8							
			SS-5	1	13		SM	SAA, moist, grey brown to grey, moderate weathered petroleum (fuel oil) odor, PID = 2.9 PPM.			
9	4			5							
				3							
10	3			3		▼					
			SS-6	3	17		SM	SAA, wet, grey, strong petroleum odor, PID = 10.2 PPM.			
11	2			2							
				1							
12	1			WH							
			SS-7	1	16		SM	4" SAA, wet, grey, strong petroleum odor, PID = 9.7 PPM.			
13	0			1				12" SAA, wet, brown, no odor, PID < 1 PPM.			
				1							
14	-1			2							
			SS-8	5	14		SM	SAA, wet, PID < 1 PPM.			
15	-2			3							
				4							
16	-3			4							
17	-4										
18	-5										
19	-6										
20	-7								Approximate Strata Change		
			SS-9	4	20						
<b>METHODS:</b> HS- Hollow Stem Auger, RW- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer <b>SAMPLE TYPES:</b> AS- Auger, WS- Wash, SS- Split Spoon, RC- Rock Core, GS- Grab, ST- Shelby Tube, PS- Piston <b>STANDARD:</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted. <b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 25 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.								<b>DRILLING INFORMATION</b> Method: HS      0 to 24.8 Method:			
<b>ADDITIONAL NOTES:</b> 1. SAA = Same As Above 2. WH = Weight of Hammer, WR = Weight of Rods								Casing	Sample	Core	
								Type	-	SS	--
								Int Diam.	--	2"	--
								Weight	--	140 lb	--
								Fall	--	30"	--

# TEST BORING LOG

		547 River Street Troy, New York 12180 Phn: (518) 273-0055 Fax: (518) 273-8391		<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00				<b>Test Boring No.:</b> <b>B-3</b>	
								<b>Total Depth:</b> 24.8   ft.	
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:
21	-8			3 4 4			ML	Silt with Fine Sand (ML): Mostly silt, litte fine sand, wet, brown, PID < 1 PPM.	
22	-9								Approximate Strata Change
23	-10								
24	-11								
25	-12		SS-10	50/0.3	4			Extremely weathered mica schist, little fine sand and silt, black/brown, Test Boring Terminated at 24.8 ft on bedrock (Schist)	Spoon and auger refusal at 24.8 feet
26	-13								
27	-14								
28	-15								
29	-16								
30	-17								
31	-18								
32	-19								
33	-20								
34	-21								
35	-22								
36	-23								
37	-24								
38	-25								
39	-26								
40	-27								
41	-28								
42	-29								
43	-30								
44	-31								
45	-32								

**ADDITIONAL NOTES:**

# TEST BORING AND WELL LOG

	<b>547 River Street</b> <b>Troy, New York 12180</b> Phn: (518) 273-0055 Fax: (518) 273-8391	<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00	<b>Well ID:</b> <span style="font-size: 1.5em; font-weight: bold;">MW-2</span>
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<b>Contractor:</b> Atlantic Testing <b>Drill Rig:</b> CME 45 Skid <b>Driller:</b> Harry Lyon <b>Inspector:</b> Eric Orłowski	<b>Start Date:</b> September 11, 2013 <b>Finish Date:</b> September 11, 2013 <b>El. Datum:</b> Assumed <b>G.S. Elevation:</b> 13	<b>Northing:</b> -- <b>Easting:</b> -- <b>Latitude:</b> See Figure <b>Longitude:</b> See Figure	<b>Total Depth:</b> 24.8 ft. <b>Borehole Dia.:</b> 9 in. <b>Depth to Water:</b> 10 ft. <b>Depth to Rock:</b> 24.8 ft. <b>Depth of Well:</b> 23 ft.
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Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Sample Data	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1	-1							Installed at B-3 location, geologic descriptions are included on B-3 boring log.		Finished flush to floor slab with 8" diameter cast-iron roadbox.
2	-2						0 to 3 feet: Native material backfill			
3	-3						0 to 8 feet: 1" diameter solid PVC well riser			
4	-4									
5	-5						3 to 5 feet: Hydrated bentonite seal			
6	-6									
7	-7									
8	-8									
9	-9									
10	-10									
11	-11									
12	-12									
13	-13						8 to 23 feet: 1" diameter, 0.010-inch slot PVC well screen			
14	-14									
15	-15						5 to 24.8 feet: #0 silica sand filter pack			
16	-16									
17	-17									
18	-18									
19	-19									
20	-20									

**STANDARD NOTES:** 1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.  
 2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.  
 3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

DRILLING INFORMATION			
Method:			
	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

**ADDITIONAL NOTES:**

**TEST BORING AND WELL LOG**

THE <b>Chazen</b> COMPANIES	547 River Street Troy, New York 12180 Phn: (518) 273-0055 Fax: (518) 273-8391	<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00	<b>Test Boring No.:</b> <b>MW-2</b> <hr/> <b>Total Depth:</b> 24.8 ft.
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Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:
21	-21								
22	-22								
23	-23								
24	-24								
25	-25								
26	-26								
27	-27								
28	-28								
29	-29								
30	-30								
31	-31								
32	-32								
33	-33								
34	-34								
35	-35								
36	-36								
37	-37								
38	-38								
39	-39								
40	-40								
41	-41								
42	-42								
43	-43								
44	-44								
45	-45								

**ADDITIONAL NOTES:**



# TEST BORING LOG

THE <i>Chazen</i> COMPANIES		547 River Street Troy, New York 12180 Phn: (518) 273-0055 Fax: (518) 273-8391		PROJECT: 530 West 28th Street LOCATION: Chelsea (Manhattan), New York CLIENT: Centaur Properties, LLC PROJECT NO.: 91337.00				Test Boring No.: <b>B-4</b>	
								Total Depth: 22.4 ft.	
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:
21	-8		SS-9	8	20		SP	6" Poorly Graded Sand (SP): Mostly sand wet, brown, PID < 1 PPM.	Approximate Strata Change
				10			SM	8" Silty Sand (SM): Mostly fine sand, some silt, trace fine rounded gravel, wet, red-brown, PID < 1 PPM.	Approximate Strata Change
				16					
				38				6" Heavily weathered mica schist, little silt, trace sand, black, wet SAA, wet	Spoon and auger refusal at 22.4 feet
22	-9		SS-10	50/0.4	4				
23	-10							Test Boring Terminated at 22.4 ft on bedrock (Schist)	
24	-11								
25	-12								
26	-13								
27	-14								
28	-15								
29	-16								
30	-17								
31	-18								
32	-19								
33	-20								
34	-21								
35	-22								
36	-23								
37	-24								
38	-25								
39	-26								
40	-27								
41	-28								
42	-29								
43	-30								
44	-31								
45	-32								

**ADDITIONAL NOTES:**

# TEST BORING LOG

		<b>547 River Street</b> <b>Troy, New York 12180</b> Phn: (518) 273-0055 Fax: (518) 273-8391		<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00			<b>Test Boring No.:</b> <b>B-5</b>				
		<b>Contractor:</b> Atlantic Testing <b>Drill Rig:</b> CME 45 Skid <b>Driller:</b> Harry Lyon <b>Inspector:</b> Eric Orłowski		<b>Start Date:</b> September 18, 2013 <b>Finish Date:</b> September 18, 2013 <b>El. Datum:</b> Assumed <b>G.S. Elevation:</b> 13		<b>Northing:</b> -- <b>Easting:</b> -- <b>Latitude:</b> See Figure <b>Longitude:</b> See Figure		<b>Total Depth:</b> 29 ft. <b>Borehole Dia.:</b> 9 in. <b>Water Depth:</b> 10 ft. <b>Rock Depth:</b> 24 ft. <b>Sample Hammer:</b> Automatic			
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:		
1	12		SS-1		8			12" Concrete			
				5				4" Coal, ash and concrete fragments			
				11				4" Brick fragments			
2	11		SS-2	1	12		SP	Poorly Graded Sand (SP): Mostly fine sand, trace silt, trace concrete, brick, coal/ash, dry, brown, PID < 1 PPM.			
3	10			WH							
				1							
4	9		SS-3	17	13		SP	4" SAA, dry, brown, PID < 1 PPM.			
5	8			6				9" Concrete fragments			
				7							
6	7		SS-4	2	16		SP	Poorly Graded Sand (SP): Mostly fine sand, trace silt, trace fine rounded gravel, moist, brown, PID < 1 PPM.	Approximate Strata Change		
7	6			4							
				4							
8	5		SS-5	1	14		SP	Poorly Graded Sand (SP): Mostly fine sand, trace silt, moist to wet, brown, PID < 1 PPM.			
9	4			WH							
				1							
10	3		SS-6	WH	16	▼	SP	SAA, wet, PID < 1 PPM.			
11	2			WH							
				1							
12	1		SS-7	1	12		SP	8" SAA, wet, PID < 1 PPM.	Approximate Strata Change		
13	0			9				4" Poorly Graded Sand with Gravel (SP): Mostly fine sand, little fine sub-rounded gravel, wet, brown, PID < 1 PPM.			
				7							
14	-1		SS-8	WR	4		SM	Silty Sand (SM): Mostly fine sand, little silt, trace fine sub-rounded gravel, wet, brown, PID < 1 PPM.	Approximate Strata Change		
15	-2			1							
				1							
16	-3			5							
17	-4										
18	-5								Approximate Strata Change		
19	-6										
20	-7		SS-9	2	18		SM	6" Silty Sand (SM): Mostly f. sand, little silt, wet, red-brown,			
<b>METHODS:</b> HS- Hollow Stem Auger, <b>RWH-</b> Rotary Wash, <b>SSA-</b> Solid Stem Auger, <b>CPT-</b> Cone Penetrometer								<b>DRILLING INFORMATION</b>			
<b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston								Method: HS	0 to 24.0		
<b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.								Method: RC	24 to 29.0		
<b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 25 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.								Casing	Sample	Core	
								Type	-	SS	NX
<b>ADDITIONAL NOTES:</b> 1. SAA = Same As Above 2. WH = Weight of Hammer, WR = Weight of Rods 3. RQD calculation disregards driller or vibration fractures in core samples.								Int Diam.	--	2"	2"
								Weight	--	140 lb	
								Fall	--	30"	

# TEST BORING LOG

THE <i>Chazen</i> COMPANIES		547 River Street Troy, New York 12180 Phn: (518) 273-0055 Fax: (518) 273-8391		PROJECT: 530 West 28th Street LOCATION: Chelsea (Manhattan), New York CLIENT: Centaur Properties, LLC PROJECT NO.: 91337.00				Test Boring No.: <b>B-5</b>	
								Total Depth: 29 ft.	
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:
21	-8			4 6 9			SP	PID < 1 PPM. 12" Poorly Graded Sand (SP): Mostly Sand, brown, wet PID < 1 PPM.	Approximate Strata Change
22	-9								
23	-10								
24	-11		RC-1	3:45				<div style="font-size: 4em; font-weight: bold;">X</div>	Auger refusal at 24 feet
25	-12			min			(24.0 to 26.0): Dark grey mica schist, slightly to moderately weathered. Bedding moderately to steeply angled. Fractures steeply angled and unstained.		REC for Schist = 96%
26	-13			3:20					RQD for Schist = 83.3%
27	-14			min			(26.0 to 27.5): Quartz, slightly weathered, with minor feldspar and muscovite mica. Near horizontal bedding. Fractures nearly horizontal and unstained.		RQD - 2 pieces over 4" totaling 20"
28	-15			4:30					REC for Quartz = 83.3%
29	-16			min				(27.5 to 29.0): Dark grey mica schist, slightly to moderately weathered. Bedding moderately to steeply angled. Fractures steeply angled and unstained.	RQD for Quartz = 72.2%
30	-17			4:40					RQD - 1 pieces over 4" totaling 13"
31	-18			min					REC for Schist = 77.8%
32	-19			3:50					RQD for Schist = 77.8%
33	-20			min					RQD - 1 pieces over 4" totaling 14"
34	-21							Test Boring Terminated at 29 ft in Bedrock (Schist)	
35	-22								compressive strength = 3,801 psi
36	-23								
37	-24								
38	-25								
39	-26								
40	-27								
41	-28								
42	-29								
43	-30								
44	-31								
45	-32								

**ADDITIONAL NOTES:**

# TEST BORING LOG

		<b>547 River Street</b> <b>Troy, New York 12180</b> Phn: (518) 273-0055 Fax: (518) 273-8391		<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00			<b>Test Boring No.:</b> <span style="font-size: 1.5em; font-weight: bold;">B-6</span>				
		<b>Contractor:</b> Atlantic Testing <b>Drill Rig:</b> CME 45 Skid <b>Driller:</b> Harry Lyon <b>Inspector:</b> Eric Orłowski		<b>Start Date:</b> September 17, 2013 <b>Finish Date:</b> September 17, 2013 <b>El. Datum:</b> Assumed <b>G.S. Elevation:</b> 13		<b>Northing:</b> -- <b>Easting:</b> -- <b>Latitude:</b> See Figure <b>Longitude:</b> See Figure		<b>Borehole Dia.:</b> 9 in. <b>Water Depth:</b> 10 ft. <b>Rock Depth:</b> 23 ft. <b>Sample Hammer:</b> Automatic			
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:		
1	12		SS-1		15			12" Concrete			
				4			SM	5" Coal, ash and brick fragments			
2	11		SS-2	14	12		SM	10" Silty Sand (SM): Mostly fine sand, little silt, dry, brown, PID < 1 PPM.			
3	10			14				SAA, trace concrete fragments, dry, brown, PID < 1 PPM.			
4	9		SS-3	3	11		SM	SAA, no coal/ash, dry, brown, PID < 1 PPM.			
5	8			5							
6	7		SS-4	6	14		SM	3" SAA, dry, brown, PID < 1 PPM.	Approximate Strata Change		
7	6			5			SP	11" Poorly Graded Sand (SP): Mostly fine sand, trace silt, moist, brown, PID < 1 PPM.			
8	5		SS-5	3				No recovery			
9	4			2							
10	3		SS-6	1	19		SP	Poorly Graded Sand (SP): Mostly fine to medium sand, trace silt, wet, brown, PID < 1 PPM.			
11	2			WH							
12	1		SS-7	1	12		SP	SAA, trace fine sub-rounded gravel, wet, brown, PID < 1 PPM.			
13	0			2							
14	-1		SS-8	1	12		SP	SAA, wet, brow, PID < 1 PPM.			
15	-2			3							
16	-3			3							
17	-4			5							
18	-5										
19	-6								Approximate Strata Change		
20	-7		SS-9	1	14						
<b>METHODS:</b> HS- Hollow Stem Auger, <b>RWH-</b> Rotary Wash, <b>SSA-</b> Solid Stem Auger, <b>CPT-</b> Cone Penetrometer								<b>DRILLING INFORMATION</b>			
<b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston								Method: HS   0 to 23.0			
<b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.								Method: RC   23 to 28.0			
<b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 25 feet.								Casing   Sample   Core			
3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.								Type	-	SS	NX
<b>ADDITIONAL</b> 1. SAA = Same As Above								Int Diam.	--	2"	2"
<b>NOTES:</b> 2. WH = Weight of Hammer, WR = Weight of Rods								Weight	--	140 lb	
3. RQD calculation disregards driller or vibration fractures in core samples.								Fall	--	30"	

# TEST BORING LOG

THE <i>Chazen</i> COMPANIES		547 River Street Troy, New York 12180 Phn: (518) 273-0055 Fax: (518) 273-8391		PROJECT: 530 West 28th Street LOCATION: Chelsea (Manhattan), New York CLIENT: Centaur Properties, LLC PROJECT NO.: 91337.00				Test Boring No.: <b>B-6</b> Total Depth: 28 ft.	
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:
21	-8			7 10 11			SM	8" Silty Sand (SM): Mostly fine sand, little silt, trace fine rounded gravel, wet, brown, PID < 1 PPM.	Approximate Strata Change
22	-9							6" Heavily weathered mica schist, little silt, trace sand, brown/black, wet	
23	-10		RC-1					(23.0 to 28.0): Dark grey mica schist, slightly to moderately weathered. Bedding moderately to steeply angled. Fractures steeply angled and unstained.	Auger Refusal at 23 feet
24	-11			1:12 min				<div style="font-size: 4em; font-weight: bold;">X</div>	REC for RC-1 = 98.3% RQD for RC-1 = 91.7% RQD - 1 piece of 55" length
25	-12			0:55 min					
26	-13			1:08 min					
27	-14			1:12 min					
28	-15			1:15 min					
29	-16							Test Boring Terminated at 28 ft in Bedrock (Schist)	
30	-17								
31	-18								
32	-19								
33	-20								
34	-21								
35	-22								
36	-23								
37	-24								
38	-25								
39	-26								
40	-27								
41	-28								
42	-29								
43	-30								
44	-31								
45	-32								

**ADDITIONAL NOTES:**

# TEST BORING LOG

		<b>547 River Street</b> <b>Troy, New York 12180</b> Phn: (518) 273-0055 Fax: (518) 273-8391		<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00			<b>Test Boring No.:</b> <span style="font-size: 1.5em; font-weight: bold;">B-7</span>				
<b>Contractor:</b> Atlantic Testing <b>Drill Rig:</b> CME 45 Skid <b>Driller:</b> Harry Lyon <b>Inspector:</b> Eric Orłowski		<b>Start Date:</b> September 16, 2013 <b>Finish Date:</b> September 16, 2013 <b>El. Datum:</b> Assumed <b>G.S. Elevation:</b> 13		<b>Northing:</b> -- <b>Easting:</b> -- <b>Latitude:</b> See Figure <b>Longitude:</b> See Figure		<b>Total Depth:</b> 21.7 ft. <b>Borehole Dia.:</b> 9 in. <b>Water Depth:</b> 10 ft. <b>Rock Depth:</b> 21.6 ft. <b>Sample Hammer:</b> Automatic					
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:		
1	12							18" Concrete			
2	11		SS-1	1	10		SP	Poorly Graded Sand (SP): Mostly fine sand, some coal/ash, trace silt, trace brick fragments, dry, brown/black, PID < 1 PPM.			
3	10		SS-2	2	10		SP	SAA, dry, brown/black, PID < 1 PPM.			
4	9			3							
5	8		SS-3	3	8		SP	SAA, trace schist fragments, dry, dark brown, PID < 1 PPM.			
6	7			1							
7	6			3				Utility encountered at 7.4 feet, boring relocated 8 feet to WNW. Samples below are from new location.			
8	5		SS-4	2	12		SP	2" SAA, moist, brown, PID < 1 PPM.	Approximate Strata Change		
9	4			2			SP	12" Poorly Graded Sand (SP): Mostly fine sand, trace silt, moist to wet, brown to red-brown, PID < 1 PPM.			
10	3		SS-5	1	2		SP	SAA, wet, brown to red-brown, PID < 1 PPM.			
11	2			WH							
12	1			1							
13	0		SS-6	WR	15		SP	10" SAA, wet, brown to red-brown, PID < 1 PPM.	Approximate Strata Change		
14	-1			WH			SP	5" Poorly Graded Sand (SP): Mostly fine to medium sand, trace fine rounded gravel, wet, grey-brown, PID < 1 PPM.			
15	-2		SS-7	7	16		SP	SAA, wet, grey-brown to brown, PID < 1 PPM.			
16	-3			9							
17	-4			12							
18	-5			10							
19	-6		SS-8	6	11		SP	4" Poorly Graded Sand with Gravel (SP): Mostly fine sand, little fine rounded gravel, trace silt, wet, grey, PID < 1 PPM.			
20	-7			6							
<b>METHODS:</b> HS- Hollow Stem Auger, RW- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer								<b>DRILLING INFORMATION</b>			
<b>SAMPLE TYPES:</b> AS- Auger, WS- Wash, SS- Split Spoon, RC- Rock Core, GS- Grab, ST- Shelby Tube, PS- Piston								Method:	HS	0 to 21.6	
<b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted.								Method:			
<b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 25 feet.									Casing	Sample	Core
<b>NOTES:</b> 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.								Type	-	SS	--
<b>ADDITIONAL</b> 1. SAA = Same As Above								Int Diam.	--	2"	--
<b>NOTES:</b> 2. WH = Weight of Hammer, WR = Weight of Rods								Weight	--	140 lb	
								Fall	--	30"	

# TEST BORING LOG

THE <i>Chazen</i> COMPANIES		547 River Street Troy, New York 12180 Phn: (518) 273-0055 Fax: (518) 273-8391		PROJECT: 530 West 28th Street LOCATION: Chelsea (Manhattan), New York CLIENT: Centaur Properties, LLC PROJECT NO.: 91337.00				Test Boring No.: <b>B-7</b> Total Depth: 21.7 ft.	
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:
21	-8			5 8			SM	Silty Sand (SM): Mostly fine sand, some silt, trace fine rounded gravel, wet, red-brown, PID < 1 PPM.	Approximate Strata Change
22	-9		SS-9	50/0.1	1			Extremely weathered mica schist, little fine sand and silt, black/brown, Test Boring Terminated at 21.7 ft on bedrock (Schist)	Approximate Strata Change Auger refusal at 21.6 feet Spoon refusal at 21.7 feet
23	-10								
24	-11								
25	-12								
26	-13								
27	-14								
28	-15								
29	-16								
30	-17								
31	-18								
32	-19								
33	-20								
34	-21								
35	-22								
36	-23								
37	-24								
38	-25								
39	-26								
40	-27								
41	-28								
42	-29								
43	-30								
44	-31								
45	-32								

**ADDITIONAL NOTES:**

# TEST BORING AND WELL LOG

	<b>547 River Street</b> <b>Troy, New York 12180</b> Phn: (518) 273-0055 Fax: (518) 273-8391	<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00	<b>Well ID: MW-3</b>
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<b>Contractor:</b> Atlantic Testing <b>Drill Rig:</b> CME 45 Skid <b>Driller:</b> Harry Lyon <b>Inspector:</b> Eric Orłowski	<b>Start Date:</b> September 16, 2013 <b>Finish Date:</b> September 16, 2013 <b>El. Datum:</b> Assumed <b>G.S. Elevation:</b> 13	<b>Northing:</b> -- <b>Easting:</b> -- <b>Latitude:</b> See Figure <b>Longitude:</b> See Figure	<b>Total Depth:</b> 21.7 ft. <b>Borehole Dia.:</b> 9 in. <b>Depth to Water:</b> 10 ft. <b>Depth to Rock:</b> 21.7 ft. <b>Depth of Well:</b> 21.5 ft.
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Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Sample Data	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1	-1							Installed at B-7 location, geologic descriptions are included on B-7 boring log.	[Well Diagram: 0-2.5 ft. Native material backfill]	Finished flush to floor slab with 8" diameter cast-iron roadbox.
2	-2							0 to 2.5 feet: Native material backfill	[Well Diagram: 0-6.5 ft. 1" diameter solid PVC well riser]	
3	-3							0 to 6.5 feet: 1" diameter solid PVC well riser	[Well Diagram: 2.5-4.5 ft. Hydrated bentonite seal]	
4	-4							2.5 to 4.5 feet: Hydrated bentonite seal	[Well Diagram: 6.5-21.5 ft. 1" diameter, 0.010-inch slot PVC well screen]	
5	-5								[Well Diagram: 4.5-21.7 ft. #0 silica sand filter pack]	
6	-6									
7	-7									
8	-8									
9	-9									
10	-10									
11	-11									
12	-12									
13	-13									
14	-14									
15	-15									
16	-16									
17	-17									
18	-18									
19	-19									
20	-20									

**STANDARD NOTES:** 1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.  
 2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.  
 3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

DRILLING INFORMATION			
Method:			
	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

**ADDITIONAL NOTES:**



# TEST BORING LOG

		<b>547 River Street</b> <b>Troy, New York 12180</b> Phn: (518) 273-0055 Fax: (518) 273-8391		<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00			<b>Test Boring No.:</b> <span style="font-size: 1.5em; font-weight: bold;">B-8</span>																						
		<b>Contractor:</b> Atlantic Testing <b>Drill Rig:</b> CME 45 Skid <b>Driller:</b> Harry Lyon <b>Inspector:</b> Eric Orłowski		<b>Start Date:</b> September 16, 2013 <b>Finish Date:</b> September 17, 2013 <b>El. Datum:</b> Assumed <b>G.S. Elevation:</b> 13		<b>Northing:</b> -- <b>Easting:</b> -- <b>Latitude:</b> See Figure <b>Longitude:</b> See Figure		<b>Borehole Dia.:</b> 9 in. <b>Water Depth:</b> 10 ft. <b>Rock Depth:</b> NA ft. <b>Sample Hammer:</b> Automatic																					
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:																				
1	12		SS-1		8			12" Concrete (slab) 4" concrete (fragments)																					
2	11			12			SP	Poorly Graded Sand (SP): Mostly fine sand, trace silt, trace fine gravel, trace brick, coal/ash, dry, brown to black. PID < 1 PPM.																					
3	10		SS-2	12	10		SP	SAA, little concrete fragments, dry, brown, PID < 1 PPM.																					
4	9			30																									
5	8		SS-3	5	14		SM	Silty Sand (SM): Mostly fine sand, little silt, trace concrete, brick, coal/ash, rock fragments, dry, brown, PID < 1 PPM.																					
6	7		SS-4	8	12		SM	SAA, dry, brown, PID < 1 PPM.																					
7	6			8																									
8	5		SS-5	3	13		SM	4" SAA, dry to moist, brown, PID < 1 PPM.																					
9	4			13			SM	9" SAA, dry to moist, grey, moderate weathered petroleum (fuel oil) odor, PID = 55.9 PPM.																					
10	3		SS-6	6	21	▼	SM	5" SAA, wet, grey, strong petroleum odor, PID = 95.3 PPM.	Approximate Strata Change																				
11	2			7			SM	16" Silty Sand (SM): Mostly fine sand, little silt, wet, grey strong petroleum odor, sheen on soil, PID = 101 PPM.																					
12	1		SS-7	1	10		SM	SAA, wet, grey to grey-black, moderate petroleum odor, PID = 14.1																					
13	0			2																									
14	-1		SS-8	1	12		SM	9" SAA, wet, brown, very slight petroleum odor, PID = 1.2 PPM.	Approximate Strata Change																				
15	-2			2			SP	3" Poorly Graded Sand (SP): Mostly fine to medium sand, wet, brown, no odor, PID < 1 PPM.																					
16	-3			4																									
17	-4							Test Boring Terminated at 17 feet in Fine to Medium Sand	Refusal not encountered, boring terminated to minimize the chance of creating a vertical conduit for impacts to migrate into deeper formations.																				
18	-5																												
19	-6																												
20	-7																												
<b>METHODS:</b> HS- Hollow Stem Auger, RWH- Rotary Wash, SSA- Solid Stem Auger, CPT- Cone Penetrometer <b>SAMPLE TYPES:</b> AS-Auger, WS-Wash, SS-Split Spoon, RC-Rock Core, GS-Grab, ST-Shelby Tube, PS-Piston								<b>DRILLING INFORMATION</b>																					
<b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted. <b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 25 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.								Method: HS      0 to 17.0 Method:																					
<b>ADDITIONAL NOTES:</b> 1. SAA = Same As Above 2. WH = Weight of Hammer, WR = Weight of Rods								<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th>Casing</th> <th>Sample</th> <th>Core</th> </tr> <tr> <td>Type</td> <td style="text-align: center;">-</td> <td style="text-align: center;">SS</td> <td style="text-align: center;">--</td> </tr> <tr> <td>Int Diam.</td> <td style="text-align: center;">--</td> <td style="text-align: center;">2"</td> <td style="text-align: center;">--</td> </tr> <tr> <td>Weight</td> <td style="text-align: center;">--</td> <td style="text-align: center;">140 lb</td> <td style="text-align: center;">--</td> </tr> <tr> <td>Fall</td> <td style="text-align: center;">--</td> <td style="text-align: center;">30"</td> <td style="text-align: center;">--</td> </tr> </table>			Casing	Sample	Core	Type	-	SS	--	Int Diam.	--	2"	--	Weight	--	140 lb	--	Fall	--	30"	--
	Casing	Sample	Core																										
Type	-	SS	--																										
Int Diam.	--	2"	--																										
Weight	--	140 lb	--																										
Fall	--	30"	--																										

# TEST BORING AND WELL LOG

	<b>547 River Street</b> <b>Troy, New York 12180</b> Phn: (518) 273-0055 Fax: (518) 273-8391	<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00	<b>Well ID: MW-5</b>
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<b>Contractor:</b> Atlantic Testing <b>Drill Rig:</b> CME 45 Skid <b>Driller:</b> Harry Lyon <b>Inspector:</b> Eric Orłowski	<b>Start Date:</b> September 17, 2013 <b>Finish Date:</b> September 17, 2013 <b>El. Datum:</b> Assumed <b>G.S. Elevation:</b> 13	<b>Northing:</b> -- <b>Easting:</b> -- <b>Latitude:</b> See Figure <b>Longitude:</b> See Figure	<b>Total Depth:</b> 17 ft. <b>Borehole Dia.:</b> 9 in. <b>Depth to Water:</b> 10 ft. <b>Depth to Rock:</b> NA ft. <b>Depth of Well:</b> 17 ft.
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Depth (Feet)	Elevation (Feet)	Casing Data	Sample No.	Sample Data	Recovery (Inches)	PID (ppm)	Group Symbol	Stratum and Field Descriptions:	Well Diagram	Field Notes, Well Notes, Comments:
1	-1							Installed at B-8 location, geologic descriptions are included on B-8 boring log.	[Well Diagram Symbol]	Finished flush to floor slab with 8" diameter cast-iron roadbox.
2	-2							0 to 3 feet: Native material backfill	[Well Diagram Symbol]	
3	-3							0 to 7 feet: 1" diameter solid PVC well riser	[Well Diagram Symbol]	
4	-4							3 to 5 feet: Hydrated bentonite seal	[Well Diagram Symbol]	
5	-5								[Well Diagram Symbol]	
6	-6								[Well Diagram Symbol]	
7	-7								[Well Diagram Symbol]	
8	-8								[Well Diagram Symbol]	
9	-9								[Well Diagram Symbol]	
10	-10								[Well Diagram Symbol]	
11	-11								[Well Diagram Symbol]	
12	-12							7 to 17 feet: 1" diameter, 0.010-inch slot PVC well screen	[Well Diagram Symbol]	
13	-13								[Well Diagram Symbol]	
14	-14								[Well Diagram Symbol]	
15	-15							5 to 17 feet: #0 silica sand filter pack	[Well Diagram Symbol]	
16	-16								[Well Diagram Symbol]	
17	-17							Bottom of Well and Borehole: 17 feet	[Well Diagram Symbol]	
18	-18								[Well Diagram Symbol]	
19	-19								[Well Diagram Symbol]	
20	-20								[Well Diagram Symbol]	

**STANDARD NOTES:** 1. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.  
 2. Samples classified in accordance with ASTM D-2488 unless otherwise noted.  
 3. Test Boring Log Page 1: 0 - 20 feet Each subsequent page: Additional 25 feet.

DRILLING INFORMATION			
Method:			
	Casing	Sample	Core
Type:			
Diam.:			
Weight:			
Fall:			

**ADDITIONAL NOTES:**

# TEST BORING LOG

		<b>547 River Street</b> <b>Troy, New York 12180</b> Phn: (518) 273-0055 Fax: (518) 273-8391		<b>PROJECT:</b> 530 West 28th Street <b>LOCATION:</b> Chelsea (Manhattan), New York <b>CLIENT:</b> Centaur Properties, LLC <b>PROJECT NO.:</b> 91337.00			<b>Test Boring No.:</b> <span style="font-size: 1.5em; font-weight: bold;">B-9 / MW-4</span>				
		<b>Contractor:</b> Not Applicable <b>Drill Rig:</b> GeoProbe LB Sampler <b>Driller:</b> Eric Orłowski <b>Inspector:</b> Eric Orłowski		<b>Start Date:</b> September 9, 2013 <b>Finish Date:</b> September 9, 2013 <b>El. Datum:</b> Assumed <b>G.S. Elevation:</b> 3		<b>Northing:</b> -- <b>Easting:</b> -- <b>Latitude:</b> See Figure <b>Longitude:</b> See Figure		<b>Total Depth:</b> 6 ft. <b>Borehole Dia.:</b> 1.75 in. <b>Water Depth:</b> 2 ft. <b>Rock Depth:</b> NA ft. <b>Sample Hammer:</b> NA			
Depth (Ft)	Elevation (Ft)	Casing Blows	Sample No.	SPT Blows	Recovery(in)	Groundwater	Group Symbol	Stratum and Field Descriptions:	Field Notes, Comments:		
1	2		S-1		0			0 -8" Concrete and Item 4 Gravel No Recovery - Gravel clast lodged in tip of spoon.			
2	1		S-2		14	▼	SM	Silty Sand (SM): Mostly fine sand, little silt, grey, moist to wet, weathered fuel oil odor. PID = 2.7 PPM.			
3	0										
4	-1		S-3		20		SM	6" SAA, PID = 2.3 PPM. 14" SAA, wet, brown-grey, very slight weathered fuel oil odor, PID <1 PPM.			
5	-2										
6	-3							Test Boring Terminated at 6 ft in Silty Sand			
7	-4								Bottom of Well: 6 ft.		
8	-5										
9	-6										
10	-7										
11	-8										
12	-9										
13	-10										
14	-11										
15	-12										
16	-13										
17	-14										
18	-15										
19	-16										
20	-17										
<b>METHODS:</b> <span style="color: red;">HS</span> - Hollow Stem Auger, <span style="color: blue;">RWH</span> - Rotary Wash, <span style="color: red;">SSA</span> - Solid Stem Auger, <span style="color: blue;">DP</span> - Direct Push <b>SAMPLE TYPES:</b> <span style="color: red;">AS</span> -Auger, <span style="color: blue;">WS</span> -Wash, <span style="color: red;">SS</span> -Split Spoon, <span style="color: blue;">RC</span> -Rock Core, <span style="color: red;">GS</span> -Grab, <span style="color: blue;">ST</span> -Shelby Tube, <span style="color: red;">PS</span> -Piston <b>STANDARD</b> 1. Samples classified in accordance with ASTM D-2488 unless otherwise noted. <b>NOTES:</b> 2. Test Boring Log Page 1: 0 - 20 feet. Each subsequent page: Additional 25 feet. 3. Refer to the "Interpretation of Subsurface Logs" for additional symbology and abbreviation definitions.								DRILLING INFORMATION			
<b>ADDITIONAL NOTES:</b> 1. SAA = Same As Above								Method: DP		0 to 6.0	
								Method:			
		Casing		Sample		Core					
Type		-		-		-					
Int Diam.		--		--		--					
Weight		--		--		--					
Fall		--		--		--					

# **APPENDIX C**

## **SVI Sampling Logs**



# **APPENDIX D**

## Laboratory Data Tables

Table 2A: Volatile Organic Compounds  
 WC-28thSt-Realty,  
 530 West 28th Street, Manhattan, New York

Analytes	SCOs		Sample ID (Location and depth)																				
	6.8 (a)	6.8 (b)	CP-SB-1			CP-SB-2		CP-SB-3			CP-SB-4			CP-SB-6		CP-SB-7			CP-SB-8			CP-SB-9	
			(0-2)	(8-10)	(14-16)	(2-4)	(14-16)	(0-2)	(10-12)	(14-16)	(1-2)	(10-12)	(14-16)	(1-2)	(14-16)	(0.8-2.8)	(8-10)	(14-16)	(2-4)	(10-12)	(14-16)	(2-4)	(4.5-6)
1,1,1,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.68	100	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	0.27	26	ND	ND	ND	ND	ND	ND	0.0047	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	0.33	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3.6	52	ND	ND	ND	ND	ND	ND	0.025	ND	ND	ND	0.0045	ND	ND	ND	ND	ND	0.38	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.02	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8.4	52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2.4	49	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.8	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	0.1	13	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NS	NS	ND	0.0033 J	ND	ND	ND	0.0034 J	0.034	0.0027 J	0.0095	ND	ND	ND	ND	ND	ND	0.012	ND	ND	ND	ND	ND
2-Chlorotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	0.05	100	0.025	0.045	0.026	0.048	0.037	<b>0.083</b>	<b>0.13</b>	0.041	<b>0.084</b>	ND	0.014	0.0035	0.036	0.037	0.027	0.0068 J	<b>0.064</b>	0.40	0.046	0.031	0.023
Benzene	0.06	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0025	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	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	0.76	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.1	100	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	0.37	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	0.25	100	ND	ND	0.025	ND	0.0071 J	ND	0.035	0.015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0035 J	0.0038 J	
cis-1,3-Dichloropropylene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1	41	ND	ND	ND	ND	ND	ND	0.019	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	ND	ND	ND
Isopropylbenzene	NS	NS	ND	ND	ND	ND	ND	ND	0.016	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.34	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	0.93	100	ND	ND	ND	ND	0.0070 J	ND	0.022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	0.05	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 2A: Volatile Organic Compounds  
 WC-28thSt-Realty,  
 530 West 28th Street, Manhattan, New York

Analytes	SCOs		Sample ID (Location and depth)																					
	6.8 (a)	6.8 (b)	CP-SB-1			CP-SB-2		CP-SB-3			CP-SB-4			CP-SB-6		CP-SB-7			CP-SB-8			CP-SB-9		
			(0-2)	(8-10)	(14-16)	(2-4)	(14-16)	(0-2)	(10-12)	(14-16)	(1-2)	(10-12)	(14-16)	(1-2)	(14-16)	(0.8-2.8)	(8-10)	(14-16)	(2-4)	(10-12)	(14-16)	(2-4)	(4.5-6)	
Naphthalene	NS	NS	ND	ND	ND	0.0039 J	ND	ND	ND	ND	ND	ND	ND	0.0048	0.052	0.054	ND	ND	ND	ND	13	ND	ND	ND
n-Butylbenzene	12	100	ND	ND	ND	ND	ND	ND	0.036	ND	ND	ND	ND	ND	0.91	ND	ND	ND						
n-Propylbenzene	3.9	100	ND	ND	ND	ND	ND	ND	0.027	ND	ND	ND	ND	ND	0.74	ND	ND	ND						
o-Xylene	0.26	100	ND	ND	ND	ND	ND	ND	0.0078 J	ND	ND	ND	ND	ND	ND	ND	ND	ND						
p- & m- Xylenes			ND	ND	ND	ND	ND	ND	ND	0.040	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NS	NS	ND	ND	ND	ND	ND	ND	0.0060 J	ND	ND	ND	ND	ND	ND	ND	ND	ND						
sec-Butylbenzene	11	100	ND	ND	ND	ND	ND	ND	0.040	ND	ND	ND	ND	ND	0.44	ND	ND	ND						
Styrene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5.9	100	ND	ND	ND	ND	ND	ND	0.0066 J	ND	ND	ND	ND	ND	ND	ND	ND	ND						
Tetrachloroethylene	1.3	19	ND	ND	ND	ND	ND	ND	0.017	ND	ND	ND	ND	ND	ND	ND	ND	ND						
Toluene	0.7	100	ND	ND	ND	ND	ND	ND	0.013	ND	ND	ND	ND	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	0.19	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	0.47	21	ND	ND	ND	ND	ND	ND	0.013	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	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	0.02	0.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, Total	0.26	100	ND	ND	ND	ND	ND	ND	0.048	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

- 1) NS = No standard exists for this compound
- 2) \* = This standard applies to the sum of these compounds
- 3) ND = Not detected above the laboratory minimum detection limit
- 4) Concentrations exceeding Part 375 Unrestricted Use SCOs are posted in **BOLD**.
- 5) Concentrations exceeding Part 375 Restricted Residential Use SCOs are shaded yellow.
- 6) Concentrations exceeding Part 375 Commercial Use SCOs are shaded orange.
- 7) Concentrations exceeding Part 375 Industrial Use Scos are shaded red.
- 8) CRQL for all sample results less than applicable standards
- 9) SCOs = Soil Clean-up Objectives per 6 NYCRR part 375-6.8
- 10) 6.8(a) Unrestricted Use
- 11) 6.8(b) Restricted residential Use
- 12) All results in mg/kg (ppm)

Table 2B  
SVOC Soil Sample Results  
WC-28thSt Realty  
530 West 28th Street, Manhattan

ANALYTES	SCO		Sample ID (Location and depth)																				
	6.8 (a)	6.8 (b)	CP-SB-1			CP-SB-2		CP-SB-3			CP-SB-4			CP-SB-6		CP-SB-7			CP-SB-8			CP-SB-9	
			(0-2)	(8-10)	(14-16)	(2-4)	(14-16)	(0-2)	(10-12)	(14-16)	(1-2)	(10-12)	(14-16)	(1-2)	(14-16)	(0.8-2.8)	(8-10)	(14-16)	(2-4)	(10-12)	(14-16)	(2-4)	(4.5-6)
Acenaphthene	20	100	ND	ND	ND	2.27	ND	1.46	0.252	ND	ND	ND	ND	ND	ND	ND	ND						
Acenaphthylene	100	100	ND	ND	ND	0.522	ND	0.0603	ND	ND	ND	ND	ND	ND	ND	ND							
Aniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100	100	0.606	ND	ND	4.10	ND	3.66	ND	ND	ND	ND	ND	2.07	0.324	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1	1	1.23	ND	ND	4.97	ND	5.50	ND	ND	ND	ND	ND	3.41	0.565	0.540	0.137	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1	1	1.28	ND	ND	1.88	ND	3.02	ND	ND	ND	ND	ND	4.59	0.643	0.611	0.134	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1	1	1.64	ND	ND	2.56	ND	2.88	ND	ND	ND	ND	ND	3.65	0.731	0.476	0.0988	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	100	100	0.648	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	NS	NS	ND	ND	ND	2.12	ND	3.12	ND	ND	ND	ND	ND	4.52	0.666	0.510	0.115	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.8	3.9	0.914	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl butyl phthalate	NS	NS	ND	ND	ND	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	ND	ND	ND
4-Chloro-3-methylphenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	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	ND	ND	ND
Bis(2-ethylhexyl)phthalate	NS	NS	0.307	ND	ND	ND	ND	ND	ND	ND	ND	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	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	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	NS	ND	ND	ND	5.52	ND	4.55	ND	ND	ND	ND	ND	4.32	0.609	0.731	0.168	ND	ND	ND	ND	ND	ND
Chrysene	1	3.9	1.20	ND	ND	0.262	ND	ND	ND	ND	ND	ND	ND	ND									
Dibenzo(a,h)anthracene	0.33	0.33	0.318	ND	ND	1.87	ND	1.63	0.271	ND	ND	ND	ND	ND	ND	ND	ND						
Dibenzofuran	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	NS	NS	ND	ND	ND	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	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	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	ND	ND	ND
2,4-Dimethylphenol	NS	NS	ND	ND	ND	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	ND	ND	ND
4,6-Dinitro-2-methylphenol	NS	NS	ND	ND	ND	ND	ND	13.3	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	ND	ND	ND
2,4-Dinitrophenol	NS	NS	ND	ND	ND	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	ND	ND	ND
2,4-Dinitrotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	0.643	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-octyl phthalate	NS	NS	ND	ND	ND	14.0	ND	11.3	ND	ND	0.613	ND	ND	11.5	2.23	1.19	0.344	ND	ND	ND	ND	ND	ND
Fluoranthene	100	100	2.79	ND	ND	1.79	ND	1.58	0.287	ND	ND	ND	ND	ND	ND	ND	ND						
Fluorene	30	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	NS	NS	ND	ND	ND	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	ND	ND	ND
Hexachlorocyclopentadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NS	NS	ND	ND	ND	0.504	ND	0.0882	ND	0.0704	ND	ND	ND	ND	ND	ND							
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.611	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	NS	NS	ND	ND	ND	0.862	ND	1.38	0.245	ND	ND	ND	ND	0.337	ND	ND	ND						
2-Methylnaphthalene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	0.33	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 2B  
SVOC Soil Sample Results  
WC-28thSt Realty  
530 West 28th Street, Manhattan

ANALYTES	SCO		Sample ID (Location and depth)																					
	6.8 (a)	6.8 (b)	CP-SB-1			CP-SB-2		CP-SB-3			CP-SB-4			CP-SB-6		CP-SB-7			CP-SB-8			CP-SB-9		
			(0-2)	(8-10)	(14-16)	(2-4)	(14-16)	(0-2)	(10-12)	(14-16)	(1-2)	(10-12)	(14-16)	(1-2)	(14-16)	(0.8-2.8)	(8-10)	(14-16)	(2-4)	(10-12)	(14-16)	(2-4)	(4.5-6)	
3- & 4-Methylphenols	0.66 *	200 *	ND	ND	ND	<b>1.56</b>	ND	<b>4.70</b>	<b>0.872</b>	ND	ND	ND	ND	0.0679	ND	ND	ND							
Naphthalene	12	100	0.345	ND	ND	ND	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	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	ND	ND	ND	ND
Nitrobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	ND	ND	ND	ND
N-nitroso-di-n-propylamine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	0.8	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	100	2.34	ND	ND	16.9	0.0611	10.3	ND	ND	ND	ND	ND	0.140	14.2	2.37	0.810	0.302	ND	ND	0.0549	ND	ND	ND
Phenol	0.33	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	100	100	2.36	ND	ND	11.3	ND	9.82	ND	ND	ND	0.643	ND	ND	9.03	1.31	1.15	0.373	ND	ND	ND	ND	ND	ND
Pyridine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

- 1) NS = No standard exists for this compound
- 2) \* = This standard applies to the sum of these compounds
- 3) ND = Not detected above the laboratory minimum detection limit
- 4) Concentrations exceeding Part 375 Unrestricted Use SCOs are posted in **BOLD**.
- 5) Concentrations exceeding Part 375 Restricted Residential Use SCOs are shaded yellow.
- 6) Concentrations exceeding Part 375 Commercial Use SCOs are shaded orange.
- 7) Concentrations exceeding Part 375 Industrial Use Scos are shaded red.
- 8) CRQL for all sample results less than applicable standards
- 9) SCOs = Soil Clean-up Objectives per 6 NYCRR part 375-6.8
- 10) 6.8(a) Unrestricted Use
- 11) 6.8(b) Restricted residential Use
- 12) All results in mg/kg (ppm)

Table 2 C: TAL Sample Results  
 WC-28th St Realty  
 530 W. 28th St, Manhattan

ANALYTES	SCO		Sample ID (Location and depth)																				
	6.8 (a)	6.8 (b)	CP-SB-1			CP-SB-2		CP-SB-3			CP-SB-4			CP-SB-6		CP-SB-7			CP-SB-8			CP-SB-9	
			(0-2)	(8-10)	(14-16)	(2-4)	(14-16)	(0-2)	(10-12)	(14-16)	(1-2)	(10-12)	(14-16)	(1-2)	(14-16)	(0.8-2.8)	(8-10)	(14-16)	(2-4)	(10-12)	(14-16)	(2-4)	(4.5-6)
Aluminum	NS	NS	4030	11200	13000	4620	11000	6020	6740	8030	5450	5750	7490	4080	6660	6740	7500	6020	5290	8330	5940	8430	9140
Antimony	NS	NS	6.31	ND	ND	3.90	ND	ND	ND	ND	0.884	ND	ND	ND	ND	539	0.877	ND	1.27	ND	ND	ND	ND
Arsenic	13	16	4.54	2.38	2.90	<b>14.7</b>	3.02	4.73	1.80	2.23	5.38	2.62	2.56	3.31	1.96	384	2.60	1.85	2.24	2.65	1.31	2.52	2.63
Barium	350	400	878	47.1	48.1	957	53.0	102	53.3	48.8	85.5	35.2	42.2	47.6	33.6	112	43.2	21.0	115	36.4	26.2	31.3	32.9
Beryllium	7.2	72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	2.5	4.3	6.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.484	ND	ND	0.766	ND	ND	ND	ND
Calcium	NS	NS	14200	971	824	17300	1380	42500	1220	1050	46000	1510	2120	2690	1260	23900	1190	797	32200	1230	914	1350	1170
Chromium	30	180	26.9	15.6	17.1	13.4	16.6	18.1	12.5	12.6	39.0	8.89	24.1	8.25	9.71	14.7	11.5	8.14	65.8	12.1	11.3	10.2	10.6
Cobalt	NS	NS	20.2	5.72	7.99	13.1	10.6	4.99	8.03	7.57	5.50	5.77	6.10	6.47	6.02	29.6	5.76	5.09	10.4	6.96	5.85	6.05	6.61
Copper	50	270	216	9.88	12.9	162	29.0	41.5	45.7	37.1	414	11.3	16.7	20.2	12.2	440	12.9	9.62	224	12.7	11.5	11.5	13.0
Iron	NS	NS	191000	16400	19800	68200	26000	18200	20100	19800	31900	16100	18100	17500	12900	20800	14800	12700	62600	14700	10300	15600	17200
Lead	63	400	7810	7.29	6.81	13400	12.7	145	197	143	159	5.60	58.7	83.5	25.9	752	6.08	4.29	807	9.61	7.54	12.0	6.48
Magnesium	NS	NS	1880	2500	3390	2010	3940	6300	2550	2840	2890	2680	2590	1500	2660	6080	2600	2450	3370	3040	2340	3210	3520
Manganese	1600	2000	1170	254	316	455	863	237	351	315	353	328	306	198	254	241	146	131	532	265	171	148	165
Nickel	30	310	24.3	16.3	18.4	26.3	27.5	18.7	20.6	19.2	26.7	15.8	19.2	16.3	16.8	24.8	13.8	14.0	42.5	15.0	13.2	15.0	16.7
Potassium	NS	NS	1130	1210	1520	1110	1350	1250	1150	1230	1320	725	946	863	761	1610	1070	662	1500	1260	1150	875	938
Selenium	3.9	180	ND	1.17	ND	ND	1.47	1.36	ND	1.97	ND	ND	2.97	1.48	ND	1.29	1.59						
Silver	2	180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	NS	NS	285	176	272	594	379	631	296	298	661	380	350	319	321	1100	195	159	732	220	164	279	258
Thallium	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NS	NS	21.0	20.2	21.9	15.7	23.4	24.7	14.2	15.2	14.8	10.2	13.6	15.0	11.3	20.3	15.0	11.1	22.9	16.1	12.9	13.2	14.2
Zinc	109	10000	687	25.5	38.1	900	59.5	132	68.0	59.4	84.4	33.1	56.8	34.5	34.9	396	30.4	24.3	1900	33.9	22.3	33.7	35.1
Mercury	0.18	0.81	10.1	0.0533	0.0273	6.01	0.0124	0.706	0.182	0.110	0.278	0.0203	0.115	0.626	0.167	1.17	0.0346	0.00899	0.586	0.00917	0.00999	0.0109	0.0245
Cyanide	27	27	ND	ND	ND	0.586	ND	ND	ND	ND	ND	ND	ND	ND									

NOTES:

- 1) NS = No standard exists for this compound
- 2) \* = This standard applies to the sum of these compounds
- 3) ND = Not detected above the laboratory minimum detection limit
- 4) Concentrations exceeding Part 375 Unrestricted Use SCOs are posted in **BOLD**.
- 5) Concentrations exceeding Part 375 Restricted Residential Use SCOs are shaded yellow.
- 6) Concentrations exceeding Part 375 Commercial Use SCOs are shaded orange.
- 7) Concentrations exceeding Part 375 Industrial Use SCOs are shaded red.
- 8) CRQL for all sample results less than applicable standards
- 9) SCOs = Soil Clean-up Objectives per 6 NYCRR part 375-6.8
- 10) 6.8(a) Unrestricted Use
- 11) 6.8(b) Restricted residential Use
- 12) All results in mg/kg (ppm)

Table 3A: Groundwater Sample Results  
Volatile Organic Compounds  
WC 28th St Realty  
530 West 28th Street, Manhattan

ANALYTE	AWQS	CP-MW-1	CP-MW-2	CP-MW-3	CP-MW-4	CP-MW-5
1,1,1,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	5	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	6.2	ND	ND	3.9 J	ND
1,1-Dichloroethylene	5	ND	ND	ND	0.94 J	ND
1,1-Dichloropropylene	5	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	0.04	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.04	ND	ND	ND	ND	ND
1,2-Dibromoethane	NL	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND
2,2-Dichloropropane	5	ND	ND	ND	ND	ND
2-Butanone (MEK)	50	3.1 J	ND	ND	ND	ND
2-Chlorotoluene	5	ND	ND	ND	ND	ND
4-Chlorotoluene	5	ND	ND	ND	ND	ND
Acetone	50 GV	9.8	14	7.8	ND	ND
Benzene	1	ND	ND	ND	ND	ND
Bromobenzene	5	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND
Bromodichloromethane	50 GV	ND	ND	ND	ND	ND
Bromoform	50 GV	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND
Chloromethane	NL	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	5	<b>24</b>	<b>20</b>	ND	<b>120</b>	ND
cis-1,3-Dichloropropylene	0.4	ND	ND	ND	ND	ND

Table 3A: Groundwater Sample Results  
Volatile Organic Compounds  
WC 28th St Realty  
530 West 28th Street, Manhattan

ANALYTE	AWQS	CP-MW-1	CP-MW-2	CP-MW-3	CP-MW-4	CP-MW-5
Dibromochloromethane	50 GV	ND	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND	ND
Dichlorodifluoromethane	5	ND	ND	ND	ND	ND
Ethyl Benzene	5	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND
Methyl tert-butyl ether (MTBE)	10	<b>15</b>	7.8	ND	ND	ND
Methylene chloride	5	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND
p- & m- Xylenes	5	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND
Tetrachloroethylene	5	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	5	ND	ND	ND	1.5 J	ND
trans-1,3-Dichloropropylene	0.4	ND	ND	ND	ND	ND
Trichloroethylene	5	ND	ND	ND	ND	ND
Trichlorofluoromethane	5	ND	ND	ND	ND	ND
Vinyl Chloride	2	<b>3.0 J</b>	ND	ND	<b>3.0 J</b>	ND
Xylenes, Total	5	ND	ND	ND	ND	ND
Vinyl acetate	NR	ND	ND	ND	ND	ND

NOTES:

- 1) AWQS = Ambient Water Quality Standards per 6 NYCRR Part 703 for class GA groundwater.
- 2) ND = Not Detected above the laboratory minimum detection limit.
- 3) J = Estimated concentration < MDL and >RL
- 4) **BOLD -Exceeds applicable standard**
- 5) Results in µg/l (ppb)
- 6) NL = Not Listed in Part 703
- 7) GV = Guidance Value only
- 8) NR = Listed Non-regulated Compound
- 9) Dilution factor for all samples = 1 (none)
- 10) NDL for all sample results less than or equal to the applicable standard
- 11) Reporting limits equal to 5 µg/l for all results except Xylene at 10 µg/l

Table 3B: Groundwater Sample Results  
Semi-Volatile Compounds  
WC 28th St Realty  
530 W 28th St, Manhattan

ANALYTE	AWQS	CP-MW-1	CP-MW-2	CP-MW-3	CP-MW-4	CP-MW-5
Acenaphthene	20	ND	ND	ND	ND	ND
Acenaphthylene	NR	ND	ND	ND	ND	ND
Aniline	5	ND	ND	ND	ND	ND
Anthracene	3.8 GV	ND	ND	ND	ND	ND
Benzo(a)anthracene	NL	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND@MDL	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	.002 GV	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	.002 GV	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	.002 GV	ND	ND	ND	ND	ND
Benzyl alcohol	NR	ND	ND	ND	ND	ND
Benzyl butyl phthalate	NL	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NL	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1	ND	ND	ND	ND	ND
4-Chloroaniline	5	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	5	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	5	ND	ND	ND	ND	ND
2-Chloronaphthalene	10	ND	ND	ND	ND	ND
2-Chlorophenol	1	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	ND	ND	ND	ND	ND
Chrysene	.002 GV	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	.002 GV	ND	ND	ND	ND	ND
Dibenzofuran	NR	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	ND	ND	ND	ND	ND
Diethyl phthalate	50 GV	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1	ND	ND	ND	ND	ND
Dimethyl phthalate	50 GV	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NL	ND	ND	ND	ND	ND
2,4-Dinitrophenol	1	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50 GV	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	5	ND	ND	ND	ND	ND
Fluoranthene	50 GV	ND	ND	ND	ND	ND
Fluorene	50 GV	ND	ND	ND	ND	2.32
Hexachlorobenzene	0.04	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	ND	ND	ND	ND	ND
Hexachloroethane	5	ND	ND	ND	ND	ND

Table 3B: Grondwater Sample Results  
Semi-Volatile Compounds  
WC 28th St Realty  
530 W 28th St, Manhattan

ANALYTE	AWQS	CP-MW-1	CP-MW-2	CP-MW-3	CP-MW-4	CP-MW-5
Indeno(1,2,3-cd)pyrene	.002 GV	ND	ND	ND	ND	ND
Isophorone	50 GV	ND	ND	ND	ND	ND
2-Methylnaphthalene	4.2 GV	ND	ND	ND	ND	18.6
2-Methylphenol	1	ND	ND	ND	ND	ND
3- & 4-Methylphenols	1	ND	ND	ND	ND	ND
Naphthalene	10	ND	ND	ND	ND	5.09
4-Nitroaniline	5	ND	ND	ND	ND	ND
3-Nitroaniline	5	ND	ND	ND	ND	ND
2-Nitroaniline	5	ND	ND	ND	ND	ND
Nitrobenzene	0.4	ND	ND	ND	ND	ND
4-Nitrophenol	1	ND	ND	ND	ND	ND
2-Nitrophenol	1	ND	ND	ND	ND	ND
N-nitroso-di-n-propylamine	NL	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	NR	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NR	ND	ND	ND	ND	ND
Pentachlorophenol	1	ND	ND	ND	ND	ND
Phenanthrene	50 GV	ND	ND	ND	ND	ND
Phenol	1	ND	ND	ND	ND	ND
Pyrene	50 GV	ND	ND	ND	ND	ND
Pyridine	50 GV	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	1	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	1	ND	ND	ND	ND	ND

NOTES:

- 1) AWQS = Ambient Water Quality Standards per 6 NYCRR Part 703 for class GA groundwater.
- 2) ND = Not Detected above the laboratory minimum detection limit.
- 3) J = Estimated concentration < MDL and >RL
- 4) **BOLD -Exceeds applicable standard**
- 5) Results in µg/l (ppb)
- 6) NL = Not Listed in Part 703
- 7) GV = Guidance Value only
- 8) NR = Listed Non-regulated Compound
- 9) ND@MDL = Not detected at or above method detection limit of SW846 Method 8270C
- 10) Dilution factor for all samples = 1 (none)
- 11) MDL for all sample results less than or equal to the applicable standard
- 12) Reporting limits equal to 5 µg/l for all results except Xylene at 10 µg/l

Table 3C: Groundwater Sample Results  
TAL Metals + Mercury  
WC-28th St Realty  
530 W 28th St, Manhattan

ANALYTE	AWQS	CP-MW-1		CP-MW-2		CP-MW-3		CP-MW-4		CP-MW-5	
		Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
Aluminum	100	<b>124000</b>	ND	<b>6110</b>	ND	<b>125,000</b>	<b>ND</b>	<b>5500</b>	32	<b>36500</b>	ND
Antimony	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	<b>60</b>	ND	4	ND	76	ND	ND	ND	18
Barium	1000	141	<b>2400</b>	174	265	240	<b>1950</b>	179	272	168	526
Beryllium	11	ND	4	ND	ND	ND	3	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NS	77200	170000	136000	141000	191000	290000	141000	146000	205000	227000
Chromium	50	ND	<b>368</b>	ND	28	ND	<b>432</b>	ND	8	ND	<b>80</b>
Cobalt	5	ND	<b>134</b>	ND	<b>9</b>	ND	<b>173</b>	ND	5	ND	<b>35</b>
Copper	200	ND	<b>681</b>	ND	16	ND	<b>466</b>	ND	15	ND	99
Iron	300	37	<b>258000</b>	30	<b>10300</b>	33	<b>301000</b>	52	<b>10300</b>	82	<b>73100</b>
Lead	25	5	<b>9990</b>	ND	<b>31</b>	ND	<b>740</b>	ND	17	ND	<b>448</b>
Magnesium	35000	34300	<b>71100</b>	<b>43300</b>	<b>47900</b>	<b>49100</b>	<b>92200</b>	<b>135000</b>	<b>140000</b>	<b>44700</b>	<b>58000</b>
Manganese	300	<b>2430</b>	<b>16400</b>	<b>2750</b>	<b>3020</b>	<b>3820</b>	<b>8940</b>	<b>1330</b>	<b>1650</b>	<b>2890</b>	<b>5320</b>
Nickel	100	10	<b>332</b>	18	38	9	<b>467</b>	ND	10	8	89
Potassium	NS	34200	51800	32400	37100	31900	65200	61400	63400	45200	49800
Selenium	10	ND	<b>19</b>	ND	<b>14</b>	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	20000	<b>74200</b>	<b>75500</b>	<b>119000</b>	<b>125000</b>	<b>178000</b>	<b>186000</b>	<b>232000</b>	<b>235000</b>	<b>124000</b>	<b>124000</b>
Thallium	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	14	ND	<b>379</b>	ND	<b>20</b>	ND	<b>369</b>	ND	12	ND	<b>86</b>
Zinc	66	ND	1310	ND	47	ND	<b>817</b>	ND	36	ND	<b>256</b>
Mercury	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

- 1) AWQS = Ambient Water Quality Standards per 6 NYCRR Part 703 for class GA groundwater.
- 2) ND = Not Detected above the laboratory minimum detection limit.
- 3) J = Estimated concentration < MDL and >RL
- 4) **BOLD -Exceeds applicable standard**
- 5) Results in µg/l (ppb)
- 6) NS = No Standard

Table 4: Soil Vapor Study Sample Results  
 WC W28thSt Realty  
 530 West 28th Street, Manhattan

Analyte	NYSDOH sub-slab Max	SV-1	SV-2	SV-3	SV-4	IA-1	OA-1
1,1,1-TRICHLOROETHANE (TCA)	100	27	4.0	ND	ND	ND	ND
1,1,2,2-TETRACHLOROETHANE		ND	ND	ND	ND	ND	ND
1,1,2-TRICHLOROETHANE		ND	ND	ND	ND	ND	ND
1,1,2-TRICHLOROTRIFLUOROETHANE		0.65	0.56	0.63	0.66	0.57	0.57
1,1-DICHLOROETHANE (1,1-DCA)		ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE (1,1-DCE)		ND	ND	ND	ND	ND	ND
1,2-DIBROMOETHANE		ND	ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE		ND	ND	ND	ND	ND	ND
1,2-DICHLOROETHANE		ND	ND	ND	ND	ND	ND
1,2-DICHLOROPROPANE		ND	ND	ND	ND	ND	ND
1,3-DICHLOROBENZENE		ND	ND	ND	ND	ND	ND
1,4-DICHLOROBENZENE		ND	ND	ND	ND	ND	ND
2-BUTANONE (MEK)		ND	ND	ND	2.4	1.5	1.2
2-HEXANONE		ND	ND	ND	ND	ND	ND
4-METHYL-2-PENTANONE		ND	ND	ND	ND	ND	ND
ACETONE		ND	ND	ND	15	17	8.5
BENZENE		1.3	1.0	1.7	3.6	1.8	1.2
BROMODICHLOROMETHANE		ND	1.7	9.1	0.45	ND	ND
BROMOFORM		ND	ND	ND	ND	ND	ND
BROMOMETHANE		ND	ND	ND	ND	ND	ND
CARBON DISULFIDE		1.4	1.0	18	2.8	ND	ND
CARBON TETRACHLORIDE	5	0.67	0.59	0.73	0.39	0.45	0.49
CHLOROBENZENE		ND	ND	ND	ND	ND	ND
CHLOROETHANE		ND	ND	ND	ND	ND	ND
CHLOROFORM		ND	44	290 D	14	ND	ND
CHLOROMETHANE		ND	ND	ND	ND	0.91	0.86
CIS-1,2-DICHLOROETHENE		ND	ND	ND	ND	ND	ND
CIS-1,3-DICHLOROPROPENE		ND	ND	ND	ND	ND	ND
DIBROMOCHLOROMETHANE		ND	ND	ND	ND	ND	ND
METHYLENE CHLORIDE		ND	ND	1.4	ND	1.0	1.1
ETHYLBENZENE		ND	ND	ND	2.8	1.6	ND
M,P-XYLENES		ND	4.6	5.9	9.1	4.4	2.9
METHYL TERT-BUTYL ETHER		ND	ND	ND	ND	ND	ND
O-XYLENE		ND	ND	ND	3.3	1.4	ND
STYRENE		ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE (PCE)	100	7.9	7.4	1.6	0.57	0.36	0.55
TOLUENE		6.4	6.1	11	16	8.9	4.4
TRANS-1,2-DICHLOROETHENE		ND	ND	ND	ND	ND	ND
TRANS-1,3-DICHLOROPROPENE		ND	ND	ND	ND	ND	ND
TRICHLOROETHENE (TCE)	5	1.1	3.6	17	7.6	0.23	ND
TRICHLOROFUOROMETHANE (CFC 11)		3.8	1.9	14	12	1.3	1.4
VINYL ACETATE		ND	ND	ND	ND	ND	ND
VINYL CHLORIDE		ND	ND	ND	ND	ND	ND

**Notes:**

1. ug/m<sup>3</sup>=Micrograms per cubic meter
2. ND = Compound not detected above Method Detection Limit
3. D = This concentration was reported from a diluted run.

# **APPENDIX E**

Laboratory Data Deliverables for Soil Analytical Data



# Technical Report

prepared for:

**Chazen Environmental Services (Poughkeepsie)**

21 Fox Street

Poughkeepsie NY, 12601

**Attention: Eric Orlowski**

Report Date: 09/30/2013

**Client Project ID: 91337.00 530 West 28th St.**

York Project (SDG) No.: 1310825

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/30/2013  
Client Project ID: 91337.00 530 West 28th St.  
York Project (SDG) No.: 13I0825

**Chazen Environmental Services (Poughkeepsie)**  
21 Fox Street  
Poughkeepsie NY, 12601  
Attention: Eric Orlowski

---

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 23, 2013 and listed below. The project was identified as your project: **91337.00 530 West 28th St.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13I0825-01	CP-SB-4 (1-2')	Soil	09/18/2013	09/23/2013
13I0825-02	CP-SB-4 (10-12')	Soil	09/18/2013	09/23/2013
13I0825-03	CP-SB-4 (14-16')	Soil	09/18/2013	09/23/2013
13I0825-04	CP-SB-6 (1-2')	Soil	09/17/2013	09/23/2013
13I0825-05	CP-SB-6 (14-16')	Soil	09/17/2013	09/23/2013
13I0825-06	CP-MW-3	Water	09/19/2013	09/23/2013
13I0825-07	CP-MW-5	Water	09/19/2013	09/23/2013

**General Notes for York Project (SDG) No.: 13I0825**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 09/30/2013

**YORK**



### Sample Information

**Client Sample ID:** CP-SB-4 (1-2')

**York Sample ID:** 1310825-01

**York Project (SDG) No.**  
1310825

**Client Project ID**  
91337.00 530 West 28th St.

**Matrix**  
Soil

**Collection Date/Time**  
September 18, 2013 4:00 pm

**Date Received**  
09/23/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
78-93-3	2-Butanone	<b>0.0095</b>		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
67-64-1	Acetone	<b>0.084</b>	B	mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK



## Sample Information

**Client Sample ID:** CP-SB-4 (1-2')

**York Sample ID:** 1310825-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 4:00 pm

09/23/2013

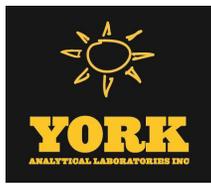
**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
91-20-3	Naphthalene	ND		mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK



### Sample Information

**Client Sample ID:** CP-SB-4 (1-2')

**York Sample ID:** 1310825-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 4:00 pm

09/23/2013

#### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 19:45	BK
	<b>Surrogate Recoveries</b>	<b>Result</b>									
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.2 %									
460-00-4	Surrogate: p-Bromofluorobenzene	124 %									
2037-26-5	Surrogate: Toluene-d8	105 %									

#### Semi-Volatiles, 8270 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
62-53-3	Aniline	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
120-12-7	Anthracene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
218-01-9	Chrysene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR



### Sample Information

**Client Sample ID:** CP-SB-4 (1-2')

**York Sample ID:** 1310825-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 4:00 pm

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	1.86	3.71	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	1.86	3.72	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
117-81-7	Bis(2-ethylhexyl)phthalate	<b>0.643</b>	J	mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
206-44-0	Fluoranthene	<b>0.613</b>	J	mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
86-73-7	Fluorene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
78-59-1	Isophorone	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR



### Sample Information

**Client Sample ID:** CP-SB-4 (1-2')

**York Sample ID:** 1310825-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 4:00 pm

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.936	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
108-95-2	Phenol	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
129-00-0	Pyrene	<b>0.643</b>	J	mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
110-86-1	Pyridine	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.468	1.86	10	EPA 8270C	09/24/2013 17:00	09/26/2013 20:16	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: 2-Fluorophenol	38.6 %			10-109						
4165-62-2	Surrogate: Phenol-d5	40.8 %			10-124						
4165-60-0	Surrogate: Nitrobenzene-d5	42.5 %			10-148						
321-60-8	Surrogate: 2-Fluorobiphenyl	48.2 %			10-111						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	34.1 %			10-142						
1718-51-0	Surrogate: Terphenyl-d14	55.3 %			10-147						

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	<b>5450</b>		mg/kg dry	1.11	1.11	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW
7440-36-0	Antimony	<b>0.884</b>		mg/kg dry	0.557	0.557	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW
7440-38-2	Arsenic	<b>5.38</b>		mg/kg dry	1.11	1.11	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW
7440-39-3	Barium	<b>85.5</b>		mg/kg dry	1.11	1.11	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.111	0.111	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.334	0.334	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW
7440-70-2	Calcium	<b>46000</b>		mg/kg dry	0.557	5.57	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW
7440-47-3	Chromium	<b>39.0</b>		mg/kg dry	0.557	0.557	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW
7440-48-4	Cobalt	<b>5.50</b>		mg/kg dry	0.557	0.557	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW
7440-50-8	Copper	<b>414</b>		mg/kg dry	0.557	0.557	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW
7439-89-6	Iron	<b>31900</b>		mg/kg dry	2.23	2.23	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW
7439-92-1	Lead	<b>159</b>		mg/kg dry	0.334	0.334	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW
7439-95-4	Magnesium	<b>2890</b>		mg/kg dry	5.57	5.57	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW
7439-96-5	Manganese	<b>353</b>		mg/kg dry	0.557	0.557	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:23	MW



Sample Information

Client Sample ID: CP-SB-4 (1-2')

York Sample ID: 1310825-01

York Project (SDG) No.

Client Project ID

Matrix

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1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 4:00 pm

09/23/2013

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, and Zinc.

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes Mercury.

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes % Solids.

Sample Information

Client Sample ID: CP-SB-4 (10-12')

York Sample ID: 1310825-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 4:40 pm

09/23/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various chloroethane and chloroethylene compounds.



## Sample Information

**Client Sample ID:** CP-SB-4 (10-12')

**York Sample ID:** 1310825-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 4:40 pm

09/23/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
67-64-1	Acetone	ND		mg/kg dry	0.0024	0.0096	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK



### Sample Information

**Client Sample ID:** CP-SB-4 (10-12')

**York Sample ID:** 1310825-02

York Project (SDG) No.

Client Project ID

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1310825

91337.00 530 West 28th St.

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September 18, 2013 4:40 pm

09/23/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0024	0.0096	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
91-20-3	Naphthalene	ND		mg/kg dry	0.0024	0.0096	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA SW846-8260B	09/25/2013 16:40	09/26/2013 20:22	BK
	<b>Surrogate Recoveries</b>	<b>Result</b>						<b>Acceptance Range</b>			
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.9 %						72-137			
460-00-4	Surrogate: p-Bromofluorobenzene	108 %						72-138			
2037-26-5	Surrogate: Toluene-d8	107 %						85-118			



### Sample Information

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91337.00 530 West 28th St.

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September 18, 2013 4:40 pm

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
62-53-3	Aniline	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
120-12-7	Anthracene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
218-01-9	Chrysene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	10.6	21.1	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR



### Sample Information

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**York Sample ID:** 1310825-02

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September 18, 2013 4:40 pm

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	10.6	21.1	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
206-44-0	Fluoranthene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
86-73-7	Fluorene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
78-59-1	Isophorone	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
91-20-3	Naphthalene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	5.32	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
85-01-8	Phenanthrene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
108-95-2	Phenol	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
129-00-0	Pyrene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
110-86-1	Pyridine	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR



### Sample Information

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09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	2.66	10.6	10	EPA 8270C	09/24/2013 17:00	09/25/2013 17:26	SR
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: 2-Fluorophenol	82.4 %		10-109							
4165-62-2	Surrogate: Phenol-d5	98.9 %		10-124							
4165-60-0	Surrogate: Nitrobenzene-d5	160 %	S-06	10-148							
321-60-8	Surrogate: 2-Fluorobiphenyl	120 %	S-06	10-111							
5175-83-7	Surrogate: 2,4,6-Tribromophenol	88.0 %		10-142							
1718-51-0	Surrogate: Terphenyl-d14	187 %	S-06	10-147							

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5750		mg/kg dry	1.27	1.27	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-36-0	Antimony	ND		mg/kg dry	0.633	0.633	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-38-2	Arsenic	2.62		mg/kg dry	1.27	1.27	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-39-3	Barium	35.2		mg/kg dry	1.27	1.27	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.127	0.127	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.380	0.380	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-70-2	Calcium	1510		mg/kg dry	0.633	6.33	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-47-3	Chromium	8.89		mg/kg dry	0.633	0.633	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-48-4	Cobalt	5.77		mg/kg dry	0.633	0.633	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-50-8	Copper	11.3		mg/kg dry	0.633	0.633	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7439-89-6	Iron	16100		mg/kg dry	2.53	2.53	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7439-92-1	Lead	5.60		mg/kg dry	0.380	0.380	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7439-95-4	Magnesium	2680		mg/kg dry	6.33	6.33	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7439-96-5	Manganese	328		mg/kg dry	0.633	0.633	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-02-0	Nickel	15.8		mg/kg dry	0.633	0.633	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-09-7	Potassium	725		mg/kg dry	6.33	6.33	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7782-49-2	Selenium	ND		mg/kg dry	1.27	1.27	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-22-4	Silver	ND		mg/kg dry	0.633	0.633	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-23-5	Sodium	380		mg/kg dry	12.7	12.7	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-28-0	Thallium	ND		mg/kg dry	1.27	1.27	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-62-2	Vanadium	10.2		mg/kg dry	1.27	1.27	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW
7440-66-6	Zinc	33.1		mg/kg dry	1.27	1.27	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:28	MW



### Sample Information

**Client Sample ID:** CP-SB-4 (10-12')

**York Sample ID:** 1310825-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 4:40 pm

09/23/2013

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0203		mg/kg dry	0.00101	0.00101	1	EPA SW846-7473	09/26/2013 08:55	09/26/2013 16:06	ALD

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	78.9		%	0.100	0.100	1	SM 2540G	09/20/2013 07:15	09/20/2013 07:15	BGS

### Sample Information

**Client Sample ID:** CP-SB-4 (14-16')

**York Sample ID:** 1310825-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 5:00 pm

09/23/2013

#### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
95-63-6	1,2,4-Trimethylbenzene	0.0045	J	mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK



### Sample Information

**Client Sample ID:** CP-SB-4 (14-16')

**York Sample ID:** 1310825-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 5:00 pm

09/23/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
67-64-1	Acetone	<b>0.014</b>	B	mg/kg dry	0.0028	0.011	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
108-86-1	Bromobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0028	0.011	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
91-20-3	Naphthalene	<b>0.0048</b>	J	mg/kg dry	0.0028	0.011	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK



### Sample Information

**Client Sample ID:** CP-SB-4 (14-16')

**York Sample ID:** 1310825-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 5:00 pm

09/23/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 15:28	BK
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.4 %			72-137						
460-00-4	Surrogate: p-Bromofluorobenzene	183 %	S-04		72-138						
2037-26-5	Surrogate: Toluene-d8	115 %			85-118						

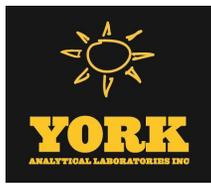
**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
62-53-3	Aniline	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR



## Sample Information

**Client Sample ID:** CP-SB-4 (14-16')

**York Sample ID:** 1310825-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 5:00 pm

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.216	0.430	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.216	0.431	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR



### Sample Information

**Client Sample ID:** CP-SB-4 (14-16')

**York Sample ID:** 1310825-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 5:00 pm

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.108	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
85-01-8	Phenanthrene	<b>0.140</b>	J	mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
108-95-2	Phenol	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
110-86-1	Pyridine	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0542	0.215	1	EPA 8270C	09/24/2013 17:00	09/25/2013 18:00	SR
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: 2-Fluorophenol	70.8 %	10-109								
4165-62-2	Surrogate: Phenol-d5	74.3 %	10-124								
4165-60-0	Surrogate: Nitrobenzene-d5	75.6 %	10-148								
321-60-8	Surrogate: 2-Fluorobiphenyl	84.7 %	10-111								
5175-83-7	Surrogate: 2,4,6-Tribromophenol	80.6 %	10-142								
1718-51-0	Surrogate: Terphenyl-d14	106 %	10-147								



### Sample Information

**Client Sample ID:** CP-SB-4 (14-16')

**York Sample ID:** 1310825-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 5:00 pm

09/23/2013

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7490		mg/kg dry	1.29	1.29	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-36-0	Antimony	ND		mg/kg dry	0.646	0.646	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-38-2	Arsenic	2.56		mg/kg dry	1.29	1.29	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-39-3	Barium	42.2		mg/kg dry	1.29	1.29	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.129	0.129	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.388	0.388	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-70-2	Calcium	2120		mg/kg dry	0.646	6.46	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-47-3	Chromium	24.1		mg/kg dry	0.646	0.646	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-48-4	Cobalt	6.10		mg/kg dry	0.646	0.646	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-50-8	Copper	16.7		mg/kg dry	0.646	0.646	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7439-89-6	Iron	18100		mg/kg dry	2.58	2.58	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7439-92-1	Lead	58.7		mg/kg dry	0.388	0.388	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7439-95-4	Magnesium	2590		mg/kg dry	6.46	6.46	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7439-96-5	Manganese	306		mg/kg dry	0.646	0.646	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-02-0	Nickel	19.2		mg/kg dry	0.646	0.646	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-09-7	Potassium	946		mg/kg dry	6.46	6.46	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7782-49-2	Selenium	ND		mg/kg dry	1.29	1.29	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-22-4	Silver	ND		mg/kg dry	0.646	0.646	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-23-5	Sodium	350		mg/kg dry	12.9	12.9	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-28-0	Thallium	ND		mg/kg dry	1.29	1.29	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-62-2	Vanadium	13.6		mg/kg dry	1.29	1.29	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW
7440-66-6	Zinc	56.8		mg/kg dry	1.29	1.29	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:45	MW

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.115		mg/kg dry	0.00103	0.00103	1	EPA SW846-7473	09/26/2013 08:55	09/26/2013 16:06	ALD



Sample Information

Client Sample ID: CP-SB-4 (14-16')

York Sample ID: 1310825-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 18, 2013 5:00 pm

09/23/2013

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: solids, % Solids, 77.4, %, 0.100, 0.100, 1, SM 2540G, 09/20/2013 07:15, 09/20/2013 07:15, BGS

Sample Information

Client Sample ID: CP-SB-6 (1-2')

York Sample ID: 1310825-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 2:05 pm

09/23/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows listing various organic compounds and their results (mostly ND).



## Sample Information

**Client Sample ID:** CP-SB-6 (1-2')

**York Sample ID:** 1310825-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 2:05 pm

09/23/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
67-64-1	Acetone	<b>0.0035</b>	J	mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
91-20-3	Naphthalene	<b>0.052</b>		mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS



### Sample Information

**Client Sample ID:** CP-SB-6 (1-2')

**York Sample ID:** 1310825-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 2:05 pm

09/23/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/30/2013 08:15	09/30/2013 10:51	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			72-137						
460-00-4	Surrogate: p-Bromofluorobenzene	108 %			72-138						
2037-26-5	Surrogate: Toluene-d8	97.2 %			85-118						

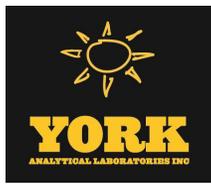
**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1.46	J	mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
62-53-3	Aniline	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
120-12-7	Anthracene	2.07	J	mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
56-55-3	Benzo(a)anthracene	3.41	J	mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
50-32-8	Benzo(a)pyrene	4.59	J	mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
205-99-2	Benzo(b)fluoranthene	3.65	J	mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
207-08-9	Benzo(k)fluoranthene	4.52	J	mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR



### Sample Information

**Client Sample ID:** CP-SB-6 (1-2')

**York Sample ID:** 1310825-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 2:05 pm

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
218-01-9	Chrysene	<b>4.32</b>	J	mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
132-64-9	Dibenzofuran	<b>1.63</b>	J	mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	4.65	9.26	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	4.65	9.27	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
206-44-0	Fluoranthene	<b>11.5</b>		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
86-73-7	Fluorene	<b>1.58</b>	J	mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
78-59-1	Isophorone	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
91-57-6	2-Methylnaphthalene	<b>1.38</b>	J	mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR



### Sample Information

**Client Sample ID:** CP-SB-6 (1-2')

**York Sample ID:** 1310825-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 2:05 pm

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
91-20-3	Naphthalene	<b>4.70</b>		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	2.34	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
85-01-8	Phenanthrene	<b>14.2</b>		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
108-95-2	Phenol	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
129-00-0	Pyrene	<b>9.03</b>		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
110-86-1	Pyridine	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	1.17	4.64	5	EPA 8270C	09/24/2013 17:00	09/25/2013 18:33	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: 2-Fluorophenol	64.0 %		10-109							
4165-62-2	Surrogate: Phenol-d5	57.8 %		10-124							
4165-60-0	Surrogate: Nitrobenzene-d5	70.9 %		10-148							
321-60-8	Surrogate: 2-Fluorobiphenyl	66.5 %		10-111							
5175-83-7	Surrogate: 2,4,6-Tribromophenol	59.9 %		10-142							
1718-51-0	Surrogate: Terphenyl-d14	71.1 %		10-147							



### Sample Information

**Client Sample ID:** CP-SB-6 (1-2')

**York Sample ID:** 1310825-04

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 2:05 pm

09/23/2013

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4080		mg/kg dry	1.11	1.11	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-36-0	Antimony	ND		mg/kg dry	0.556	0.556	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-38-2	Arsenic	3.31		mg/kg dry	1.11	1.11	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-39-3	Barium	47.6		mg/kg dry	1.11	1.11	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.111	0.111	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.334	0.334	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-70-2	Calcium	2690		mg/kg dry	0.556	5.56	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-47-3	Chromium	8.25		mg/kg dry	0.556	0.556	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-48-4	Cobalt	6.47		mg/kg dry	0.556	0.556	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-50-8	Copper	20.2		mg/kg dry	0.556	0.556	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7439-89-6	Iron	17500		mg/kg dry	2.23	2.23	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7439-92-1	Lead	83.5		mg/kg dry	0.334	0.334	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7439-95-4	Magnesium	1500		mg/kg dry	5.56	5.56	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7439-96-5	Manganese	198		mg/kg dry	0.556	0.556	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-02-0	Nickel	16.3		mg/kg dry	0.556	0.556	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-09-7	Potassium	863		mg/kg dry	5.56	5.56	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7782-49-2	Selenium	ND		mg/kg dry	1.11	1.11	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-22-4	Silver	ND		mg/kg dry	0.556	0.556	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-23-5	Sodium	319		mg/kg dry	11.1	11.1	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-28-0	Thallium	ND		mg/kg dry	1.11	1.11	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-62-2	Vanadium	15.0		mg/kg dry	1.11	1.11	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW
7440-66-6	Zinc	34.5		mg/kg dry	1.11	1.11	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:50	MW

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.626		mg/kg dry	0.000890	0.000890	1	EPA SW846-7473	09/26/2013 08:55	09/26/2013 16:06	ALD



Sample Information

Client Sample ID: CP-SB-6 (1-2')

York Sample ID: 1310825-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 2:05 pm

09/23/2013

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: solids, % Solids, 89.9, %, 0.100, 0.100, 1, SM 2540G, 09/20/2013 07:15, 09/20/2013 07:15, BGS

Sample Information

Client Sample ID: CP-SB-6 (14-16')

York Sample ID: 1310825-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 3:05 pm

09/23/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows listing various organic compounds and their results (mostly ND).



## Sample Information

**Client Sample ID:** CP-SB-6 (14-16')

**York Sample ID:** 1310825-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 3:05 pm

09/23/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
67-64-1	Acetone	<b>0.036</b>	B	mg/kg dry	0.0022	0.0087	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
71-43-2	Benzene	<b>0.0025</b>	J	mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0022	0.0087	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
91-20-3	Naphthalene	<b>0.054</b>		mg/kg dry	0.0022	0.0087	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0087	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK



### Sample Information

Client Sample ID: CP-SB-6 (14-16')

York Sample ID: 1310825-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 3:05 pm

09/23/2013

#### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
108-88-3	Toluene	0.0027	J	mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/27/2013 08:12	09/27/2013 12:26	BK
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	90.4 %	72-137								
460-00-4	Surrogate: p-Bromofluorobenzene	132 %	72-138								
2037-26-5	Surrogate: Toluene-d8	104 %	85-118								

#### Semi-Volatiles, 8270 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.252		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
208-96-8	Acenaphthylene	0.0603	J	mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
62-53-3	Aniline	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
120-12-7	Anthracene	0.324		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
56-55-3	Benzo(a)anthracene	0.565		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
50-32-8	Benzo(a)pyrene	0.643		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
205-99-2	Benzo(b)fluoranthene	0.731		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
207-08-9	Benzo(k)fluoranthene	0.666		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR



### Sample Information

**Client Sample ID:** CP-SB-6 (14-16')

**York Sample ID:** 1310825-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 3:05 pm

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
218-01-9	Chrysene	<b>0.609</b>		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
132-64-9	Dibenzofuran	<b>0.271</b>		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.206	0.410	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.206	0.410	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
206-44-0	Fluoranthene	<b>2.23</b>		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
86-73-7	Fluorene	<b>0.287</b>		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
193-39-5	Indeno(1,2,3-cd)pyrene	<b>0.0882</b>	J	mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
91-57-6	2-Methylnaphthalene	<b>0.245</b>		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR



### Sample Information

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**York Sample ID:** 1310825-05

York Project (SDG) No.

Client Project ID

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1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 3:05 pm

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	0.872		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.103	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
85-01-8	Phenanthrene	2.37		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
108-95-2	Phenol	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
129-00-0	Pyrene	1.31		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
110-86-1	Pyridine	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0517	0.205	1	EPA 8270C	09/24/2013 17:00	09/25/2013 19:06	SR
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
367-12-4	Surrogate: 2-Fluorophenol	65.3 %	10-109								
4165-62-2	Surrogate: Phenol-d5	71.1 %	10-124								
4165-60-0	Surrogate: Nitrobenzene-d5	68.6 %	10-148								
321-60-8	Surrogate: 2-Fluorobiphenyl	75.8 %	10-111								
5175-83-7	Surrogate: 2,4,6-Tribromophenol	85.3 %	10-142								
1718-51-0	Surrogate: Terphenyl-d14	75.3 %	10-147								



### Sample Information

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York Project (SDG) No.

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Matrix

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1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 3:05 pm

09/23/2013

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6660		mg/kg dry	1.23	1.23	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-36-0	Antimony	ND		mg/kg dry	0.616	0.616	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-38-2	Arsenic	1.96		mg/kg dry	1.23	1.23	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-39-3	Barium	33.6		mg/kg dry	1.23	1.23	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.123	0.123	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.369	0.369	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-70-2	Calcium	1260		mg/kg dry	0.616	6.16	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-47-3	Chromium	9.71		mg/kg dry	0.616	0.616	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-48-4	Cobalt	6.02		mg/kg dry	0.616	0.616	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-50-8	Copper	12.2		mg/kg dry	0.616	0.616	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7439-89-6	Iron	12900		mg/kg dry	2.46	2.46	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7439-92-1	Lead	25.9		mg/kg dry	0.369	0.369	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7439-95-4	Magnesium	2660		mg/kg dry	6.16	6.16	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7439-96-5	Manganese	254		mg/kg dry	0.616	0.616	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-02-0	Nickel	16.8		mg/kg dry	0.616	0.616	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-09-7	Potassium	761		mg/kg dry	6.16	6.16	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7782-49-2	Selenium	ND		mg/kg dry	1.23	1.23	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-22-4	Silver	ND		mg/kg dry	0.616	0.616	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-23-5	Sodium	321		mg/kg dry	12.3	12.3	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-28-0	Thallium	ND		mg/kg dry	1.23	1.23	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-62-2	Vanadium	11.3		mg/kg dry	1.23	1.23	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW
7440-66-6	Zinc	34.9		mg/kg dry	1.23	1.23	1	EPA 6010C	09/24/2013 13:36	09/24/2013 19:55	MW

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.167		mg/kg dry	0.000985	0.000985	1	EPA SW846-7473	09/26/2013 08:55	09/26/2013 16:06	ALD



Sample Information

Client Sample ID: CP-SB-6 (14-16')

York Sample ID: 1310825-05

York Project (SDG) No.

Client Project ID

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1310825

91337.00 530 West 28th St.

Soil

September 17, 2013 3:05 pm

09/23/2013

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: solids, % Solids, 81.2, %, 0.100, 0.100, 1, SM 2540G, 09/23/2013 07:13, 09/23/2013 15:11, BGS

Sample Information

Client Sample ID: CP-MW-3

York Sample ID: 1310825-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Water

September 19, 2013 9:45 am

09/23/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows listing various organic compounds and their results (mostly ND).



### Sample Information

**Client Sample ID:** CP-MW-3

**York Sample ID:** 1310825-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Water

September 19, 2013 9:45 am

09/23/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
67-64-1	Acetone	7.8		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS



### Sample Information

**Client Sample ID:** CP-MW-3

**York Sample ID:** 1310825-06

York Project (SDG) No.

Client Project ID

Matrix

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1310825

91337.00 530 West 28th St.

Water

September 19, 2013 9:45 am

09/23/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:03	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			78-122						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %			87-112						
2037-26-5	Surrogate: Toluene-d8	101 %			91-110						

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes: EXT-D, EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	2.83	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
208-96-8	Acenaphthylene	ND		ug/L	2.78	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
62-53-3	Aniline	ND		ug/L	2.40	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
120-12-7	Anthracene	ND		ug/L	1.90	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	2.10	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	2.08	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	2.26	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	2.74	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.93	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.32	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.36	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.13	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.02	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
106-47-8	4-Chloroaniline	ND		ug/L	4.77	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.83	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.40	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR



### Sample Information

**Client Sample ID:** CP-MW-3

**York Sample ID:** 1310825-06

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Matrix

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1310825

91337.00 530 West 28th St.

Water

September 19, 2013 9:45 am

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes: EXT-D, EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	4.78	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	3.52	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.86	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.92	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
218-01-9	Chrysene	ND		ug/L	2.35	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	2.50	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
132-64-9	Dibenzofuran	ND		ug/L	3.86	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.28	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.54	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	4.18	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.98	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	2.03	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.02	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
84-66-2	Diethyl phthalate	ND		ug/L	4.10	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
131-11-3	Dimethyl phthalate	ND		ug/L	3.06	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.59	16.0	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.60	16.0	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.58	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.58	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.79	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	7.65	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
206-44-0	Fluoranthene	ND		ug/L	1.98	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
86-73-7	Fluorene	ND		ug/L	2.93	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
118-74-1	Hexachlorobenzene	ND		ug/L	2.03	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	4.46	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	4.05	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
67-72-1	Hexachloroethane	ND		ug/L	4.86	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.72	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
78-59-1	Isophorone	ND		ug/L	4.29	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	4.42	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
95-48-7	2-Methylphenol	ND		ug/L	1.86	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR



### Sample Information

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**York Sample ID:** 1310825-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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1310825

91337.00 530 West 28th St.

Water

September 19, 2013 9:45 am

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes: EXT-D, EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.79	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
91-20-3	Naphthalene	ND		ug/L	3.18	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
100-01-6	4-Nitroaniline	ND		ug/L	4.29	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.69	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.69	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
98-95-3	Nitrobenzene	ND		ug/L	2.70	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.66	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.78	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	4.10	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.622	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	8.00	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
87-86-5	Pentachlorophenol	ND		ug/L	2.32	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
85-01-8	Phenanthrene	ND		ug/L	2.19	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
108-95-2	Phenol	ND		ug/L	1.76	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
129-00-0	Pyrene	ND		ug/L	2.77	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
110-86-1	Pyridine	ND		ug/L	6.26	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.95	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.06	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.80	8.00	1	EPA 8270C	09/24/2013 11:00	09/25/2013 19:39	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: 2-Fluorophenol	29.8 %			10-52						
4165-62-2	Surrogate: Phenol-d5	18.1 %			10-117						
4165-60-0	Surrogate: Nitrobenzene-d5	58.9 %			12-112						
321-60-8	Surrogate: 2-Fluorobiphenyl	60.9 %			14-101						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	68.0 %			17-127						
1718-51-0	Surrogate: Terphenyl-d14	78.9 %			10-151						



### Sample Information

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1310825

91337.00 530 West 28th St.

Water

September 19, 2013 9:45 am

09/23/2013

**Metals, Dissolved - Target Analyte (TAL)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-39-3	Barium	<b>0.240</b>		mg/L	0.010	0.010	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-70-2	Calcium	<b>191</b>		mg/L	0.050	0.050	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7439-89-6	Iron	<b>0.033</b>		mg/L	0.020	0.020	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7439-95-4	Magnesium	<b>49.1</b>		mg/L	0.050	0.050	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7439-96-5	Manganese	<b>3.82</b>		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-02-0	Nickel	<b>0.009</b>		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-09-7	Potassium	<b>31.9</b>		mg/L	0.050	0.050	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-23-5	Sodium	<b>178</b>		mg/L	0.100	0.100	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:53	MW

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	<b>125</b>		mg/L	0.010	0.010	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-38-2	Arsenic	<b>0.076</b>		mg/L	0.004	0.004	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-39-3	Barium	<b>1.95</b>		mg/L	0.010	0.010	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-41-7	Beryllium	<b>0.003</b>		mg/L	0.001	0.001	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-70-2	Calcium	<b>290</b>		mg/L	0.050	0.050	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-47-3	Chromium	<b>0.432</b>		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW



### Sample Information

**Client Sample ID:** CP-MW-3

**York Sample ID:** 1310825-06

<u>York Project (SDG) No.</u> 1310825	<u>Client Project ID</u> 91337.00 530 West 28th St.	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 19, 2013 9:45 am	<u>Date Received</u> 09/23/2013
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**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	Cobalt	0.173		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-50-8	Copper	0.466		mg/L	0.003	0.003	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7439-89-6	Iron	301		mg/L	0.020	0.020	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7439-92-1	Lead	0.740		mg/L	0.003	0.003	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7439-95-4	Magnesium	92.2		mg/L	0.050	0.050	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7439-96-5	Manganese	8.94		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-02-0	Nickel	0.467		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-09-7	Potassium	65.2		mg/L	0.050	0.050	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-23-5	Sodium	186		mg/L	0.100	0.100	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-62-2	Vanadium	0.369		mg/L	0.010	0.010	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW
7440-66-6	Zinc	0.817		mg/L	0.010	0.010	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:40	MW

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00005	0.00005	1	EPA SW846-7473	09/26/2013 14:32	09/27/2013 09:29	ALD

**Mercury by 7473, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.05000	0.05000	1	EPA SW846-7473	09/28/2013 13:28	09/30/2013 15:09	ALD

### Sample Information

**Client Sample ID:** CP-MW-5

**York Sample ID:** 1310825-07

<u>York Project (SDG) No.</u> 1310825	<u>Client Project ID</u> 91337.00 530 West 28th St.	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 19, 2013 10:05 am	<u>Date Received</u> 09/23/2013
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**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS



## Sample Information

**Client Sample ID:** CP-MW-5

**York Sample ID:** 1310825-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Water

September 19, 2013 10:05 am

09/23/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
67-64-1	Acetone	4.6	J	ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS



### Sample Information

**Client Sample ID:** CP-MW-5

**York Sample ID:** 1310825-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Water

September 19, 2013 10:05 am

09/23/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
156-59-2	cis-1,2-Dichloroethylene	3.5	J	ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
91-20-3	Naphthalene	8.3		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/26/2013 11:05	09/26/2013 17:42	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	78-122								



### Sample Information

**Client Sample ID:** CP-MW-5

**York Sample ID:** 1310825-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Water

September 19, 2013 10:05 am

09/23/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: p-Bromofluorobenzene	93.7 %			87-112						
2037-26-5	Surrogate: Toluene-d8	100 %			91-110						

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes: EXT-D, EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	2.02	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
208-96-8	Acenaphthylene	ND		ug/L	1.99	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
62-53-3	Aniline	ND		ug/L	1.71	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
120-12-7	Anthracene	ND		ug/L	1.36	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.50	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.49	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	1.61	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	1.95	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.09	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.66	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.974	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.52	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.16	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.41	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.02	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.71	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.42	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.51	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.05	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.80	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
218-01-9	Chrysene	ND		ug/L	1.68	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	1.78	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
132-64-9	Dibenzofuran	ND		ug/L	2.75	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.34	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.53	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.98	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.85	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR



## Sample Information

**Client Sample ID:** CP-MW-5

**York Sample ID:** 1310825-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Water

September 19, 2013 10:05 am

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes: EXT-D, EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.45	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.16	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.93	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.83	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.18	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.85	11.4	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.57	11.4	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.84	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.84	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.28	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	5.46	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
206-44-0	Fluoranthene	ND		ug/L	1.42	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
86-73-7	Fluorene	<b>2.32</b>	J	ug/L	2.09	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.45	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	3.19	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.89	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
67-72-1	Hexachloroethane	ND		ug/L	3.47	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	1.94	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
78-59-1	Isophorone	ND		ug/L	3.06	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
91-57-6	2-Methylnaphthalene	<b>18.6</b>		ug/L	3.15	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
95-48-7	2-Methylphenol	ND		ug/L	1.33	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.28	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
91-20-3	Naphthalene	<b>5.09</b>	J	ug/L	2.27	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.06	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
98-95-3	Nitrobenzene	ND		ug/L	1.93	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
100-02-7	4-Nitrophenol	ND		ug/L	1.90	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.93	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.445	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.71	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR



### Sample Information

**Client Sample ID:** CP-MW-5

**York Sample ID:** 1310825-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Water

September 19, 2013 10:05 am

09/23/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:** EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		ug/L	1.66	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
85-01-8	Phenanthrene	ND		ug/L	1.57	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
108-95-2	Phenol	ND		ug/L	1.26	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
129-00-0	Pyrene	ND		ug/L	1.98	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
110-86-1	Pyridine	ND		ug/L	4.47	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.82	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.18	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.00	5.71	1	EPA 8270C	09/24/2013 11:00	09/25/2013 20:11	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: 2-Fluorophenol	26.1 %			10-52						
4165-62-2	Surrogate: Phenol-d5	15.9 %			10-117						
4165-60-0	Surrogate: Nitrobenzene-d5	64.3 %			12-112						
321-60-8	Surrogate: 2-Fluorobiphenyl	66.2 %			14-101						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	83.3 %			17-127						
1718-51-0	Surrogate: Terphenyl-d14	74.7 %			10-151						

**Metals, Dissolved - Target Analyte (TAL)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-39-3	Barium	<b>0.168</b>		mg/L	0.010	0.010	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-70-2	Calcium	<b>205</b>		mg/L	0.050	0.050	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7439-89-6	Iron	<b>0.082</b>		mg/L	0.020	0.020	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7439-95-4	Magnesium	<b>44.7</b>		mg/L	0.050	0.050	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7439-96-5	Manganese	<b>2.89</b>		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-02-0	Nickel	<b>0.008</b>		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-09-7	Potassium	<b>45.2</b>		mg/L	0.050	0.050	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW



### Sample Information

**Client Sample ID:** CP-MW-5

**York Sample ID:** 1310825-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Water

September 19, 2013 10:05 am

09/23/2013

**Metals, Dissolved - Target Analyte (TAL)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-23-5	Sodium	124		mg/L	0.100	0.100	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA 6010C	09/24/2013 13:30	09/24/2013 16:58	MW

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	36.5		mg/L	0.010	0.010	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-38-2	Arsenic	0.018		mg/L	0.004	0.004	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-39-3	Barium	0.526		mg/L	0.010	0.010	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-70-2	Calcium	227		mg/L	0.050	0.050	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-47-3	Chromium	0.080		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-48-4	Cobalt	0.035		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-50-8	Copper	0.099		mg/L	0.003	0.003	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7439-89-6	Iron	73.1		mg/L	0.020	0.020	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7439-92-1	Lead	0.448		mg/L	0.003	0.003	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7439-95-4	Magnesium	58.0		mg/L	0.050	0.050	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7439-96-5	Manganese	5.32		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-02-0	Nickel	0.089		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-09-7	Potassium	49.8		mg/L	0.050	0.050	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-23-5	Sodium	124		mg/L	0.100	0.100	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-62-2	Vanadium	0.086		mg/L	0.010	0.010	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW
7440-66-6	Zinc	0.256		mg/L	0.010	0.010	1	EPA 200.7/6010C	09/24/2013 13:32	09/24/2013 17:44	MW



**Sample Information**

**Client Sample ID:** CP-MW-5

**York Sample ID:** 1310825-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310825

91337.00 530 West 28th St.

Water

September 19, 2013 10:05 am

09/23/2013

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00005	0.00005	1	EPA SW846-7473	09/26/2013 14:32	09/27/2013 09:29	ALD

**Mercury by 7473, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.05000	0.05000	1	EPA SW846-7473	09/28/2013 13:28	09/30/2013 15:09	ALD



## Analytical Batch Summary

**Batch ID:** BI31049

**Preparation Method:** EPA 3510C

**Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-06	CP-MW-3	09/24/13
13I0825-07	CP-MW-5	09/24/13
BI31049-BLK1	Blank	09/24/13
BI31049-BLK2	Blank	09/24/13
BI31049-BS1	LCS	09/24/13

**Batch ID:** BI31086

**Preparation Method:** EPA 3010A

**Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-06	CP-MW-3	09/24/13
13I0825-07	CP-MW-5	09/24/13
BI31086-BLK1	Blank	09/24/13
BI31086-SRM1	Reference	09/24/13
BI31086-SRM2	Reference	09/24/13

**Batch ID:** BI31087

**Preparation Method:** EPA 3010A

**Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-06	CP-MW-3	09/24/13
13I0825-07	CP-MW-5	09/24/13
BI31087-BLK1	Blank	09/24/13
BI31087-SRM1	Reference	09/24/13
BI31087-SRM2	Reference	09/24/13

**Batch ID:** BI31088

**Preparation Method:** EPA 3050B

**Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-01	CP-SB-4 (1-2')	09/24/13
13I0825-02	CP-SB-4 (10-12')	09/24/13
13I0825-03	CP-SB-4 (14-16')	09/24/13
13I0825-04	CP-SB-6 (1-2')	09/24/13
13I0825-05	CP-SB-6 (14-16')	09/24/13
BI31088-BLK1	Blank	09/24/13
BI31088-DUP1	Duplicate	09/24/13
BI31088-MS1	Matrix Spike	09/24/13
BI31088-SRM1	Reference	09/24/13

**Batch ID:** BI31092

**Preparation Method:** EPA 3550B

**Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-01	CP-SB-4 (1-2')	09/24/13
13I0825-02	CP-SB-4 (10-12')	09/24/13
13I0825-03	CP-SB-4 (14-16')	09/24/13



13I0825-04	CP-SB-6 (1-2')	09/24/13
13I0825-05	CP-SB-6 (14-16')	09/24/13
BI31092-BLK1	Blank	09/24/13
BI31092-BS1	LCS	09/24/13
BI31092-BSD1	LCS Dup	09/24/13

**Batch ID:** BI31192      **Preparation Method:** % Solids Prep      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-05	CP-SB-6 (14-16')	09/23/13

**Batch ID:** BI31194      **Preparation Method:** % Solids Prep      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-01	CP-SB-4 (1-2')	09/20/13
13I0825-02	CP-SB-4 (10-12')	09/20/13
13I0825-03	CP-SB-4 (14-16')	09/20/13
13I0825-04	CP-SB-6 (1-2')	09/20/13

**Batch ID:** BI31203      **Preparation Method:** EPA 5030B      **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-06	CP-MW-3	09/26/13
13I0825-07	CP-MW-5	09/26/13
BI31203-BLK1	Blank	09/26/13
BI31203-BS1	LCS	09/26/13
BI31203-BSD1	LCS Dup	09/26/13

**Batch ID:** BI31204      **Preparation Method:** EPA 5035A      **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-01	CP-SB-4 (1-2')	09/25/13
13I0825-02	CP-SB-4 (10-12')	09/25/13
BI31204-BLK1	Blank	09/26/13
BI31204-BS1	LCS	09/26/13
BI31204-BSD1	LCS Dup	09/26/13
BI31204-MS1	Matrix Spike	09/26/13

**Batch ID:** BI31209      **Preparation Method:** EPA 7473 soil      **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-01	CP-SB-4 (1-2')	09/26/13
13I0825-02	CP-SB-4 (10-12')	09/26/13
13I0825-03	CP-SB-4 (14-16')	09/26/13
13I0825-04	CP-SB-6 (1-2')	09/26/13
13I0825-05	CP-SB-6 (14-16')	09/26/13
BI31209-BLK1	Blank	09/26/13
BI31209-SRM1	Reference	09/26/13



**Batch ID:** BI31238

**Preparation Method:** EPA 7473 water

**Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-06	CP-MW-3	09/26/13
13I0825-07	CP-MW-5	09/26/13
BI31238-BLK1	Blank	09/26/13
BI31238-SRM1	Reference	09/26/13

**Batch ID:** BI31273

**Preparation Method:** EPA 5035A

**Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-03	CP-SB-4 (14-16')	09/27/13
13I0825-05	CP-SB-6 (14-16')	09/27/13
BI31273-BLK1	Blank	09/27/13
BI31273-BS1	LCS	09/27/13
BI31273-BSD1	LCS Dup	09/27/13

**Batch ID:** BI31335

**Preparation Method:** EPA 7473 water

**Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-06	CP-MW-3	09/28/13
13I0825-07	CP-MW-5	09/28/13
BI31335-BLK1	Blank	09/28/13
BI31335-DUP1	Duplicate	09/28/13
BI31335-MS1	Matrix Spike	09/28/13
BI31335-SRM1	Reference	09/28/13

**Batch ID:** BI31363

**Preparation Method:** EPA 5035A

**Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0825-04	CP-SB-6 (1-2')	09/30/13
BI31363-BLK1	Blank	09/30/13
BI31363-BS1	LCS	09/30/13
BI31363-BSD1	LCS Dup	09/30/13



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

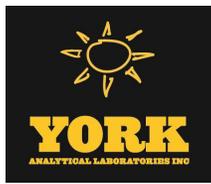
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31203 - EPA 5030B

Blank (BI31203-BLK1)

Prepared & Analyzed: 09/26/2013

1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	5.0	"								
Naphthalene	ND	5.0	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result					RPD		

**Batch BI31203 - EPA 5030B**

**Blank (BI31203-BLK1)**

Prepared & Analyzed: 09/26/2013

p- & m- Xylenes	ND	10	ug/L									
p-Isopropyltoluene	ND	5.0	"									
sec-Butylbenzene	ND	5.0	"									
Styrene	ND	5.0	"									
tert-Butylbenzene	ND	5.0	"									
Tetrachloroethylene	ND	5.0	"									
Toluene	ND	5.0	"									
trans-1,2-Dichloroethylene	ND	5.0	"									
trans-1,3-Dichloropropylene	ND	5.0	"									
Trichloroethylene	ND	5.0	"									
Trichlorofluoromethane	ND	5.0	"									
Vinyl Chloride	ND	5.0	"									
Xylenes, Total	ND	15	"									
Vinyl acetate	ND	5.0	"									
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.0</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>78-122</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>53.2</i>		<i>"</i>	<i>50.0</i>		<i>106</i>	<i>87-112</i>					
<i>Surrogate: Toluene-d8</i>	<i>51.1</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>91-110</i>					

**LCS (BI31203-BS1)**

Prepared & Analyzed: 09/26/2013

1,1,1,2-Tetrachloroethane	50		ug/L	50.0		101	90-116					
1,1,1-Trichloroethane	46		"	50.0		93.0	83-125					
1,1,2,2-Tetrachloroethane	50		"	50.0		99.4	84-122					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		96.2	66-141					
1,1,2-Trichloroethane	48		"	50.0		97.0	83-116					
1,1-Dichloroethane	53		"	50.0		106	82-121					
1,1-Dichloroethylene	43		"	50.0		86.9	59-135					
1,1-Dichloropropylene	45		"	50.0		90.3	81-112					
1,2,3-Trichlorobenzene	58		"	50.0		116	74-132					
1,2,3-Trichloropropane	48		"	50.0		95.2	83-118					
1,2,4-Trichlorobenzene	55		"	50.0		110	72-133					
1,2,4-Trimethylbenzene	48		"	50.0		95.1	82-119					
1,2-Dibromo-3-chloropropane	48		"	50.0		96.4	69-134					
1,2-Dibromoethane	49		"	50.0		98.2	85-118					
1,2-Dichlorobenzene	50		"	50.0		99.5	87-116					
1,2-Dichloroethane	48		"	50.0		96.3	79-125					
1,2-Dichloropropane	48		"	50.0		96.6	82-119					
1,3,5-Trimethylbenzene	48		"	50.0		96.0	84-120					
1,3-Dichlorobenzene	50		"	50.0		99.4	85-116					
1,3-Dichloropropane	49		"	50.0		97.5	86-114					
1,4-Dichlorobenzene	50		"	50.0		99.1	84-116					
2,2-Dichloropropane	47		"	50.0		93.5	56-138					
2-Butanone	44		"	50.0		87.8	59-127					
2-Chlorotoluene	47		"	50.0		93.1	82-117					
4-Chlorotoluene	47		"	50.0		93.2	84-118					
Acetone	34		"	50.0		68.1	30-112					
Benzene	46		"	50.0		92.7	88-113					
Bromobenzene	48		"	50.0		96.3	85-117					
Bromochloromethane	47		"	50.0		93.1	80-120					
Bromodichloromethane	50		"	50.0		101	87-122					
Bromoform	49		"	50.0		97.8	83-127					
Bromomethane	48		"	50.0		95.7	36-135					
Carbon tetrachloride	48		"	50.0		96.7	82-128					



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	

**Batch BI31203 - EPA 5030B**

**LCS (BI31203-BS1)**

Prepared & Analyzed: 09/26/2013

Chlorobenzene	49		ug/L	50.0		97.5	90-111				
Chloroethane	42		"	50.0		84.4	60-132				
Chloroform	48		"	50.0		96.1	89-116				
Chloromethane	38		"	50.0		76.0	39-131				
cis-1,2-Dichloroethylene	48		"	50.0		95.4	90-112				
cis-1,3-Dichloropropylene	53		"	50.0		106	89-124				
Dibromochloromethane	54		"	50.0		107	82-132				
Dibromomethane	49		"	50.0		98.7	83-124				
Dichlorodifluoromethane	28		"	50.0		57.0	10-143				
Ethyl Benzene	49		"	50.0		97.7	91-117				
Hexachlorobutadiene	51		"	50.0		102	83-129				
Isopropylbenzene	47		"	50.0		93.4	82-122				
Methyl tert-butyl ether (MTBE)	43		"	50.0		85.8	59-135				
Methylene chloride	44		"	50.0		89.0	51-136				
Naphthalene	58		"	50.0		115	61-147				
n-Butylbenzene	49		"	50.0		97.8	79-122				
n-Propylbenzene	47		"	50.0		93.9	80-123				
o-Xylene	48		"	50.0		96.8	91-110				
p- & m- Xylenes	98		"	100		97.7	86-118				
p-Isopropyltoluene	49		"	50.0		97.6	83-125				
sec-Butylbenzene	48		"	50.0		97.0	82-127				
Styrene	53		"	50.0		105	88-121				
tert-Butylbenzene	48		"	50.0		96.2	70-130				
Tetrachloroethylene	52		"	50.0		105	67-138				
Toluene	48		"	50.0		95.9	88-113				
trans-1,2-Dichloroethylene	45		"	50.0		90.5	73-123				
trans-1,3-Dichloropropylene	52		"	50.0		104	85-123				
Trichloroethylene	49		"	50.0		98.6	83-120				
Trichlorofluoromethane	43		"	50.0		85.7	62-138				
Vinyl Chloride	40		"	50.0		79.3	49-127				
Vinyl acetate	14		"	50.0		27.4	21-90				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>50.7</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>78-122</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>49.4</i>		<i>"</i>	<i>50.0</i>		<i>98.8</i>	<i>87-112</i>				
<i>Surrogate: Toluene-d8</i>	<i>50.6</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>91-110</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
<b>Batch BI31203 - EPA 5030B</b>										
<b>LCS Dup (BI31203-bsd1)</b>										
Prepared & Analyzed: 09/26/2013										
1,1,1,2-Tetrachloroethane	49		ug/L	50.0	97.9	90-116			3.06	30
1,1,1-Trichloroethane	46		"	50.0	91.3	83-125			1.85	30
1,1,2,2-Tetrachloroethane	47		"	50.0	93.7	84-122			5.95	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49		"	50.0	97.9	66-141			1.69	30
1,1,2-Trichloroethane	46		"	50.0	92.2	83-116			5.03	30
1,1-Dichloroethane	52		"	50.0	104	82-121			1.45	30
1,1-Dichloroethylene	42		"	50.0	84.4	59-135			2.94	30
1,1-Dichloropropylene	44		"	50.0	88.3	81-112			2.19	30
1,2,3-Trichlorobenzene	54		"	50.0	108	74-132			6.98	30
1,2,3-Trichloropropane	48		"	50.0	95.3	83-118			0.126	30
1,2,4-Trichlorobenzene	54		"	50.0	108	72-133			2.04	30
1,2,4-Trimethylbenzene	46		"	50.0	91.7	82-119			3.58	30
1,2-Dibromo-3-chloropropane	46		"	50.0	92.0	69-134			4.73	30
1,2-Dibromoethane	48		"	50.0	95.9	85-118			2.37	30
1,2-Dichlorobenzene	48		"	50.0	95.0	87-116			4.59	30
1,2-Dichloroethane	48		"	50.0	95.4	79-125			0.897	30
1,2-Dichloropropane	47		"	50.0	94.1	82-119			2.60	30
1,3,5-Trimethylbenzene	46		"	50.0	92.5	84-120			3.69	30
1,3-Dichlorobenzene	48		"	50.0	95.2	85-116			4.28	30
1,3-Dichloropropane	48		"	50.0	95.6	86-114			2.01	30
1,4-Dichlorobenzene	48		"	50.0	96.3	84-116			2.84	30
2,2-Dichloropropane	45		"	50.0	90.2	56-138			3.59	30
2-Butanone	43		"	50.0	86.9	59-127			1.01	30
2-Chlorotoluene	45		"	50.0	90.5	82-117			2.77	30
4-Chlorotoluene	45		"	50.0	90.9	84-118			2.45	30
Acetone	30		"	50.0	60.4	30-112			11.9	30
Benzene	46		"	50.0	91.9	88-113			0.867	30
Bromobenzene	47		"	50.0	93.0	85-117			3.46	30
Bromochloromethane	45		"	50.0	89.8	80-120			3.67	30
Bromodichloromethane	51		"	50.0	102	87-122			1.28	30
Bromoform	48		"	50.0	96.8	83-127			0.966	30
Bromomethane	47		"	50.0	94.7	36-135			1.09	30
Carbon tetrachloride	47		"	50.0	93.6	82-128			3.30	30
Chlorobenzene	48		"	50.0	95.8	90-111			1.80	30
Chloroethane	41		"	50.0	81.6	60-132			3.42	30
Chloroform	48		"	50.0	95.9	89-116			0.208	30
Chloromethane	36		"	50.0	71.3	39-131			6.35	30
cis-1,2-Dichloroethylene	47		"	50.0	93.1	90-112			2.44	30
cis-1,3-Dichloropropylene	50		"	50.0	101	89-124			4.63	30
Dibromochloromethane	52		"	50.0	104	82-132			2.65	30
Dibromomethane	47		"	50.0	94.7	83-124			4.18	30
Dichlorodifluoromethane	26		"	50.0	52.8	10-143			7.61	30
Ethyl Benzene	48		"	50.0	95.8	91-117			1.96	30
Hexachlorobutadiene	49		"	50.0	98.0	83-129			4.39	30
Isopropylbenzene	46		"	50.0	92.7	82-122			0.774	30
Methyl tert-butyl ether (MTBE)	40		"	50.0	80.3	59-135			6.55	30
Methylene chloride	42		"	50.0	83.0	51-136			6.95	30
Naphthalene	55		"	50.0	111	61-147			3.75	30
n-Butylbenzene	47		"	50.0	94.5	79-122			3.41	30
n-Propylbenzene	45		"	50.0	90.2	80-123			4.00	30
o-Xylene	47		"	50.0	94.5	91-110			2.45	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI31203 - EPA 5030B**

**LCS Dup (BI31203-BSD1)**

Prepared & Analyzed: 09/26/2013

p- & m- Xylenes	95		ug/L	100		95.4	86-118		2.34	30	
p-Isopropyltoluene	47		"	50.0		94.4	83-125		3.33	30	
sec-Butylbenzene	47		"	50.0		93.9	82-127		3.23	30	
Styrene	51		"	50.0		103	88-121		2.31	30	
tert-Butylbenzene	47		"	50.0		93.1	70-130		3.30	30	
Tetrachloroethylene	52		"	50.0		105	67-138		0.344	30	
Toluene	47		"	50.0		94.5	88-113		1.43	30	
trans-1,2-Dichloroethylene	44		"	50.0		88.9	73-123		1.76	30	
trans-1,3-Dichloropropylene	50		"	50.0		99.4	85-123		4.54	30	
Trichloroethylene	49		"	50.0		98.7	83-120		0.101	30	
Trichlorofluoromethane	42		"	50.0		84.3	62-138		1.58	30	
Vinyl Chloride	38		"	50.0		75.8	49-127		4.49	30	
Vinyl acetate	14		"	50.0		27.1	21-90		1.03	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.4</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>78-122</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>49.5</i>		<i>"</i>	<i>50.0</i>		<i>99.0</i>	<i>87-112</i>				
<i>Surrogate: Toluene-d8</i>	<i>51.8</i>		<i>"</i>	<i>50.0</i>		<i>104</i>	<i>91-110</i>				

**Batch BI31204 - EPA 5035A**

**Blank (BI31204-BLK1)**

Prepared & Analyzed: 09/26/2013

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
Acetone	0.0034	0.010	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit								Limit			

**Batch BI31204 - EPA 5035A**

**Blank (BI31204-BLK1)**

Prepared & Analyzed: 09/26/2013

Bromomethane	ND	0.0050	mg/kg wet										
Carbon tetrachloride	ND	0.0050	"										
Chlorobenzene	ND	0.0050	"										
Chloroethane	ND	0.0050	"										
Chloroform	ND	0.0050	"										
Chloromethane	ND	0.0050	"										
cis-1,2-Dichloroethylene	ND	0.0050	"										
cis-1,3-Dichloropropylene	ND	0.0050	"										
Dibromochloromethane	ND	0.0050	"										
Dibromomethane	ND	0.0050	"										
Dichlorodifluoromethane	ND	0.0050	"										
Ethyl Benzene	ND	0.0050	"										
Hexachlorobutadiene	ND	0.0050	"										
Isopropylbenzene	ND	0.0050	"										
Methyl tert-butyl ether (MTBE)	ND	0.0050	"										
Methylene chloride	ND	0.010	"										
Naphthalene	ND	0.010	"										
n-Butylbenzene	ND	0.0050	"										
n-Propylbenzene	ND	0.0050	"										
o-Xylene	ND	0.0050	"										
p- & m- Xylenes	ND	0.010	"										
p-Isopropyltoluene	ND	0.0050	"										
sec-Butylbenzene	ND	0.0050	"										
Styrene	ND	0.0050	"										
tert-Butylbenzene	ND	0.0050	"										
Tetrachloroethylene	ND	0.0050	"										
Toluene	ND	0.0050	"										
trans-1,2-Dichloroethylene	ND	0.0050	"										
trans-1,3-Dichloropropylene	ND	0.0050	"										
Trichloroethylene	ND	0.0050	"										
Trichlorofluoromethane	ND	0.0050	"										
Vinyl Chloride	ND	0.0050	"										
Xylenes, Total	ND	0.015	"										
Vinyl acetate	ND	0.0050	"										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	53.0		ug/L	50.0		106		72-137					
<i>Surrogate: p-Bromofluorobenzene</i>	56.3		"	50.0		113		72-138					
<i>Surrogate: Toluene-d8</i>	52.7		"	50.0		105		85-118					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31204 - EPA 5035A

LCS (BI31204-BS1)

Prepared & Analyzed: 09/26/2013

1,1,1,2-Tetrachloroethane	50		ug/L	50.0		101	91-113				
1,1,1-Trichloroethane	53		"	50.0		106	76-135				
1,1,2,2-Tetrachloroethane	55		"	50.0		111	82-119				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		106	68-144				
1,1,2-Trichloroethane	49		"	50.0		97.8	82-114				
1,1-Dichloroethane	53		"	50.0		106	80-119				
1,1-Dichloroethylene	50		"	50.0		100	58-139				
1,1-Dichloropropylene	50		"	50.0		99.6	75-117				
1,2,3-Trichlorobenzene	50		"	50.0		99.7	72-133				
1,2,3-Trichloropropane	54		"	50.0		108	82-117				
1,2,4-Trichlorobenzene	49		"	50.0		98.3	69-135				
1,2,4-Trimethylbenzene	50		"	50.0		99.5	82-116				
1,2-Dibromo-3-chloropropane	54		"	50.0		108	72-131				
1,2-Dibromoethane	51		"	50.0		101	86-114				
1,2-Dichlorobenzene	50		"	50.0		101	85-114				
1,2-Dichloroethane	53		"	50.0		107	72-136				
1,2-Dichloropropane	49		"	50.0		98.9	79-119				
1,3,5-Trimethylbenzene	53		"	50.0		105	86-114				
1,3-Dichlorobenzene	49		"	50.0		99.0	84-114				
1,3-Dichloropropane	50		"	50.0		101	82-117				
1,4-Dichlorobenzene	50		"	50.0		99.2	82-116				
1,4-Dioxane	1200		"	1000		120	10-208				
2,2-Dichloropropane	53		"	50.0		105	44-148				
2-Butanone	56		"	50.0		112	60-129				
2-Chlorotoluene	49		"	50.0		98.5	82-114				
4-Chlorotoluene	50		"	50.0		99.1	82-117				
Acetone	43		"	50.0		87.0	26-119				
Benzene	53		"	50.0		106	81-117				
Bromobenzene	51		"	50.0		103	85-114				
Bromochloromethane	52		"	50.0		104	79-118				
Bromodichloromethane	49		"	50.0		98.9	88-123				
Bromoform	56		"	50.0		112	85-122				
Bromomethane	59		"	50.0		119	43-137				
Carbon tetrachloride	54		"	50.0		107	79-135				
Chlorobenzene	50		"	50.0		101	87-112				
Chloroethane	48		"	50.0		96.6	60-132				
Chloroform	53		"	50.0		107	80-126				
Chloromethane	49		"	50.0		98.5	36-133				
cis-1,2-Dichloroethylene	53		"	50.0		105	80-119				
cis-1,3-Dichloropropylene	51		"	50.0		103	87-125				
Dibromochloromethane	51		"	50.0		101	86-128				
Dibromomethane	49		"	50.0		98.6	85-121				
Dichlorodifluoromethane	35		"	50.0		69.7	10-156				
Ethyl Benzene	52		"	50.0		104	88-117				
Hexachlorobutadiene	48		"	50.0		96.8	82-129				
Isopropylbenzene	51		"	50.0		102	84-116				
Methyl tert-butyl ether (MTBE)	53		"	50.0		105	58-137				
Methylene chloride	51		"	50.0		102	47-140				
Naphthalene	53		"	50.0		107	65-143				
n-Butylbenzene	52		"	50.0		103	79-119				
n-Propylbenzene	50		"	50.0		101	82-116				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31204 - EPA 5035A

LCS (BI31204-BS1)

Prepared & Analyzed: 09/26/2013

o-Xylene	51		ug/L	50.0		101	88-111				
p- & m- Xylenes	110		"	100		107	86-117				
p-Isopropyltoluene	51		"	50.0		102	84-120				
sec-Butylbenzene	52		"	50.0		104	85-119				
Styrene	55		"	50.0		110	85-119				
tert-Butylbenzene	54		"	50.0		107	84-119				
Tetrachloroethylene	46		"	50.0		93.0	74-127				
Toluene	49		"	50.0		97.5	83-114				
trans-1,2-Dichloroethylene	51		"	50.0		101	68-131				
trans-1,3-Dichloropropylene	51		"	50.0		103	81-127				
Trichloroethylene	48		"	50.0		95.2	84-118				
Trichlorofluoromethane	50		"	50.0		99.4	59-148				
Vinyl Chloride	47		"	50.0		94.6	46-133				
Vinyl acetate	18		"	50.0		36.1	10-84				
Surrogate: 1,2-Dichloroethane-d4	51.7		"	50.0		103	72-137				
Surrogate: p-Bromofluorobenzene	49.4		"	50.0		98.9	72-138				
Surrogate: Toluene-d8	47.7		"	50.0		95.4	85-118				

LCS Dup (BI31204-BSD1)

Prepared & Analyzed: 09/26/2013

1,1,1,2-Tetrachloroethane	49		ug/L	50.0		97.1	91-113		3.50	30	
1,1,1-Trichloroethane	51		"	50.0		102	76-135		3.50	30	
1,1,2,2-Tetrachloroethane	50		"	50.0		100	82-119		9.67	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50		"	50.0		99.6	68-144		5.96	30	
1,1,2-Trichloroethane	51		"	50.0		102	82-114		4.62	30	
1,1-Dichloroethane	51		"	50.0		102	80-119		4.05	30	
1,1-Dichloroethylene	47		"	50.0		93.6	58-139		6.55	30	
1,1-Dichloropropylene	49		"	50.0		97.9	75-117		1.68	30	
1,2,3-Trichlorobenzene	48		"	50.0		96.7	72-133		3.05	30	
1,2,3-Trichloropropane	50		"	50.0		100	82-117		7.44	30	
1,2,4-Trichlorobenzene	49		"	50.0		98.2	69-135		0.0204	30	
1,2,4-Trimethylbenzene	46		"	50.0		92.8	82-116		6.93	30	
1,2-Dibromo-3-chloropropane	54		"	50.0		107	72-131		0.538	30	
1,2-Dibromoethane	50		"	50.0		100	86-114		0.695	30	
1,2-Dichlorobenzene	51		"	50.0		102	85-114		0.829	30	
1,2-Dichloroethane	50		"	50.0		101	72-136		5.83	30	
1,2-Dichloropropane	50		"	50.0		101	79-119		1.88	30	
1,3,5-Trimethylbenzene	49		"	50.0		98.6	86-114		6.38	30	
1,3-Dichlorobenzene	48		"	50.0		95.5	84-114		3.52	30	
1,3-Dichloropropane	50		"	50.0		101	82-117		0.198	30	
1,4-Dichlorobenzene	47		"	50.0		93.6	82-116		5.87	30	
1,4-Dioxane	1200		"	1000		123	10-208		2.70	30	
2,2-Dichloropropane	49		"	50.0		98.6	44-148		6.31	30	
2-Butanone	51		"	50.0		101	60-129		10.4	30	
2-Chlorotoluene	46		"	50.0		91.3	82-114		7.57	30	
4-Chlorotoluene	47		"	50.0		94.4	82-117		4.82	30	
Acetone	38		"	50.0		76.9	26-119		12.3	30	
Benzene	51		"	50.0		102	81-117		4.14	30	
Bromobenzene	49		"	50.0		98.2	85-114		4.34	30	
Bromochloromethane	49		"	50.0		98.4	79-118		5.94	30	
Bromodichloromethane	52		"	50.0		103	88-123		4.39	30	
Bromoform	51		"	50.0		101	85-122		9.65	30	
Bromomethane	57		"	50.0		113	43-137		4.79	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit

**Batch BI31204 - EPA 5035A**

**LCS Dup (BI31204-bsd1)**

Prepared & Analyzed: 09/26/2013

Carbon tetrachloride	52		ug/L	50.0		104	79-135		3.41	30
Chlorobenzene	49		"	50.0		98.5	87-112		2.53	30
Chloroethane	46		"	50.0		91.6	60-132		5.27	30
Chloroform	51		"	50.0		101	80-126		5.22	30
Chloromethane	48		"	50.0		96.5	36-133		2.07	30
cis-1,2-Dichloroethylene	50		"	50.0		101	80-119		4.10	30
cis-1,3-Dichloropropylene	53		"	50.0		107	87-125		3.92	30
Dibromochloromethane	53		"	50.0		106	86-128		4.14	30
Dibromomethane	50		"	50.0		100	85-121		1.89	30
Dichlorodifluoromethane	31		"	50.0		62.9	10-156		10.3	30
Ethyl Benzene	51		"	50.0		103	88-117		1.08	30
Hexachlorobutadiene	50		"	50.0		99.3	82-129		2.57	30
Isopropylbenzene	48		"	50.0		96.9	84-116		5.11	30
Methyl tert-butyl ether (MTBE)	50		"	50.0		100	58-137		5.00	30
Methylene chloride	48		"	50.0		95.5	47-140		6.21	30
Naphthalene	51		"	50.0		102	65-143		4.44	30
n-Butylbenzene	49		"	50.0		98.4	79-119		4.68	30
n-Propylbenzene	48		"	50.0		95.7	82-116		5.07	30
o-Xylene	51		"	50.0		103	88-111		1.53	30
p- & m- Xylenes	110		"	100		106	86-117		0.122	30
p-Isopropyltoluene	49		"	50.0		97.4	84-120		4.32	30
sec-Butylbenzene	49		"	50.0		97.7	85-119		6.34	30
Styrene	55		"	50.0		111	85-119		0.326	30
tert-Butylbenzene	52		"	50.0		105	84-119		2.58	30
Tetrachloroethylene	47		"	50.0		94.4	74-127		1.49	30
Toluene	51		"	50.0		102	83-114		4.41	30
trans-1,2-Dichloroethylene	48		"	50.0		96.8	68-131		4.60	30
trans-1,3-Dichloropropylene	53		"	50.0		106	81-127		2.69	30
Trichloroethylene	50		"	50.0		99.0	84-118		3.89	30
Trichlorofluoromethane	47		"	50.0		94.5	59-148		5.03	30
Vinyl Chloride	44		"	50.0		88.9	46-133		6.21	30
Vinyl acetate	16		"	50.0		31.9	10-84		12.4	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>49.8</i>		<i>"</i>	<i>50.0</i>		<i>99.5</i>	<i>72-137</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>48.3</i>		<i>"</i>	<i>50.0</i>		<i>96.6</i>	<i>72-138</i>			
<i>Surrogate: Toluene-d8</i>	<i>50.6</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>85-118</i>			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31204 - EPA 5035A

Matrix Spike (BI31204-MS1)

\*Source sample: 1310825-01 (CP-SB-4 (1-2'))

Prepared & Analyzed: 09/26/2013

1,1,1,2-Tetrachloroethane	36		ug/L	50.0	ND	71.6	34-152				
1,1,1-Trichloroethane	36		"	50.0	ND	72.8	49-148				
1,1,2,2-Tetrachloroethane	18		"	50.0	ND	35.4	17-159				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	28		"	50.0	ND	56.7	32-139				
1,1,2-Trichloroethane	39		"	50.0	ND	77.2	50-139				
1,1-Dichloroethane	38		"	50.0	ND	76.7	54-140				
1,1-Dichloroethylene	31		"	50.0	ND	62.2	32-149				
1,1-Dichloropropylene	26		"	50.0	ND	51.7	41-123				
1,2,3-Trichlorobenzene	8.9		"	50.0	ND	17.8	10-126				
1,2,3-Trichloropropane	53		"	50.0	ND	106	38-147				
1,2,4-Trichlorobenzene	9.3		"	50.0	ND	18.5	10-121				
1,2,4-Trimethylbenzene	24		"	50.0	ND	49.0	13-136				
1,2-Dibromo-3-chloropropane	36		"	50.0	ND	71.0	10-166				
1,2-Dibromoethane	28		"	50.0	ND	56.3	58-124	Low Bias			
1,2-Dichlorobenzene	19		"	50.0	ND	37.9	20-126				
1,2-Dichloroethane	33		"	50.0	ND	66.9	58-139				
1,2-Dichloropropane	42		"	50.0	ND	84.1	50-142				
1,3,5-Trimethylbenzene	30		"	50.0	ND	60.9	31-128				
1,3-Dichlorobenzene	18		"	50.0	ND	36.8	24-120				
1,3-Dichloropropane	35		"	50.0	ND	69.8	61-124				
1,4-Dichlorobenzene	16		"	50.0	ND	32.4	14-124				
1,4-Dioxane	1400		"	1000	ND	138	33-178				
2,2-Dichloropropane	31		"	50.0	ND	61.0	10-165				
2-Butanone	36		"	50.0	8.5	55.7	37-133				
2-Chlorotoluene	28		"	50.0	ND	55.4	23-130				
4-Chlorotoluene	22		"	50.0	ND	43.5	20-129				
Acetone	45		"	50.0	75	NR	17-123	Low Bias			
Benzene	31		"	50.0	ND	62.8	57-128				
Bromobenzene	27		"	50.0	ND	53.7	30-133				
Bromochloromethane	32		"	50.0	ND	64.1	68-120	Low Bias			
Bromodichloromethane	38		"	50.0	ND	76.4	54-144				
Bromoform	45		"	50.0	ND	89.2	36-143				
Bromomethane	42		"	50.0	ND	84.1	23-127				
Carbon tetrachloride	32		"	50.0	ND	64.4	42-146				
Chlorobenzene	21		"	50.0	ND	42.0	39-127				
Chloroethane	38		"	50.0	ND	75.0	52-132				
Chloroform	37		"	50.0	ND	74.9	61-135				
Chloromethane	50		"	50.0	ND	99.1	32-135				
cis-1,2-Dichloroethylene	29		"	50.0	ND	57.3	60-126	Low Bias			
cis-1,3-Dichloropropylene	27		"	50.0	ND	54.1	48-132				
Dibromochloromethane	36		"	50.0	ND	71.9	44-145				
Dibromomethane	33		"	50.0	ND	65.3	67-129	Low Bias			
Dichlorodifluoromethane	29		"	50.0	ND	58.2	10-131				
Ethyl Benzene	25		"	50.0	ND	50.7	37-133				
Hexachlorobutadiene	7.3		"	50.0	ND	14.6	10-126				
Isopropylbenzene	32		"	50.0	ND	64.6	34-133				
Methyl tert-butyl ether (MTBE)	42		"	50.0	ND	84.4	50-146				
Methylene chloride	40		"	50.0	ND	79.3	21-163				
Naphthalene	8.8		"	50.0	0.76	16.1	10-140				
n-Butylbenzene	15		"	50.0	ND	29.8	10-123				
n-Propylbenzene	25		"	50.0	ND	50.8	30-121				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					Limit	

Batch BI31204 - EPA 5035A

Matrix Spike (BI31204-MS1)

\*Source sample: 1310825-01 (CP-SB-4 (1-2'))

Prepared & Analyzed: 09/26/2013

o-Xylene	26		ug/L	50.0	ND	51.2	37-131				
p- & m- Xylenes	46		"	100	ND	46.4	34-131				
p-Isopropyltoluene	24		"	50.0	ND	47.2	19-122				
sec-Butylbenzene	24		"	50.0	ND	48.8	19-133				
Styrene	15		"	50.0	ND	30.8	20-138				
tert-Butylbenzene	23		"	50.0	ND	46.4	10-141				
Tetrachloroethylene	42		"	50.0	ND	84.0	27-163				
Toluene	29		"	50.0	ND	58.9	46-129				
trans-1,2-Dichloroethylene	24		"	50.0	ND	47.6	42-133				
trans-1,3-Dichloropropylene	19		"	50.0	ND	38.7	37-135				
Trichloroethylene	44		"	50.0	ND	87.0	55-135				
Trichlorofluoromethane	33		"	50.0	ND	66.4	40-142				
Vinyl Chloride	36		"	50.0	ND	72.6	30-137				
Vinyl acetate	0.0		"	50.0	ND		10-62		Low Bias		
Surrogate: 1,2-Dichloroethane-d4	44.3		"	50.0		88.6	72-137				
Surrogate: p-Bromofluorobenzene	70.2		"	50.0		140	72-138				
Surrogate: Toluene-d8	52.6		"	50.0		105	85-118				

Batch BI31273 - EPA 5035A

Blank (BI31273-BLK1)

Prepared & Analyzed: 09/27/2013

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
Acetone	0.0029	0.010	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	%REC				RPD		

**Batch BI31273 - EPA 5035A**

**Blank (BI31273-BLK1)**

Prepared & Analyzed: 09/27/2013

Bromoform	ND	0.0050	mg/kg wet									
Bromomethane	ND	0.0050	"									
Carbon tetrachloride	ND	0.0050	"									
Chlorobenzene	ND	0.0050	"									
Chloroethane	ND	0.0050	"									
Chloroform	ND	0.0050	"									
Chloromethane	ND	0.0050	"									
cis-1,2-Dichloroethylene	ND	0.0050	"									
cis-1,3-Dichloropropylene	ND	0.0050	"									
Dibromochloromethane	ND	0.0050	"									
Dibromomethane	ND	0.0050	"									
Dichlorodifluoromethane	ND	0.0050	"									
Ethyl Benzene	ND	0.0050	"									
Hexachlorobutadiene	ND	0.0050	"									
Isopropylbenzene	ND	0.0050	"									
Methyl tert-butyl ether (MTBE)	ND	0.0050	"									
Methylene chloride	ND	0.010	"									
Naphthalene	ND	0.010	"									
n-Butylbenzene	ND	0.0050	"									
n-Propylbenzene	ND	0.0050	"									
o-Xylene	ND	0.0050	"									
p- & m- Xylenes	ND	0.010	"									
p-Isopropyltoluene	ND	0.0050	"									
sec-Butylbenzene	ND	0.0050	"									
Styrene	ND	0.0050	"									
tert-Butylbenzene	ND	0.0050	"									
Tetrachloroethylene	ND	0.0050	"									
Toluene	ND	0.0050	"									
trans-1,2-Dichloroethylene	ND	0.0050	"									
trans-1,3-Dichloropropylene	ND	0.0050	"									
Trichloroethylene	ND	0.0050	"									
Trichlorofluoromethane	ND	0.0050	"									
Vinyl Chloride	ND	0.0050	"									
Xylenes, Total	ND	0.015	"									
Vinyl acetate	ND	0.0050	"									
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>48.0</i>		<i>ug/L</i>	<i>50.0</i>		<i>96.0</i>	<i>72-137</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>61.8</i>		<i>"</i>	<i>50.0</i>		<i>124</i>	<i>72-138</i>					
<i>Surrogate: Toluene-d8</i>	<i>52.0</i>		<i>"</i>	<i>50.0</i>		<i>104</i>	<i>85-118</i>					



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	
		Limit								Units	Level

**Batch BI31273 - EPA 5035A**

**LCS (BI31273-BS1)**

Prepared & Analyzed: 09/27/2013

1,1,1,2-Tetrachloroethane	50		ug/L	50.0		99.4	91-113				
1,1,1-Trichloroethane	45		"	50.0		89.1	76-135				
1,1,2,2-Tetrachloroethane	55		"	50.0		109	82-119				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42		"	50.0		84.8	68-144				
1,1,2-Trichloroethane	50		"	50.0		101	82-114				
1,1-Dichloroethane	44		"	50.0		88.2	80-119				
1,1-Dichloroethylene	40		"	50.0		80.4	58-139				
1,1-Dichloropropylene	43		"	50.0		86.9	75-117				
1,2,3-Trichlorobenzene	56		"	50.0		112	72-133				
1,2,3-Trichloropropane	53		"	50.0		106	82-117				
1,2,4-Trichlorobenzene	56		"	50.0		111	69-135				
1,2,4-Trimethylbenzene	51		"	50.0		101	82-116				
1,2-Dibromo-3-chloropropane	53		"	50.0		106	72-131				
1,2-Dibromoethane	51		"	50.0		101	86-114				
1,2-Dichlorobenzene	54		"	50.0		108	85-114				
1,2-Dichloroethane	45		"	50.0		90.3	72-136				
1,2-Dichloropropane	49		"	50.0		98.0	79-119				
1,3,5-Trimethylbenzene	52		"	50.0		105	86-114				
1,3-Dichlorobenzene	53		"	50.0		107	84-114				
1,3-Dichloropropane	50		"	50.0		99.5	82-117				
1,4-Dichlorobenzene	52		"	50.0		105	82-116				
1,4-Dioxane	1300		"	1000		126	10-208				
2,2-Dichloropropane	45		"	50.0		90.0	44-148				
2-Butanone	44		"	50.0		87.0	60-129				
2-Chlorotoluene	50		"	50.0		99.8	82-114				
4-Chlorotoluene	51		"	50.0		102	82-117				
Acetone	35		"	50.0		70.2	26-119				
Benzene	45		"	50.0		90.7	81-117				
Bromobenzene	52		"	50.0		105	85-114				
Bromochloromethane	43		"	50.0		86.2	79-118				
Bromodichloromethane	50		"	50.0		101	88-123				
Bromoform	53		"	50.0		106	85-122				
Bromomethane	46		"	50.0		91.7	43-137				
Carbon tetrachloride	45		"	50.0		90.6	79-135				
Chlorobenzene	50		"	50.0		101	87-112				
Chloroethane	37		"	50.0		73.4	60-132				
Chloroform	46		"	50.0		92.1	80-126				
Chloromethane	37		"	50.0		73.2	36-133				
cis-1,2-Dichloroethylene	45		"	50.0		90.8	80-119				
cis-1,3-Dichloropropylene	53		"	50.0		106	87-125				
Dibromochloromethane	52		"	50.0		104	86-128				
Dibromomethane	51		"	50.0		101	85-121				
Dichlorodifluoromethane	17		"	50.0		34.5	10-156				
Ethyl Benzene	52		"	50.0		104	88-117				
Hexachlorobutadiene	54		"	50.0		108	82-129				
Isopropylbenzene	51		"	50.0		102	84-116				
Methyl tert-butyl ether (MTBE)	45		"	50.0		89.1	58-137				
Methylene chloride	43		"	50.0		86.2	47-140				
Naphthalene	57		"	50.0		114	65-143				
n-Butylbenzene	53		"	50.0		105	79-119				
n-Propylbenzene	52		"	50.0		104	82-116				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								RPD	Limit

Batch BI31273 - EPA 5035A

LCS (BI31273-BS1)

Prepared & Analyzed: 09/27/2013

o-Xylene	51		ug/L	50.0		101		88-111			
p- & m- Xylenes	110		"	100		106		86-117			
p-Isopropyltoluene	53		"	50.0		106		84-120			
sec-Butylbenzene	53		"	50.0		105		85-119			
Styrene	56		"	50.0		112		85-119			
tert-Butylbenzene	52		"	50.0		103		84-119			
Tetrachloroethylene	46		"	50.0		93.0		74-127			
Toluene	49		"	50.0		98.6		83-114			
trans-1,2-Dichloroethylene	42		"	50.0		83.9		68-131			
trans-1,3-Dichloropropylene	52		"	50.0		104		81-127			
Trichloroethylene	49		"	50.0		98.1		84-118			
Trichlorofluoromethane	39		"	50.0		77.2		59-148			
Vinyl Chloride	33		"	50.0		66.4		46-133			
Vinyl acetate	15		"	50.0		29.4		10-84			
Surrogate: 1,2-Dichloroethane-d4	48.0		"	50.0		96.1		72-137			
Surrogate: p-Bromofluorobenzene	49.9		"	50.0		99.8		72-138			
Surrogate: Toluene-d8	50.2		"	50.0		100		85-118			

LCS Dup (BI31273-BSD1)

Prepared & Analyzed: 09/27/2013

1,1,1,2-Tetrachloroethane	51		ug/L	50.0		102		91-113		2.95	30
1,1,1-Trichloroethane	46		"	50.0		91.9		76-135		3.09	30
1,1,2,2-Tetrachloroethane	56		"	50.0		112		82-119		2.33	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42		"	50.0		84.8		68-144		0.00	30
1,1,2-Trichloroethane	51		"	50.0		103		82-114		1.59	30
1,1-Dichloroethane	45		"	50.0		90.6		80-119		2.71	30
1,1-Dichloroethylene	40		"	50.0		80.2		58-139		0.249	30
1,1-Dichloropropylene	45		"	50.0		89.7		75-117		3.19	30
1,2,3-Trichlorobenzene	56		"	50.0		112		72-133		0.00	30
1,2,3-Trichloropropane	55		"	50.0		110		82-117		3.83	30
1,2,4-Trichlorobenzene	55		"	50.0		109		69-135		1.81	30
1,2,4-Trimethylbenzene	50		"	50.0		99.7		82-116		1.39	30
1,2-Dibromo-3-chloropropane	61		"	50.0		122		72-131		14.2	30
1,2-Dibromoethane	52		"	50.0		105		86-114		3.42	30
1,2-Dichlorobenzene	53		"	50.0		106		85-114		2.07	30
1,2-Dichloroethane	47		"	50.0		93.0		72-136		2.95	30
1,2-Dichloropropane	51		"	50.0		102		79-119		3.68	30
1,3,5-Trimethylbenzene	52		"	50.0		105		86-114		0.0191	30
1,3-Dichlorobenzene	51		"	50.0		103		84-114		3.68	30
1,3-Dichloropropane	52		"	50.0		103		82-117		3.92	30
1,4-Dichlorobenzene	51		"	50.0		101		82-116		3.20	30
1,4-Dioxane	1300		"	1000		135		10-208		6.37	30
2,2-Dichloropropane	45		"	50.0		89.6		44-148		0.423	30
2-Butanone	48		"	50.0		96.1		60-129		9.98	30
2-Chlorotoluene	50		"	50.0		100		82-114		0.180	30
4-Chlorotoluene	50		"	50.0		100		82-117		1.92	30
Acetone	35		"	50.0		70.5		26-119		0.455	30
Benzene	47		"	50.0		93.1		81-117		2.57	30
Bromobenzene	53		"	50.0		106		85-114		0.818	30
Bromochloromethane	44		"	50.0		88.7		79-118		2.84	30
Bromodichloromethane	51		"	50.0		103		88-123		1.87	30
Bromoform	56		"	50.0		112		85-122		5.79	30
Bromomethane	43		"	50.0		86.5		43-137		5.81	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31273 - EPA 5035A

LCS Dup (BI31273-bsd1)

Prepared & Analyzed: 09/27/2013

Carbon tetrachloride	46		ug/L	50.0		92.4	79-135		1.97	30	
Chlorobenzene	50		"	50.0		101	87-112		0.198	30	
Chloroethane	36		"	50.0		72.8	60-132		0.848	30	
Chloroform	47		"	50.0		93.6	80-126		1.62	30	
Chloromethane	35		"	50.0		69.1	36-133		5.82	30	
cis-1,2-Dichloroethylene	46		"	50.0		92.1	80-119		1.33	30	
cis-1,3-Dichloropropylene	54		"	50.0		108	87-125		1.25	30	
Dibromochloromethane	54		"	50.0		107	86-128		2.95	30	
Dibromomethane	51		"	50.0		102	85-121		0.354	30	
Dichlorodifluoromethane	15		"	50.0		30.2	10-156		13.2	30	
Ethyl Benzene	53		"	50.0		105	88-117		1.26	30	
Hexachlorobutadiene	56		"	50.0		111	82-129		3.06	30	
Isopropylbenzene	52		"	50.0		104	84-116		1.59	30	
Methyl tert-butyl ether (MTBE)	46		"	50.0		91.5	58-137		2.68	30	
Methylene chloride	44		"	50.0		87.0	47-140		0.993	30	
Naphthalene	60		"	50.0		120	65-143		5.42	30	
n-Butylbenzene	51		"	50.0		102	79-119		3.04	30	
n-Propylbenzene	51		"	50.0		103	82-116		0.969	30	
o-Xylene	52		"	50.0		104	88-111		2.58	30	
p- & m- Xylenes	110		"	100		106	86-117		0.292	30	
p-Isopropyltoluene	52		"	50.0		105	84-120		1.46	30	
sec-Butylbenzene	53		"	50.0		106	85-119		1.11	30	
Styrene	56		"	50.0		112	85-119		0.143	30	
tert-Butylbenzene	52		"	50.0		104	84-119		0.981	30	
Tetrachloroethylene	47		"	50.0		94.7	74-127		1.88	30	
Toluene	51		"	50.0		102	83-114		3.19	30	
trans-1,2-Dichloroethylene	43		"	50.0		86.1	68-131		2.52	30	
trans-1,3-Dichloropropylene	53		"	50.0		107	81-127		2.85	30	
Trichloroethylene	50		"	50.0		100	84-118		2.02	30	
Trichlorofluoromethane	38		"	50.0		75.7	59-148		1.91	30	
Vinyl Chloride	32		"	50.0		64.9	46-133		2.35	30	
Vinyl acetate	15		"	50.0		30.4	10-84		3.35	30	
Surrogate: 1,2-Dichloroethane-d4	47.9		"	50.0		95.7	72-137				
Surrogate: p-Bromofluorobenzene	49.7		"	50.0		99.5	72-138				
Surrogate: Toluene-d8	50.5		"	50.0		101	85-118				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								RPD	Limit

**Batch BI31363 - EPA 5035A**

**Blank (BI31363-BLK1)**

Prepared & Analyzed: 09/30/2013

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
4-Chlorotoluene	ND	0.0050	"
Acetone	ND	0.010	"
Benzene	ND	0.0050	"
Bromobenzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
Dibromomethane	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
Ethyl Benzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"
Isopropylbenzene	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylene chloride	ND	0.010	"
Naphthalene	ND	0.010	"
n-Butylbenzene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31363 - EPA 5035A

Blank (BI31363-BLK1)

Prepared & Analyzed: 09/30/2013

o-Xylene	ND	0.0050	mg/kg wet								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Vinyl acetate	ND	0.0050	"								
Surrogate: 1,2-Dichloroethane-d4	50.6		ug/L	50.0		101	72-137				
Surrogate: p-Bromofluorobenzene	52.8		"	50.0		106	72-138				
Surrogate: Toluene-d8	48.7		"	50.0		97.4	85-118				

LCS (BI31363-BS1)

Prepared & Analyzed: 09/30/2013

1,1,1,2-Tetrachloroethane	51		ug/L	50.0		103	91-113				
1,1,1-Trichloroethane	51		"	50.0		102	76-135				
1,1,2,2-Tetrachloroethane	56		"	50.0		111	82-119				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52		"	50.0		105	68-144				
1,1,2-Trichloroethane	53		"	50.0		106	82-114				
1,1-Dichloroethane	53		"	50.0		105	80-119				
1,1-Dichloroethylene	45		"	50.0		89.6	58-139				
1,1-Dichloropropylene	50		"	50.0		101	75-117				
1,2,3-Trichlorobenzene	58		"	50.0		116	72-133				
1,2,3-Trichloropropane	54		"	50.0		108	82-117				
1,2,4-Trichlorobenzene	55		"	50.0		110	69-135				
1,2,4-Trimethylbenzene	50		"	50.0		99.1	82-116				
1,2-Dibromo-3-chloropropane	56		"	50.0		112	72-131				
1,2-Dibromoethane	54		"	50.0		108	86-114				
1,2-Dichlorobenzene	50		"	50.0		101	85-114				
1,2-Dichloroethane	54		"	50.0		109	72-136				
1,2-Dichloropropane	50		"	50.0		101	79-119				
1,3,5-Trimethylbenzene	48		"	50.0		96.0	86-114				
1,3-Dichlorobenzene	51		"	50.0		102	84-114				
1,3-Dichloropropane	51		"	50.0		102	82-117				
1,4-Dichlorobenzene	52		"	50.0		104	82-116				
1,4-Dioxane	7800		"	1000		784	10-208	High Bias			
2,2-Dichloropropane	49		"	50.0		98.3	44-148				
2-Butanone	60		"	50.0		120	60-129				
2-Chlorotoluene	46		"	50.0		92.8	82-114				
4-Chlorotoluene	47		"	50.0		94.6	82-117				
Acetone	33		"	50.0		66.8	26-119				
Benzene	53		"	50.0		106	81-117				
Bromobenzene	50		"	50.0		99.1	85-114				
Bromochloromethane	53		"	50.0		106	79-118				
Bromodichloromethane	49		"	50.0		98.4	88-123				
Bromoform	55		"	50.0		110	85-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			

**Batch BI31363 - EPA 5035A**

**LCS (BI31363-BS1)**

Prepared & Analyzed: 09/30/2013

Bromomethane	41		ug/L	50.0		82.6		43-137					
Carbon tetrachloride	51		"	50.0		102		79-135					
Chlorobenzene	49		"	50.0		98.0		87-112					
Chloroethane	47		"	50.0		94.4		60-132					
Chloroform	52		"	50.0		104		80-126					
Chloromethane	41		"	50.0		81.0		36-133					
cis-1,2-Dichloroethylene	52		"	50.0		104		80-119					
cis-1,3-Dichloropropylene	52		"	50.0		104		87-125					
Dibromochloromethane	54		"	50.0		107		86-128					
Dibromomethane	53		"	50.0		107		85-121					
Dichlorodifluoromethane	26		"	50.0		52.9		10-156					
Ethyl Benzene	49		"	50.0		98.8		88-117					
Hexachlorobutadiene	53		"	50.0		106		82-129					
Isopropylbenzene	46		"	50.0		91.1		84-116					
Methyl tert-butyl ether (MTBE)	56		"	50.0		113		58-137					
Methylene chloride	51		"	50.0		101		47-140					
Naphthalene	61		"	50.0		121		65-143					
n-Butylbenzene	48		"	50.0		96.1		79-119					
n-Propylbenzene	45		"	50.0		89.4		82-116					
o-Xylene	47		"	50.0		93.9		88-111					
p- & m- Xylenes	94		"	100		93.9		86-117					
p-Isopropyltoluene	50		"	50.0		99.8		84-120					
sec-Butylbenzene	49		"	50.0		97.5		85-119					
Styrene	51		"	50.0		103		85-119					
tert-Butylbenzene	50		"	50.0		99.0		84-119					
Tetrachloroethylene	46		"	50.0		92.9		74-127					
Toluene	48		"	50.0		96.3		83-114					
trans-1,2-Dichloroethylene	52		"	50.0		103		68-131					
trans-1,3-Dichloropropylene	50		"	50.0		99.0		81-127					
Trichloroethylene	48		"	50.0		95.8		84-118					
Trichlorofluoromethane	43		"	50.0		86.9		59-148					
Vinyl Chloride	43		"	50.0		85.8		46-133					
Vinyl acetate	17		"	50.0		34.2		10-84					
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>53.1</i>		<i>"</i>	<i>50.0</i>		<i>106</i>		<i>72-137</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>48.4</i>		<i>"</i>	<i>50.0</i>		<i>96.9</i>		<i>72-138</i>					
<i>Surrogate: Toluene-d8</i>	<i>47.7</i>		<i>"</i>	<i>50.0</i>		<i>95.5</i>		<i>85-118</i>					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI31363 - EPA 5035A</b>											
<b>LCS Dup (BI31363-bsd1)</b>											
Prepared & Analyzed: 09/30/2013											
1,1,1,2-Tetrachloroethane	52		ug/L	50.0		104	91-113		1.22	30	
1,1,1-Trichloroethane	50		"	50.0		99.1	76-135		2.84	30	
1,1,2,2-Tetrachloroethane	58		"	50.0		116	82-119		3.86	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		101	68-144		3.79	30	
1,1,2-Trichloroethane	54		"	50.0		108	82-114		2.08	30	
1,1-Dichloroethane	50		"	50.0		99.3	80-119		5.86	30	
1,1-Dichloroethylene	42		"	50.0		84.1	58-139		6.26	30	
1,1-Dichloropropylene	49		"	50.0		97.8	75-117		2.90	30	
1,2,3-Trichlorobenzene	57		"	50.0		115	72-133		1.59	30	
1,2,3-Trichloropropane	56		"	50.0		112	82-117		3.65	30	
1,2,4-Trichlorobenzene	53		"	50.0		105	69-135		3.94	30	
1,2,4-Trimethylbenzene	49		"	50.0		98.8	82-116		0.283	30	
1,2-Dibromo-3-chloropropane	52		"	50.0		104	72-131		7.44	30	
1,2-Dibromoethane	53		"	50.0		107	86-114		0.709	30	
1,2-Dichlorobenzene	52		"	50.0		104	85-114		3.72	30	
1,2-Dichloroethane	52		"	50.0		105	72-136		3.67	30	
1,2-Dichloropropane	53		"	50.0		105	79-119		4.35	30	
1,3,5-Trimethylbenzene	49		"	50.0		98.6	86-114		2.69	30	
1,3-Dichlorobenzene	51		"	50.0		101	84-114		0.885	30	
1,3-Dichloropropane	51		"	50.0		103	82-117		0.861	30	
1,4-Dichlorobenzene	53		"	50.0		105	82-116		1.28	30	
1,4-Dioxane	8200		"	1000		820	10-208	High Bias	4.44	30	
2,2-Dichloropropane	48		"	50.0		96.3	44-148		2.03	30	
2-Butanone	55		"	50.0		111	60-129		8.55	30	
2-Chlorotoluene	47		"	50.0		94.0	82-114		1.24	30	
4-Chlorotoluene	50		"	50.0		100	82-117		5.59	30	
Acetone	31		"	50.0		61.4	26-119		8.36	30	
Benzene	50		"	50.0		99.9	81-117		6.00	30	
Bromobenzene	51		"	50.0		101	85-114		2.23	30	
Bromochloromethane	51		"	50.0		103	79-118		3.58	30	
Bromodichloromethane	52		"	50.0		103	88-123		4.86	30	
Bromoform	59		"	50.0		117	85-122		6.84	30	
Bromomethane	38		"	50.0		76.2	43-137		8.04	30	
Carbon tetrachloride	49		"	50.0		98.0	79-135		4.10	30	
Chlorobenzene	50		"	50.0		101	87-112		2.58	30	
Chloroethane	45		"	50.0		90.5	60-132		4.24	30	
Chloroform	53		"	50.0		106	80-126		2.29	30	
Chloromethane	36		"	50.0		72.2	36-133		11.5	30	
cis-1,2-Dichloroethylene	51		"	50.0		103	80-119		1.55	30	
cis-1,3-Dichloropropylene	55		"	50.0		109	87-125		5.29	30	
Dibromochloromethane	54		"	50.0		107	86-128		0.0373	30	
Dibromomethane	56		"	50.0		112	85-121		4.98	30	
Dichlorodifluoromethane	25		"	50.0		49.0	10-156		7.61	30	
Ethyl Benzene	51		"	50.0		101	88-117		2.40	30	
Hexachlorobutadiene	53		"	50.0		107	82-129		1.09	30	
Isopropylbenzene	49		"	50.0		98.0	84-116		7.28	30	
Methyl tert-butyl ether (MTBE)	51		"	50.0		103	58-137		8.92	30	
Methylene chloride	47		"	50.0		94.4	47-140		7.07	30	
Naphthalene	61		"	50.0		122	65-143		0.624	30	
n-Butylbenzene	49		"	50.0		97.8	79-119		1.69	30	
n-Propylbenzene	50		"	50.0		99.2	82-116		10.4	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit
<b>Batch BI31363 - EPA 5035A</b>										
<b>LCS Dup (BI31363-BSD1)</b>										
Prepared & Analyzed: 09/30/2013										
o-Xylene	47		ug/L	50.0		94.0	88-111		0.0639	30
p- & m- Xylenes	95		"	100		95.4	86-117		1.67	30
p-Isopropyltoluene	49		"	50.0		98.5	84-120		1.29	30
sec-Butylbenzene	50		"	50.0		101	85-119		3.15	30
Styrene	52		"	50.0		104	85-119		1.53	30
tert-Butylbenzene	50		"	50.0		100	84-119		1.48	30
Tetrachloroethylene	48		"	50.0		95.2	74-127		2.40	30
Toluene	48		"	50.0		95.9	83-114		0.375	30
trans-1,2-Dichloroethylene	48		"	50.0		95.0	68-131		8.27	30
trans-1,3-Dichloropropylene	56		"	50.0		111	81-127		11.5	30
Trichloroethylene	51		"	50.0		102	84-118		5.96	30
Trichlorofluoromethane	42		"	50.0		84.1	59-148		3.25	30
Vinyl Chloride	39		"	50.0		77.8	46-133		9.78	30
Vinyl acetate	16		"	50.0		31.8	10-84		7.40	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.4</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>72-137</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>51.2</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>72-138</i>			
<i>Surrogate: Toluene-d8</i>	<i>46.9</i>		<i>"</i>	<i>50.0</i>		<i>93.8</i>	<i>85-118</i>			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31049 - EPA 3510C

Blank (BI31049-BLK1)

Prepared & Analyzed: 09/24/2013

Acenaphthene	ND	5.00	ug/L								
Acenaphthylene	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	5.00	"								
Benzo(a)anthracene	ND	5.00	"								
Benzo(a)pyrene	ND	5.00	"								
Benzo(b)fluoranthene	ND	5.00	"								
Benzo(g,h,i)perylene	ND	5.00	"								
Benzo(k)fluoranthene	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
Chrysene	ND	5.00	"								
Dibenzo(a,h)anthracene	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
3,3'-Dichlorobenzidine	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	10.0	"								
2,4-Dinitrophenol	ND	10.0	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	5.00	"								
Fluoranthene	ND	5.00	"								
Fluorene	ND	5.00	"								
Hexachlorobenzene	ND	5.00	"								
Hexachlorobutadiene	ND	5.00	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	5.00	"								
Indeno(1,2,3-cd)pyrene	ND	5.00	"								
Isophorone	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
Naphthalene	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31049 - EPA 3510C

Blank (BI31049-BLK1)

Prepared & Analyzed: 09/24/2013

3-Nitroaniline	ND	5.00	ug/L								
2-Nitroaniline	ND	5.00	"								
Nitrobenzene	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodimethylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	5.00	"								
Phenanthrene	ND	5.00	"								
Phenol	ND	5.00	"								
Pyrene	ND	5.00	"								
Pyridine	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
<i>Surrogate: 2-Fluorophenol</i>	<i>19.9</i>		<i>"</i>	<i>74.6</i>		<i>26.7</i>	<i>10-52</i>				
<i>Surrogate: Phenol-d5</i>	<i>11.9</i>		<i>"</i>	<i>75.3</i>		<i>15.8</i>	<i>10-117</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>35.7</i>		<i>"</i>	<i>50.8</i>		<i>70.3</i>	<i>12-112</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>35.9</i>		<i>"</i>	<i>50.0</i>		<i>71.8</i>	<i>14-101</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>54.9</i>		<i>"</i>	<i>78.4</i>		<i>70.0</i>	<i>17-127</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>50.0</i>		<i>"</i>	<i>51.0</i>		<i>98.1</i>	<i>10-151</i>				

Blank (BI31049-BLK2)

Prepared & Analyzed: 09/24/2013

Acenaphthene	ND	6.45	ug/L								
Acenaphthylene	ND	6.45	"								
Aniline	ND	6.45	"								
Anthracene	ND	6.45	"								
Benzo(a)anthracene	ND	6.45	"								
Benzo(a)pyrene	ND	6.45	"								
Benzo(b)fluoranthene	ND	6.45	"								
Benzo(g,h,i)perylene	ND	6.45	"								
Benzo(k)fluoranthene	ND	6.45	"								
Benzyl alcohol	ND	6.45	"								
Benzyl butyl phthalate	ND	6.45	"								
4-Bromophenyl phenyl ether	ND	6.45	"								
4-Chloro-3-methylphenol	ND	6.45	"								
4-Chloroaniline	ND	6.45	"								
Bis(2-chloroethoxy)methane	ND	6.45	"								
Bis(2-chloroethyl)ether	ND	6.45	"								
Bis(2-chloroisopropyl)ether	ND	6.45	"								
2-Chloronaphthalene	ND	6.45	"								
2-Chlorophenol	ND	6.45	"								
4-Chlorophenyl phenyl ether	ND	6.45	"								
Chrysene	ND	6.45	"								
Dibenzo(a,h)anthracene	ND	6.45	"								
Dibenzofuran	ND	6.45	"								
Di-n-butyl phthalate	ND	6.45	"								
1,4-Dichlorobenzene	ND	6.45	"								
1,3-Dichlorobenzene	ND	6.45	"								
1,2-Dichlorobenzene	ND	6.45	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31049 - EPA 3510C

Blank (BI31049-BLK2)

Prepared & Analyzed: 09/24/2013

3,3'-Dichlorobenzidine	ND	6.45	ug/L								
2,4-Dichlorophenol	ND	6.45	"								
Diethyl phthalate	ND	6.45	"								
2,4-Dimethylphenol	ND	6.45	"								
Dimethyl phthalate	ND	6.45	"								
4,6-Dinitro-2-methylphenol	ND	12.9	"								
2,4-Dinitrophenol	ND	12.9	"								
2,4-Dinitrotoluene	ND	6.45	"								
2,6-Dinitrotoluene	ND	6.45	"								
Di-n-octyl phthalate	ND	6.45	"								
Bis(2-ethylhexyl)phthalate	ND	6.45	"								
Fluoranthene	ND	6.45	"								
Fluorene	ND	6.45	"								
Hexachlorobenzene	ND	6.45	"								
Hexachlorobutadiene	ND	6.45	"								
Hexachlorocyclopentadiene	ND	6.45	"								
Hexachloroethane	ND	6.45	"								
Indeno(1,2,3-cd)pyrene	ND	6.45	"								
Isophorone	ND	6.45	"								
2-Methylnaphthalene	ND	6.45	"								
2-Methylphenol	ND	6.45	"								
3- & 4-Methylphenols	ND	6.45	"								
Naphthalene	ND	6.45	"								
4-Nitroaniline	ND	6.45	"								
3-Nitroaniline	ND	6.45	"								
2-Nitroaniline	ND	6.45	"								
Nitrobenzene	ND	6.45	"								
4-Nitrophenol	ND	6.45	"								
2-Nitrophenol	ND	6.45	"								
N-nitroso-di-n-propylamine	ND	6.45	"								
N-Nitrosodimethylamine	ND	6.45	"								
N-Nitrosodiphenylamine	ND	6.45	"								
Pentachlorophenol	ND	6.45	"								
Phenanthrene	ND	6.45	"								
Phenol	ND	6.45	"								
Pyrene	ND	6.45	"								
Pyridine	ND	6.45	"								
1,2,4-Trichlorobenzene	ND	6.45	"								
2,4,5-Trichlorophenol	ND	6.45	"								
2,4,6-Trichlorophenol	ND	6.45	"								
Surrogate: 2-Fluorophenol	25.0		"	96.3		26.0	10-52				
Surrogate: Phenol-d5	16.1		"	97.2		16.5	10-117				
Surrogate: Nitrobenzene-d5	38.9		"	65.5		59.4	12-112				
Surrogate: 2-Fluorobiphenyl	37.7		"	64.5		58.4	14-101				
Surrogate: 2,4,6-Tribromophenol	60.5		"	101		59.8	17-127				
Surrogate: Terphenyl-d14	55.5		"	65.8		84.3	10-151				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit			Result					RPD	Limit
<b>Batch BI31049 - EPA 3510C</b>											
<b>LCS (BI31049-BS1)</b>											
											Prepared & Analyzed: 09/24/2013
Acenaphthene	35.4	5.00	ug/L	50.0		70.7		31-101			
Acenaphthylene	34.1	5.00	"	50.0		68.1		29-98			
Aniline	25.2	5.00	"	50.0		50.4		10-132			
Anthracene	38.6	5.00	"	50.0		77.1		24-108			
Benzo(a)anthracene	34.4	5.00	"	50.0		68.7		28-117			
Benzo(a)pyrene	46.6	5.00	"	50.0		93.1		24-131			
Benzo(b)fluoranthene	48.2	5.00	"	50.0		96.4		11-145			
Benzo(g,h,i)perylene	34.9	5.00	"	50.0		69.7		10-110			
Benzo(k)fluoranthene	44.8	5.00	"	50.0		89.5		10-161			
Benzyl alcohol	20.9	5.00	"	50.0		41.8		11-82			
Benzyl butyl phthalate	31.8	5.00	"	50.0		63.6		14-134			
4-Bromophenyl phenyl ether	42.4	5.00	"	50.0		84.7		28-109			
4-Chloro-3-methylphenol	31.8	5.00	"	50.0		63.5		23-100			
4-Chloroaniline	42.4	5.00	"	50.0		84.8		17-168			
Bis(2-chloroethoxy)methane	33.2	5.00	"	50.0		66.4		23-106			
Bis(2-chloroethyl)ether	29.1	5.00	"	50.0		58.3		14-116			
Bis(2-chloroisopropyl)ether	31.6	5.00	"	50.0		63.3		10-155			
2-Chloronaphthalene	33.8	5.00	"	50.0		67.7		32-94			
2-Chlorophenol	27.4	5.00	"	50.0		54.8		16-99			
4-Chlorophenyl phenyl ether	40.2	5.00	"	50.0		80.4		26-113			
Chrysene	31.6	5.00	"	50.0		63.2		26-112			
Dibenzo(a,h)anthracene	36.2	5.00	"	50.0		72.3		12-104			
Dibenzofuran	36.6	5.00	"	50.0		73.2		36-96			
Di-n-butyl phthalate	34.9	5.00	"	50.0		69.8		20-119			
1,4-Dichlorobenzene	27.8	5.00	"	50.0		55.6		20-100			
1,3-Dichlorobenzene	30.7	5.00	"	50.0		61.4		19-94			
1,2-Dichlorobenzene	29.9	5.00	"	50.0		59.7		22-97			
3,3'-Dichlorobenzidine	31.1	5.00	"	50.0		62.2		25-154			
2,4-Dichlorophenol	34.9	5.00	"	50.0		69.8		28-97			
Diethyl phthalate	35.4	5.00	"	50.0		70.8		34-104			
2,4-Dimethylphenol	30.8	5.00	"	50.0		61.6		23-94			
Dimethyl phthalate	35.6	5.00	"	50.0		71.3		33-104			
4,6-Dinitro-2-methylphenol	48.1	10.0	"	50.0		96.2		10-133			
2,4-Dinitrophenol	38.7	10.0	"	50.0		77.4		10-145			
2,4-Dinitrotoluene	36.5	5.00	"	50.0		73.1		32-104			
2,6-Dinitrotoluene	38.4	5.00	"	50.0		76.9		34-105			
Di-n-octyl phthalate	38.6	5.00	"	50.0		77.1		10-144			
Bis(2-ethylhexyl)phthalate	32.1	5.00	"	50.0		64.2		10-171			
Fluoranthene	38.5	5.00	"	50.0		77.1		27-110			
Fluorene	38.2	5.00	"	50.0		76.3		32-107			
Hexachlorobenzene	37.3	5.00	"	50.0		74.6		16-127			
Hexachlorobutadiene	33.1	5.00	"	50.0		66.3		22-95			
Hexachlorocyclopentadiene	29.3	5.00	"	50.0		58.6		10-101			
Hexachloroethane	28.9	5.00	"	50.0		57.7		10-99			
Indeno(1,2,3-cd)pyrene	38.2	5.00	"	50.0		76.3		10-107			
Isophorone	34.8	5.00	"	50.0		69.7		19-119			
2-Methylnaphthalene	34.0	5.00	"	50.0		68.1		27-97			
2-Methylphenol	22.6	5.00	"	50.0		45.3		10-88			
3- & 4-Methylphenols	18.1	5.00	"	50.0		36.1		10-71			
Naphthalene	33.0	5.00	"	50.0		66.1		27-95			
4-Nitroaniline	34.6	5.00	"	50.0		69.1		10-139			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result					RPD		

**Batch BI31049 - EPA 3510C**

**LCS (BI31049-BS1)**

Prepared & Analyzed: 09/24/2013

3-Nitroaniline	37.3	5.00	ug/L	50.0		74.7	10-221					
2-Nitroaniline	32.9	5.00	"	50.0		65.8	33-106					
Nitrobenzene	35.2	5.00	"	50.0		70.4	16-114					
4-Nitrophenol	19.8	5.00	"	50.0		39.6	10-55					
2-Nitrophenol	32.5	5.00	"	50.0		64.9	24-101					
N-nitroso-di-n-propylamine	34.9	5.00	"	50.0		69.8	14-133					
N-Nitrosodimethylamine	13.4	5.00	"	50.0		26.9	10-77					
N-Nitrosodiphenylamine	48.2	5.00	"	50.0		96.4	39-123					
Pentachlorophenol	30.6	5.00	"	50.0		61.1	15-150					
Phenanthrene	38.6	5.00	"	50.0		77.2	26-109					
Phenol	9.52	5.00	"	50.0		19.0	10-57					
Pyrene	37.4	5.00	"	50.0		74.9	23-126					
Pyridine	7.53	5.00	"	50.0		15.1	10-69					
1,2,4-Trichlorobenzene	32.2	5.00	"	50.0		64.4	25-91					
2,4,5-Trichlorophenol	36.2	5.00	"	50.0		72.5	30-102					
2,4,6-Trichlorophenol	36.4	5.00	"	50.0		72.9	34-100					
<i>Surrogate: 2-Fluorophenol</i>	<i>17.6</i>		<i>"</i>	<i>74.6</i>		<i>23.7</i>	<i>10-52</i>					
<i>Surrogate: Phenol-d5</i>	<i>12.2</i>		<i>"</i>	<i>75.3</i>		<i>16.2</i>	<i>10-117</i>					
<i>Surrogate: Nitrobenzene-d5</i>	<i>33.4</i>		<i>"</i>	<i>50.8</i>		<i>65.7</i>	<i>12-112</i>					
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>32.3</i>		<i>"</i>	<i>50.0</i>		<i>64.6</i>	<i>14-101</i>					
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>65.5</i>		<i>"</i>	<i>78.4</i>		<i>83.6</i>	<i>17-127</i>					
<i>Surrogate: Terphenyl-d14</i>	<i>36.2</i>		<i>"</i>	<i>51.0</i>		<i>71.0</i>	<i>10-151</i>					

**Batch BI31092 - EPA 3550B**

**Blank (BI31092-BLK1)**

Prepared: 09/24/2013 Analyzed: 09/25/2013

Acenaphthene	ND	0.167	mg/kg wet									
Acenaphthylene	ND	0.167	"									
Aniline	ND	0.167	"									
Anthracene	ND	0.167	"									
Benzo(a)anthracene	ND	0.167	"									
Benzo(a)pyrene	ND	0.167	"									
Benzo(b)fluoranthene	ND	0.167	"									
Benzo(g,h,i)perylene	ND	0.167	"									
Benzo(k)fluoranthene	ND	0.167	"									
Benzyl alcohol	ND	0.167	"									
Benzyl butyl phthalate	ND	0.167	"									
4-Bromophenyl phenyl ether	ND	0.167	"									
4-Chloro-3-methylphenol	ND	0.167	"									
4-Chloroaniline	ND	0.167	"									
Bis(2-chloroethoxy)methane	ND	0.167	"									
Bis(2-chloroethyl)ether	ND	0.167	"									
Bis(2-chloroisopropyl)ether	ND	0.167	"									
2-Chloronaphthalene	ND	0.167	"									
2-Chlorophenol	ND	0.167	"									
4-Chlorophenyl phenyl ether	ND	0.167	"									
Chrysene	ND	0.167	"									
Dibenzo(a,h)anthracene	ND	0.167	"									
Dibenzofuran	ND	0.167	"									
Di-n-butyl phthalate	ND	0.167	"									
1,3-Dichlorobenzene	ND	0.167	"									
1,4-Dichlorobenzene	ND	0.167	"									



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit								RPD	

Batch BI31092 - EPA 3550B

Blank (BI31092-BLK1)

Prepared: 09/24/2013 Analyzed: 09/25/2013

1,2-Dichlorobenzene	ND	0.167	mg/kg wet								
3,3'-Dichlorobenzidine	ND	0.333	"								
2,4-Dichlorophenol	ND	0.167	"								
Diethyl phthalate	ND	0.167	"								
2,4-Dimethylphenol	ND	0.167	"								
Dimethyl phthalate	ND	0.167	"								
4,6-Dinitro-2-methylphenol	ND	0.167	"								
2,4-Dinitrophenol	ND	0.333	"								
2,4-Dinitrotoluene	ND	0.167	"								
2,6-Dinitrotoluene	ND	0.167	"								
Di-n-octyl phthalate	ND	0.167	"								
Bis(2-ethylhexyl)phthalate	ND	0.167	"								
Fluoranthene	ND	0.167	"								
Fluorene	ND	0.167	"								
Hexachlorobenzene	ND	0.167	"								
Hexachlorobutadiene	ND	0.167	"								
Hexachlorocyclopentadiene	ND	0.167	"								
Hexachloroethane	ND	0.167	"								
Indeno(1,2,3-cd)pyrene	ND	0.167	"								
Isophorone	ND	0.167	"								
2-Methylnaphthalene	ND	0.167	"								
2-Methylphenol	ND	0.167	"								
3- & 4-Methylphenols	ND	0.167	"								
Naphthalene	ND	0.167	"								
3-Nitroaniline	ND	0.167	"								
2-Nitroaniline	ND	0.167	"								
4-Nitroaniline	ND	0.167	"								
Nitrobenzene	ND	0.167	"								
2-Nitrophenol	ND	0.167	"								
4-Nitrophenol	ND	0.167	"								
N-nitroso-di-n-propylamine	ND	0.167	"								
N-Nitrosodimethylamine	ND	0.167	"								
N-Nitrosodiphenylamine	ND	0.167	"								
Pentachlorophenol	ND	0.167	"								
Phenanthrene	ND	0.167	"								
Phenol	ND	0.167	"								
Pyrene	ND	0.167	"								
Pyridine	ND	0.167	"								
1,2,4-Trichlorobenzene	ND	0.167	"								
2,4,6-Trichlorophenol	ND	0.167	"								
2,4,5-Trichlorophenol	ND	0.167	"								
Surrogate: 2-Fluorophenol	1.97		"	2.49		79.1		10-109			
Surrogate: Phenol-d5	1.65		"	2.51		65.9		10-124			
Surrogate: Nitrobenzene-d5	1.07		"	1.69		63.1		10-148			
Surrogate: 2-Fluorobiphenyl	1.22		"	1.67		73.1		10-111			
Surrogate: 2,4,6-Tribromophenol	1.49		"	2.61		57.1		10-142			
Surrogate: Terphenyl-d14	1.17		"	1.70		69.1		10-147			



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI31092 - EPA 3550B</b>										
<b>LCS (BI31092-BS1)</b>										
Prepared: 09/24/2013 Analyzed: 09/25/2013										
Acenaphthene	1.49	0.167	mg/kg wet	1.67		89.3				
Acenaphthylene	1.40	0.167	"	1.67		84.0				
Aniline	0.942	0.167	"	1.67		56.5				
Anthracene	1.48	0.167	"	1.67		89.1				
Benzo(a)anthracene	1.39	0.167	"	1.67		83.2				
Benzo(a)pyrene	1.67	0.167	"	1.67		100				
Benzo(b)fluoranthene	1.35	0.167	"	1.67		80.9				
Benzo(g,h,i)perylene	1.42	0.167	"	1.67		85.0				
Benzo(k)fluoranthene	1.40	0.167	"	1.67		83.8				
Benzyl alcohol	1.36	0.167	"	1.67		81.5				
Benzyl butyl phthalate	1.47	0.167	"	1.67		88.2				
4-Bromophenyl phenyl ether	1.33	0.167	"	1.67		79.5				
4-Chloro-3-methylphenol	1.37	0.167	"	1.67		82.3				
4-Chloroaniline	1.34	0.167	"	1.67		80.3				
Bis(2-chloroethoxy)methane	1.25	0.167	"	1.67		75.1				
Bis(2-chloroethyl)ether	1.17	0.167	"	1.67		70.2				
Bis(2-chloroisopropyl)ether	1.07	0.167	"	1.67		64.1				
2-Chloronaphthalene	1.49	0.167	"	1.67		89.3				
2-Chlorophenol	1.41	0.167	"	1.67		84.7				
4-Chlorophenyl phenyl ether	1.45	0.167	"	1.67		87.2				
Chrysene	1.56	0.167	"	1.67		93.4				
Dibenzo(a,h)anthracene	1.38	0.167	"	1.67		82.7				
Dibenzofuran	1.49	0.167	"	1.67		89.2				
Di-n-butyl phthalate	1.47	0.167	"	1.67		88.4				
1,3-Dichlorobenzene	1.46	0.167	"	1.67		87.8				
1,4-Dichlorobenzene	1.42	0.167	"	1.67		85.4				
1,2-Dichlorobenzene	1.44	0.167	"	1.67		86.5				
3,3'-Dichlorobenzidine	1.35	0.333	"	1.67		81.1				
2,4-Dichlorophenol	1.49	0.167	"	1.67		89.5				
Diethyl phthalate	1.44	0.167	"	1.67		86.5				
2,4-Dimethylphenol	1.28	0.167	"	1.67		76.8				
Dimethyl phthalate	1.45	0.167	"	1.67		87.0				
4,6-Dinitro-2-methylphenol	1.39	0.167	"	1.67		83.3				
2,4-Dinitrophenol	1.38	0.333	"	1.67		82.9				
2,4-Dinitrotoluene	1.47	0.167	"	1.67		88.5				
2,6-Dinitrotoluene	1.46	0.167	"	1.67		87.5				
Di-n-octyl phthalate	1.65	0.167	"	1.67		98.8				
Bis(2-ethylhexyl)phthalate	1.57	0.167	"	1.67		94.2				
Fluoranthene	1.47	0.167	"	1.67		88.2				
Fluorene	1.49	0.167	"	1.67		89.1				
Hexachlorobenzene	1.50	0.167	"	1.67		90.0				
Hexachlorobutadiene	1.44	0.167	"	1.67		86.7				
Hexachlorocyclopentadiene	1.28	0.167	"	1.67		76.8				
Hexachloroethane	1.33	0.167	"	1.67		80.1				
Indeno(1,2,3-cd)pyrene	1.45	0.167	"	1.67		87.0				
Isophorone	1.23	0.167	"	1.67		73.5				
2-Methylnaphthalene	1.48	0.167	"	1.67		89.1				
2-Methylphenol	1.31	0.167	"	1.67		78.3				
3- & 4-Methylphenols	1.30	0.167	"	1.67		78.3				
Naphthalene	1.45	0.167	"	1.67		86.7				
3-Nitroaniline	1.43	0.167	"	1.67		86.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31092 - EPA 3550B

LCS (BI31092-BS1)

Prepared: 09/24/2013 Analyzed: 09/25/2013

2-Nitroaniline	1.39	0.167	mg/kg wet	1.67		83.7	38-130				
4-Nitroaniline	1.40	0.167	"	1.67		84.3	10-208				
Nitrobenzene	1.19	0.167	"	1.67		71.6	28-118				
2-Nitrophenol	1.39	0.167	"	1.67		83.2	23-129				
4-Nitrophenol	1.18	0.167	"	1.67		70.6	10-185				
N-nitroso-di-n-propylamine	1.23	0.167	"	1.67		73.8	21-136				
N-Nitrosodimethylamine	1.24	0.167	"	1.67		74.2	10-131				
N-Nitrosodiphenylamine	1.67	0.167	"	1.67		100	36-163				
Pentachlorophenol	1.28	0.167	"	1.67		76.8	15-182				
Phenanthrene	1.48	0.167	"	1.67		88.9	37-132				
Phenol	1.22	0.167	"	1.67		73.0	28-124				
Pyrene	1.50	0.167	"	1.67		90.0	30-147				
Pyridine	0.768	0.167	"	1.67		46.1	10-113				
1,2,4-Trichlorobenzene	1.49	0.167	"	1.67		89.5	22-129				
2,4,6-Trichlorophenol	1.40	0.167	"	1.67		83.9	36-130				
2,4,5-Trichlorophenol	1.42	0.167	"	1.67		85.5	34-126				
Surrogate: 2-Fluorophenol	2.09		"	2.49		84.1	10-109				
Surrogate: Phenol-d5	1.69		"	2.51		67.2	10-124				
Surrogate: Nitrobenzene-d5	1.07		"	1.69		63.3	10-148				
Surrogate: 2-Fluorobiphenyl	1.24		"	1.67		74.3	10-111				
Surrogate: 2,4,6-Tribromophenol	1.47		"	2.61		56.4	10-142				
Surrogate: Terphenyl-d14	1.14		"	1.70		66.8	10-147				

LCS Dup (BI31092-BSD1)

Prepared: 09/24/2013 Analyzed: 09/25/2013

Acenaphthene	1.47	0.167	mg/kg wet	1.67		88.4	35-127		0.968	30	
Acenaphthylene	1.39	0.167	"	1.67		83.3	37-121		0.885	30	
Aniline	0.711	0.167	"	1.67		42.6	10-149		28.0	30	
Anthracene	1.50	0.167	"	1.67		89.8	38-131		0.783	30	
Benzo(a)anthracene	1.36	0.167	"	1.67		81.6	37-137		2.04	30	
Benzo(a)pyrene	1.73	0.167	"	1.67		104	33-162		3.28	30	
Benzo(b)fluoranthene	1.42	0.167	"	1.67		85.3	26-160		5.27	30	
Benzo(g,h,i)perylene	1.51	0.167	"	1.67		90.8	10-154		6.57	30	
Benzo(k)fluoranthene	1.52	0.167	"	1.67		91.3	34-143		8.52	30	
Benzyl alcohol	1.40	0.167	"	1.67		83.7	33-124		2.66	30	
Benzyl butyl phthalate	1.47	0.167	"	1.67		88.0	30-143		0.250	30	
4-Bromophenyl phenyl ether	1.33	0.167	"	1.67		79.6	35-135		0.101	30	
4-Chloro-3-methylphenol	1.40	0.167	"	1.67		83.7	34-133		1.71	30	
4-Chloroaniline	1.12	0.167	"	1.67		67.4	17-175		17.4	30	
Bis(2-chloroethoxy)methane	1.26	0.167	"	1.67		75.9	31-119		0.980	30	
Bis(2-chloroethyl)ether	1.14	0.167	"	1.67		68.7	18-124		2.25	30	
Bis(2-chloroisopropyl)ether	1.06	0.167	"	1.67		63.4	10-141		1.16	30	
2-Chloronaphthalene	1.53	0.167	"	1.67		91.6	34-117		2.59	30	
2-Chlorophenol	1.44	0.167	"	1.67		86.5	32-123		2.01	30	
4-Chlorophenyl phenyl ether	1.42	0.167	"	1.67		85.4	25-142		2.04	30	
Chrysene	1.58	0.167	"	1.67		94.6	38-132		1.34	30	
Dibenzo(a,h)anthracene	1.50	0.167	"	1.67		90.0	14-153		8.48	30	
Dibenzofuran	1.47	0.167	"	1.67		87.9	39-123		1.49	30	
Di-n-butyl phthalate	1.44	0.167	"	1.67		86.7	35-132		1.92	30	
1,3-Dichlorobenzene	1.55	0.167	"	1.67		93.0	22-120		5.69	30	
1,4-Dichlorobenzene	1.37	0.167	"	1.67		81.9	20-122		4.14	30	
1,2-Dichlorobenzene	1.43	0.167	"	1.67		85.9	22-121		0.766	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI31092 - EPA 3550B</b>											
<b>LCS Dup (BI31092-bsd1)</b>											
Prepared: 09/24/2013 Analyzed: 09/25/2013											
3,3'-Dichlorobenzidine	1.19	0.333	mg/kg wet	1.67		71.6	16-177		12.5	30	
2,4-Dichlorophenol	1.54	0.167	"	1.67		92.2	30-134		2.95	30	
Diethyl phthalate	1.44	0.167	"	1.67		86.4	41-125		0.162	30	
2,4-Dimethylphenol	1.32	0.167	"	1.67		79.1	33-120		2.90	30	
Dimethyl phthalate	1.56	0.167	"	1.67		93.5	39-125		7.25	30	
4,6-Dinitro-2-methylphenol	1.41	0.167	"	1.67		84.9	10-165		1.88	30	
2,4-Dinitrophenol	1.53	0.333	"	1.67		91.7	53-209		10.0	30	
2,4-Dinitrotoluene	1.52	0.167	"	1.67		91.5	41-129		3.33	30	
2,6-Dinitrotoluene	1.52	0.167	"	1.67		91.5	42-130		4.47	30	
Di-n-octyl phthalate	1.65	0.167	"	1.67		99.1	19-162		0.344	30	
Bis(2-ethylhexyl)phthalate	1.47	0.167	"	1.67		88.1	35-137		6.76	30	
Fluoranthene	1.45	0.167	"	1.67		87.3	35-136		1.05	30	
Fluorene	1.48	0.167	"	1.67		88.7	33-134		0.427	30	
Hexachlorobenzene	1.51	0.167	"	1.67		90.8	31-139		0.841	30	
Hexachlorobutadiene	1.47	0.167	"	1.67		88.0	19-137		1.51	30	
Hexachlorocyclopentadiene	1.32	0.167	"	1.67		79.0	10-145		2.90	30	
Hexachloroethane	1.36	0.167	"	1.67		81.6	12-125		1.86	30	
Indeno(1,2,3-cd)pyrene	1.55	0.167	"	1.67		93.1	11-155		6.71	30	
Isophorone	1.26	0.167	"	1.67		75.3	30-125		2.45	30	
2-Methylnaphthalene	1.49	0.167	"	1.67		89.3	30-125		0.202	30	
2-Methylphenol	1.30	0.167	"	1.67		77.9	30-128		0.589	30	
3- & 4-Methylphenols	1.31	0.167	"	1.67		78.6	30-120		0.433	30	
Naphthalene	1.43	0.167	"	1.67		86.0	28-121		0.834	30	
3-Nitroaniline	1.40	0.167	"	1.67		83.9	10-234		2.61	30	
2-Nitroaniline	1.49	0.167	"	1.67		89.4	38-130		6.61	30	
4-Nitroaniline	1.45	0.167	"	1.67		87.2	10-208		3.45	30	
Nitrobenzene	1.21	0.167	"	1.67		72.4	28-118		1.11	30	
2-Nitrophenol	1.47	0.167	"	1.67		88.2	23-129		5.81	30	
4-Nitrophenol	1.32	0.167	"	1.67		78.9	10-185		11.2	30	
N-nitroso-di-n-propylamine	1.24	0.167	"	1.67		74.4	21-136		0.729	30	
N-Nitrosodimethylamine	1.33	0.167	"	1.67		79.9	10-131		7.43	30	
N-Nitrosodiphenylamine	1.64	0.167	"	1.67		98.4	36-163		1.57	30	
Pentachlorophenol	1.36	0.167	"	1.67		81.3	15-182		5.67	30	
Phenanthrene	1.45	0.167	"	1.67		87.0	37-132		2.11	30	
Phenol	1.22	0.167	"	1.67		73.2	28-124		0.164	30	
Pyrene	1.49	0.167	"	1.67		89.4	30-147		0.669	30	
Pyridine	0.835	0.167	"	1.67		50.1	10-113		8.32	30	
1,2,4-Trichlorobenzene	1.50	0.167	"	1.67		90.3	22-129		0.890	30	
2,4,6-Trichlorophenol	1.42	0.167	"	1.67		84.9	36-130		1.21	30	
2,4,5-Trichlorophenol	1.48	0.167	"	1.67		89.1	34-126		4.17	30	
Surrogate: 2-Fluorophenol	2.13		"	2.49		85.8	10-109				
Surrogate: Phenol-d5	1.71		"	2.51		68.2	10-124				
Surrogate: Nitrobenzene-d5	1.11		"	1.69		65.3	10-148				
Surrogate: 2-Fluorobiphenyl	1.22		"	1.67		72.9	10-111				
Surrogate: 2,4,6-Tribromophenol	1.52		"	2.61		58.0	10-142				
Surrogate: Terphenyl-d14	1.16		"	1.70		68.0	10-147				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit								RPD	

**Batch BI31086 - EPA 3010A**

**Blank (BI31086-BLK1)**

Prepared & Analyzed: 09/24/2013

Aluminum - Dissolved	ND	0.010	mg/L								
Antimony - Dissolved	ND	0.005	"								
Arsenic - Dissolved	ND	0.004	"								
Barium - Dissolved	ND	0.010	"								
Beryllium - Dissolved	ND	0.001	"								
Cadmium - Dissolved	ND	0.003	"								
Calcium - Dissolved	ND	0.050	"								
Chromium - Dissolved	ND	0.005	"								
Cobalt - Dissolved	ND	0.005	"								
Copper - Dissolved	ND	0.003	"								
Iron - Dissolved	ND	0.020	"								
Lead - Dissolved	ND	0.003	"								
Magnesium - Dissolved	ND	0.050	"								
Manganese - Dissolved	ND	0.005	"								
Nickel - Dissolved	ND	0.005	"								
Potassium - Dissolved	ND	0.050	"								
Selenium - Dissolved	ND	0.010	"								
Silver - Dissolved	ND	0.005	"								
Sodium - Dissolved	ND	0.100	"								
Thallium - Dissolved	ND	0.005	"								
Vanadium - Dissolved	ND	0.010	"								
Zinc - Dissolved	ND	0.010	"								

**Reference (BI31086-SRM1)**

Prepared & Analyzed: 09/24/2013

Aluminum - Dissolved	0.299	0.010	mg/L	0.366	81.6	74.9-126
Antimony - Dissolved	0.093	0.005	"	0.102	90.8	59.4-125
Arsenic - Dissolved	0.443	0.004	"	0.482	92.0	83.8-117
Barium - Dissolved	1.90	0.010	"	1.92	99.2	87-113
Beryllium - Dissolved	0.625	0.001	"	0.667	93.8	85-113
Cadmium - Dissolved	0.272	0.003	"	0.293	93.0	85.3-114
Chromium - Dissolved	0.264	0.005	"	0.276	95.5	86.6-113
Cobalt - Dissolved	0.555	0.005	"	0.562	98.8	87.9-112
Copper - Dissolved	0.504	0.003	"	0.522	96.5	90-110
Iron - Dissolved	1.33	0.020	"	1.39	95.9	88.4-113
Lead - Dissolved	1.42	0.003	"	1.48	95.7	87.8-111
Manganese - Dissolved	0.393	0.005	"	0.389	101	89.5-111
Nickel - Dissolved	1.27	0.005	"	1.34	94.4	90.3-112
Selenium - Dissolved	0.473	0.010	"	0.541	87.5	79.1-116
Silver - Dissolved	0.342	0.005	"	0.359	95.3	85.8-114
Thallium - Dissolved	0.575	0.005	"	0.579	99.3	81-120
Vanadium - Dissolved	0.442	0.010	"	0.484	91.3	87.6-112
Zinc - Dissolved	1.23	0.010	"	1.30	94.5	86.2-115



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI31086 - EPA 3010A**

**Reference (BI31086-SRM2)**

Prepared & Analyzed: 09/24/2013

Calcium - Dissolved	64.4	0.050	mg/L	62.7		103	86-114				
Magnesium - Dissolved	29.8	0.050	"	29.0		103	86.2-114				
Potassium - Dissolved	34.6	0.050	"	32.4		107	85.2-115				
Sodium - Dissolved	86.7	0.100	"	85.1		102	85-115				

**Batch BI31087 - EPA 3010A**

**Blank (BI31087-BLK1)**

Prepared & Analyzed: 09/24/2013

Aluminum	ND	0.010	mg/L								
Antimony	ND	0.005	"								
Arsenic	ND	0.004	"								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.050	"								
Chromium	ND	0.005	"								
Cobalt	ND	0.005	"								
Copper	ND	0.003	"								
Iron	ND	0.020	"								
Lead	ND	0.003	"								
Magnesium	ND	0.050	"								
Manganese	ND	0.005	"								
Nickel	ND	0.005	"								
Potassium	ND	0.050	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Sodium	ND	0.100	"								
Thallium	ND	0.005	"								
Vanadium	ND	0.010	"								
Zinc	ND	0.010	"								



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Limit	Flag
		Limit								RPD		

**Batch BI31087 - EPA 3010A**

**Reference (BI31087-SRM1)**

Prepared & Analyzed: 09/24/2013

Aluminum	0.281	0.010	mg/L	0.366		76.9	74.9-126					
Antimony	0.093	0.005	"	0.102		90.9	59.4-125					
Arsenic	0.450	0.004	"	0.482		93.3	83.8-117					
Barium	1.91	0.010	"	1.92		99.7	87-113					
Beryllium	0.622	0.001	"	0.667		93.3	85-113					
Cadmium	0.275	0.003	"	0.293		94.0	85.3-114					
Chromium	0.266	0.005	"	0.276		96.2	86.6-113					
Cobalt	0.558	0.005	"	0.562		99.2	87.9-112					
Copper	0.505	0.003	"	0.522		96.7	90-110					
Iron	1.35	0.020	"	1.39		97.2	88.4-113					
Lead	1.43	0.003	"	1.48		96.5	87.8-111					
Manganese	0.396	0.005	"	0.389		102	89.5-111					
Nickel	1.27	0.005	"	1.34		94.5	90.3-112					
Selenium	0.478	0.010	"	0.541		88.3	79.1-116					
Silver	0.343	0.005	"	0.359		95.7	85.8-114					
Thallium	0.576	0.005	"	0.579		99.4	81-120					
Vanadium	0.444	0.010	"	0.484		91.8	87.6-112					
Zinc	1.24	0.010	"	1.30		95.2	86.2-115					

**Reference (BI31087-SRM2)**

Prepared & Analyzed: 09/24/2013

Calcium	64.3	0.050	mg/L	62.7		103	86-114					
Magnesium	29.3	0.050	"	29.0		101	86.2-114					
Potassium	34.1	0.050	"	32.4		105	85.2-115					
Sodium	85.4	0.100	"	85.1		100	85-115					

**Batch BI31088 - EPA 3050B**

**Blank (BI31088-BLK1)**

Prepared & Analyzed: 09/24/2013

Aluminum	ND	1.00	mg/kg wet									
Antimony	ND	0.500	"									
Arsenic	ND	1.00	"									
Barium	ND	1.00	"									
Beryllium	ND	0.100	"									
Cadmium	ND	0.300	"									
Calcium	ND	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.500	"									
Copper	ND	0.500	"									
Iron	ND	2.00	"									
Lead	ND	0.300	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	0.500	"									
Potassium	ND	5.00	"									
Selenium	ND	1.00	"									
Silver	ND	0.500	"									
Sodium	ND	10.0	"									
Thallium	ND	1.00	"									
Vanadium	ND	1.00	"									
Zinc	ND	1.00	"									



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI31088 - EPA 3050B**

<b>Duplicate (BI31088-DUP1)</b>	<b>*Source sample: 1310825-02 (CP-SB-4 (10-12'))</b>					<b>Prepared &amp; Analyzed: 09/24/2013</b>					
Aluminum	5740	1.27	mg/kg dry		5750				0.0748	35	
Antimony	ND	0.633	"		ND					35	
Arsenic	2.46	1.27	"		2.62				5.98	35	
Barium	35.5	1.27	"		35.2				1.03	35	
Beryllium	ND	0.127	"		ND					35	
Cadmium	ND	0.380	"		ND					35	
Calcium	1520	6.33	"		1510				0.582	35	
Chromium	9.01	0.633	"		8.89				1.42	35	
Cobalt	5.76	0.633	"		5.77				0.155	35	
Copper	11.4	0.633	"		11.3				0.930	35	
Iron	16100	2.53	"		16100				0.420	35	
Lead	5.58	0.380	"		5.60				0.405	35	
Magnesium	2690	6.33	"		2680				0.340	35	
Manganese	328	0.633	"		328				0.192	35	
Nickel	15.6	0.633	"		15.8				0.911	35	
Potassium	728	6.33	"		725				0.367	35	
Selenium	ND	1.27	"		ND					35	
Silver	ND	0.633	"		ND					35	
Sodium	347	12.7	"		380				9.32	35	
Thallium	ND	1.27	"		ND					35	
Vanadium	10.3	1.27	"		10.2				1.38	35	
Zinc	33.4	1.27	"		33.1				0.914	35	

<b>Matrix Spike (BI31088-MS1)</b>	<b>*Source sample: 1310825-02 (CP-SB-4 (10-12'))</b>					<b>Prepared &amp; Analyzed: 09/24/2013</b>					
Aluminum	6030	1.27	mg/kg dry	253	5750	114	75-125				
Antimony	30.6	0.633	"	31.7	ND	96.5	75-125				
Arsenic	245	1.27	"	253	2.62	95.8	75-125				
Barium	293	1.27	"	253	35.2	102	75-125				
Beryllium	6.08	0.127	"	6.33	ND	96.0	75-125				
Cadmium	5.69	0.380	"	6.33	ND	89.9	75-125				
Chromium	35.1	0.633	"	25.3	8.89	104	75-125				
Cobalt	70.8	0.633	"	63.3	5.77	103	75-125				
Copper	43.6	0.633	"	31.7	11.3	102	75-125				
Iron	16200	2.53	"	127	16100	84.3	75-125				
Lead	67.2	0.380	"	63.3	5.60	97.3	75-125				
Magnesium	2690	6.33	"		2680		75-125				
Manganese	389	0.633	"	63.3	328	96.9	75-125				
Nickel	81.2	0.633	"	63.3	15.8	103	75-125				
Potassium	721	6.33	"		725		75-125				
Silver	5.36	0.633	"	6.33	ND	84.6	75-125				
Sodium	323	12.7	"		380		75-125				
Thallium	252	1.27	"	253	ND	99.5	75-125				
Vanadium	70.5	1.27	"	63.3	10.2	95.2	75-125				
Zinc	96.7	1.27	"	63.3	33.1	100	75-125				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	Limits	Limit					

**Batch BI31088 - EPA 3050B**

**Reference (BI31088-SRM1)**

Prepared & Analyzed: 09/24/2013

Aluminum	7480	1.00	mg/kg wet	9060		82.5	42.6-157					
Antimony	124	0.500	"	106		117	23.1-256					
Arsenic	172	1.00	"	182		94.3	70.9-130					
Barium	128	1.00	"	143		89.6	72.7-128					
Beryllium	89.5	0.100	"	98.3		91.1	74.6-125					
Cadmium	53.3	0.300	"	60.4		88.3	73.2-129					
Calcium	5430	5.00	"	6040		89.9	73.7-126					
Chromium	114	0.500	"	125		90.9	69.8-130					
Cobalt	160	0.500	"	163		97.9	74.2-125					
Copper	77.4	0.500	"	80.1		96.7	73.7-130					
Iron	11500	2.00	"	12900		89.1	32.3-168					
Lead	123	0.300	"	136		90.8	73.1-127					
Magnesium	2310	5.00	"	2640		87.7	64-136					
Manganese	259	0.500	"	279		92.9	74.2-126					
Nickel	133	0.500	"	128		104	73.1-130					
Potassium	2540	5.00	"	2820		90.0	62.1-138					
Selenium	82.8	1.00	"	85.9		96.4	63.9-136					
Silver	54.6	0.500	"	61.3		89.1	66.9-133					
Sodium	632	10.0	"	439		144	48.3-152					
Thallium	133	1.00	"	144		92.0	68.3-132					
Vanadium	92.8	1.00	"	104		89.2	66-134					
Zinc	182	1.00	"	204		89.3	69.6-133					



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI31209 - EPA 7473 soil</b>											
<b>Blank (BI31209-BLK1)</b>										Prepared & Analyzed: 09/26/2013	
Mercury	ND	0.000800	mg/kg wet								
<b>Reference (BI31209-SRM1)</b>										Prepared & Analyzed: 09/26/2013	
Mercury	3.56		mg/kg	3.73		95.4	68.6-131				
<b>Batch BI31238 - EPA 7473 water</b>											
<b>Blank (BI31238-BLK1)</b>										Prepared: 09/26/2013 Analyzed: 09/27/2013	
Mercury	ND	0.00005	mg/L								
<b>Reference (BI31238-SRM1)</b>										Prepared: 09/26/2013 Analyzed: 09/27/2013	
Mercury	0.00200		mg/kg	0.00230		87.0	61.3-135				
<b>Batch BI31335 - EPA 7473 water</b>											
<b>Blank (BI31335-BLK1)</b>										Prepared: 09/28/2013 Analyzed: 09/30/2013	
Mercury - Dissolved	ND	0.05000	ug/L								
<b>Duplicate (BI31335-DUP1)</b>										*Source sample: 1310825-07 (CP-MW-5) Prepared: 09/28/2013 Analyzed: 09/30/2013	
Mercury - Dissolved	ND	0.05000	ug/L		ND						20
<b>Matrix Spike (BI31335-MS1)</b>										*Source sample: 1310825-07 (CP-MW-5) Prepared: 09/28/2013 Analyzed: 09/30/2013	
Mercury - Dissolved	0.00200		mg/kg	0.00200	ND	100	75-125				
<b>Reference (BI31335-SRM1)</b>										Prepared: 09/28/2013 Analyzed: 09/30/2013	
Mercury - Dissolved	0.0027000		mg/kg	0.00230		117	61.3-135				



## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13I0825-01	CP-SB-4 (1-2')	8 oz. WM Clear Glass Cool to 4° C
13I0825-02	CP-SB-4 (10-12')	8 oz. WM Clear Glass Cool to 4° C
13I0825-03	CP-SB-4 (14-16')	8 oz. WM Clear Glass Cool to 4° C
13I0825-04	CP-SB-6 (1-2')	8 oz. WM Clear Glass Cool to 4° C
13I0825-05	CP-SB-6 (14-16')	8 oz. WM Clear Glass Cool to 4° C
13I0825-06	CP-MW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0825-07	CP-MW-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-BCCB	Analyte in CCB > MDL. Sample conc. >10 X blank conc.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
<hr/>	
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.



Non-Dir. Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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# Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

YORK Project No. BIO825

**YOUR Information**

Company: CHARZEN  
Address: \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Contact Person: Eric Orowski  
E-Mail Address: \_\_\_\_\_

**Report To:**

Company: CHARZEN  
Address: \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Attention: ACCS PAYABLE  
E-Mail Address: \_\_\_\_\_

**Invoice To:**

Company: CHARZEN  
Address: \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Attention: ACCS PAYABLE  
E-Mail Address: \_\_\_\_\_

**YOUR Project ID**

91337.00  
530 West 28th St.  
**Purchase Order No.**  
P15126

**Turn-Around Time**

RUSH - Same Day   
RUSH - Next Day   
RUSH - Two Day   
RUSH - Three Day   
RUSH - Four Day

**Report Type/Deliverables**

Summary Report   
Summary w/ QA Summary   
CT RCP Package   
NY ASP A Package   
NY ASP B Package   
Electronic Deliverables: \_\_\_\_\_  
EDD (Specify Type) \_\_\_\_\_  
Excel

**Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until all questions by York are resolved.**

Samples Collected/Authorized By (Signature)  
[Signature]  
Name (printed)  
Eric Orowski

Samples from: CT  NY  NJ

Volatiles	Semi-Vols, Pests/Chlorinated	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters	Special Instructions
8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list	8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list Site Spec. SPL Per TCLP	RCRA8 BP13 list TAL CT15 list TAGM list NIJEP list Total Dissolved SPL Per TCLP Infr. Metals LIST Below	TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium	Pri. Poll. TCL Organics TAL MeOCN Full TCLP Full App. IX Part 360-Residue Part 360-Residue Part 360-Residue Part 360-Residue NYCDEP Sewer NYSDDEC Sewer TAGM Silica MBAS	Color Phenols Cyanide-T Cyanide-A BOD5 CBOD5 BOD28 COD TSS Oil & Grease FOG pH TDS TPH-1664	Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>

**Choose Analyses Needed from the Menu Above and Enter Below**

Sample Identification	Date Sampled	Sample Matrix	Container Description(s)
CP-SB-4 (1-2')	9/18/13 1600	S	4 x VOA 1x802
CP-SB-4 (10-12')	1640	↓	
CP-SB-4 (14-16')	1700	↓	
CP-SB-6 (1-2')	9/17/13 1405	↓	
CP-SB-6 (14-16')	9/17/13 1505	↓	
CP-MW-3	9/19/13 945	GW	
CP-MW-5	9/19/13 1005	GW	

Comments	4°C	Frozen	HCl	MeOH	HNO <sub>3</sub>	H <sub>2</sub> O <sub>2</sub>	NaOH	Temperature on Receipt
				Ascorbic Acid	Other			3.3 °C
				9-23-13				
				Date/Time	Date/Time			
				9-23-13	12:25			
				Date/Time	Date/Time			
				9/23/13 1517				
				Date/Time	Date/Time			



# Technical Report

prepared for:

**Chazen Environmental Services (Poughkeepsie)**

21 Fox Street

Poughkeepsie NY, 12601

**Attention: Eric Orlowski**

Report Date: 09/24/2013

**Client Project ID: 91337.00 530 West 28th St**

York Project (SDG) No.: 1310630

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/24/2013  
Client Project ID: 91337.00 530 West 28th St  
York Project (SDG) No.: 13I0630

**Chazen Environmental Services (Poughkeepsie)**  
21 Fox Street  
Poughkeepsie NY, 12601  
Attention: Eric Orlowski

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 17, 2013 and listed below. The project was identified as your project: **91337.00 530 West 28th St.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13I0630-01	CP-SB-7 (0.8-2.8')	Soil	09/16/2013	09/17/2013
13I0630-02	CP-SB-7 (8-10')	Soil	09/16/2013	09/17/2013
13I0630-03	CP-SB-7 (14-16')	Soil	09/16/2013	09/17/2013
13I0630-04	CP-SB-8 (2-4')	Soil	09/16/2013	09/17/2013
13I0630-05	CP-SB-8 (10-12')	Soil	09/16/2013	09/17/2013
13I0630-06	CP-SB-8 (14-16')	Soil	09/16/2013	09/17/2013

## **General Notes for York Project (SDG) No.: 13I0630**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 09/24/2013

**YORK**



## Sample Information

**Client Sample ID:** CP-SB-7 (0.8-2.8')

**York Sample ID:** 1310630-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 9:20 am

09/17/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
67-64-1	Acetone	0.037	B	mg/kg dry	0.0025	0.010	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS



## Sample Information

**Client Sample ID:** CP-SB-7 (0.8-2.8')

**York Sample ID:** 1310630-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 9:20 am

09/17/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0025	0.010	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.0025	0.010	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS



### Sample Information

**Client Sample ID:** CP-SB-7 (0.8-2.8')

**York Sample ID:** 1310630-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 9:20 am

09/17/2013

#### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/20/2013 09:30	09/20/2013 16:21	SS
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %		72-137							
460-00-4	Surrogate: p-Bromofluorobenzene	102 %		72-138							
2037-26-5	Surrogate: Toluene-d8	96.4 %		85-118							

#### Semi-Volatiles, 8270 Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
62-53-3	Aniline	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
120-12-7	Anthracene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
56-55-3	Benzo(a)anthracene	<b>0.540</b>	J	mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
50-32-8	Benzo(a)pyrene	<b>0.611</b>	J	mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
205-99-2	Benzo(b)fluoranthene	<b>0.476</b>	J	mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
207-08-9	Benzo(k)fluoranthene	<b>0.510</b>	J	mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
218-01-9	Chrysene	<b>0.731</b>	J	mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR



## Sample Information

**Client Sample ID:** CP-SB-7 (0.8-2.8')

**York Sample ID:** 1310630-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 9:20 am

09/17/2013

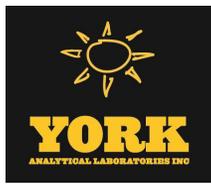
**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	1.88	3.75	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	1.88	3.75	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
206-44-0	Fluoranthene	<b>1.19</b>	J	mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
86-73-7	Fluorene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
78-59-1	Isophorone	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR



### Sample Information

**Client Sample ID:** CP-SB-7 (0.8-2.8')

**York Sample ID:** 1310630-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 9:20 am

09/17/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.945	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
85-01-8	Phenanthrene	<b>0.810</b>	J	mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
108-95-2	Phenol	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
129-00-0	Pyrene	<b>1.15</b>	J	mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
110-86-1	Pyridine	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.473	1.88	10	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:14	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: 2-Fluorophenol	60.2 %			10-109						
4165-62-2	Surrogate: Phenol-d5	64.1 %			10-124						
4165-60-0	Surrogate: Nitrobenzene-d5	62.0 %			10-148						
321-60-8	Surrogate: 2-Fluorobiphenyl	67.4 %			10-111						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	65.7 %			10-142						
1718-51-0	Surrogate: Terphenyl-d14	62.4 %			10-147						

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	<b>6740</b>		mg/kg dry	1.13	1.13	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-36-0	Antimony	<b>539</b>		mg/kg dry	0.563	0.563	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-38-2	Arsenic	<b>384</b>		mg/kg dry	1.13	1.13	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-39-3	Barium	<b>112</b>		mg/kg dry	1.13	1.13	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.113	0.113	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-43-9	Cadmium	<b>0.484</b>		mg/kg dry	0.338	0.338	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-70-2	Calcium	<b>23900</b>		mg/kg dry	0.563	5.63	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-47-3	Chromium	<b>14.7</b>		mg/kg dry	0.563	0.563	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-48-4	Cobalt	<b>29.6</b>		mg/kg dry	0.563	0.563	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-50-8	Copper	<b>440</b>		mg/kg dry	0.563	0.563	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7439-89-6	Iron	<b>20800</b>		mg/kg dry	2.25	2.25	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7439-92-1	Lead	<b>752</b>		mg/kg dry	0.338	0.338	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7439-95-4	Magnesium	<b>6080</b>		mg/kg dry	5.63	5.63	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7439-96-5	Manganese	<b>241</b>		mg/kg dry	0.563	0.563	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW



### Sample Information

Client Sample ID: CP-SB-7 (0.8-2.8')

York Sample ID: 1310630-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 9:20 am

09/17/2013

#### Metals, Target Analyte

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	24.8		mg/kg dry	0.563	0.563	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-09-7	Potassium	1610		mg/kg dry	5.63	5.63	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7782-49-2	Selenium	1.97		mg/kg dry	1.13	1.13	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-22-4	Silver	ND		mg/kg dry	0.563	0.563	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-23-5	Sodium	1100		mg/kg dry	11.3	11.3	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-28-0	Thallium	ND		mg/kg dry	1.13	1.13	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-62-2	Vanadium	20.3		mg/kg dry	1.13	1.13	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW
7440-66-6	Zinc	396		mg/kg dry	1.13	1.13	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:32	MW

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.17		mg/kg dry	0.000900	0.000900	1	EPA SW846-7473	09/22/2013 14:00	09/22/2013 17:38	AAkba

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	88.9		%	0.100	0.100	1	SM 2540G	09/21/2013 09:24	09/21/2013 11:18	BGS

#### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.563	0.563	1	EPA 9014/9010C	09/20/2013 08:24	09/20/2013 15:49	BGS

### Sample Information

Client Sample ID: CP-SB-7 (8-10')

York Sample ID: 1310630-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 9:40 am

09/17/2013

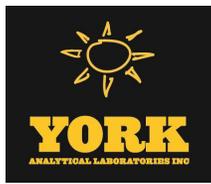
#### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS



## Sample Information

**Client Sample ID:** CP-SB-7 (8-10')

**York Sample ID:** 1310630-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 9:40 am

09/17/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.087	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
67-64-1	Acetone	<b>0.027</b>	B	mg/kg dry	0.0022	0.0087	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS



## Sample Information

**Client Sample ID:** CP-SB-7 (8-10')

**York Sample ID:** 1310630-02

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91337.00 530 West 28th St

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09/17/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0022	0.0087	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.0022	0.0087	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0087	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 00:42	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	72-137								
460-00-4	Surrogate: p-Bromofluorobenzene	98.4 %	72-138								



## Sample Information

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09/17/2013

**Volatile Organics, 8260 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	94.7 %			85-118						

**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
62-53-3	Aniline	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
56-55-3	Benzo(a)anthracene	<b>0.137</b>	J	mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
50-32-8	Benzo(a)pyrene	<b>0.134</b>	J	mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
205-99-2	Benzo(b)fluoranthene	<b>0.0988</b>	J	mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
207-08-9	Benzo(k)fluoranthene	<b>0.115</b>	J	mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
218-01-9	Chrysene	<b>0.168</b>	J	mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.206	0.411	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR



## Sample Information

**Client Sample ID:** CP-SB-7 (8-10')

**York Sample ID:** 1310630-02

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91337.00 530 West 28th St

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09/17/2013

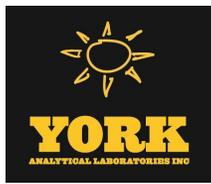
**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.206	0.412	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
206-44-0	Fluoranthene	<b>0.344</b>		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
193-39-5	Indeno(1,2,3-cd)pyrene	<b>0.0704</b>	J	mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
85-01-8	Phenanthrene	<b>0.302</b>		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR



## Sample Information

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91337.00 530 West 28th St

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09/17/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
129-00-0	Pyrene	<b>0.373</b>		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
110-86-1	Pyridine	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0519	0.206	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 13:45	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: 2-Fluorophenol	59.3 %			10-109						
4165-62-2	Surrogate: Phenol-d5	69.8 %			10-124						
4165-60-0	Surrogate: Nitrobenzene-d5	64.9 %			10-148						
321-60-8	Surrogate: 2-Fluorobiphenyl	73.7 %			10-111						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	86.8 %			10-142						
1718-51-0	Surrogate: Terphenyl-d14	86.7 %			10-147						

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	<b>7500</b>		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-36-0	Antimony	<b>0.877</b>		mg/kg dry	0.618	0.618	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-38-2	Arsenic	<b>2.60</b>		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-39-3	Barium	<b>43.2</b>		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.124	0.124	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.371	0.371	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-70-2	Calcium	<b>1190</b>		mg/kg dry	0.618	6.18	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-47-3	Chromium	<b>11.5</b>		mg/kg dry	0.618	0.618	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-48-4	Cobalt	<b>5.76</b>		mg/kg dry	0.618	0.618	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-50-8	Copper	<b>12.9</b>		mg/kg dry	0.618	0.618	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7439-89-6	Iron	<b>14800</b>		mg/kg dry	2.47	2.47	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7439-92-1	Lead	<b>6.08</b>		mg/kg dry	0.371	0.371	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7439-95-4	Magnesium	<b>2600</b>		mg/kg dry	6.18	6.18	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7439-96-5	Manganese	<b>146</b>		mg/kg dry	0.618	0.618	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-02-0	Nickel	<b>13.8</b>		mg/kg dry	0.618	0.618	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-09-7	Potassium	<b>1070</b>		mg/kg dry	6.18	6.18	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7782-49-2	Selenium	ND		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-22-4	Silver	ND		mg/kg dry	0.618	0.618	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-23-5	Sodium	<b>195</b>		mg/kg dry	12.4	12.4	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW



### Sample Information

**Client Sample ID:** CP-SB-7 (8-10')

**York Sample ID:** 1310630-02

<u>York Project (SDG) No.</u> 1310630	<u>Client Project ID</u> 91337.00 530 West 28th St	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 16, 2013 9:40 am	<u>Date Received</u> 09/17/2013
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**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-28-0	Thallium	ND		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-62-2	Vanadium	15.0		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW
7440-66-6	Zinc	30.4		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:39	MW

**Mercury by 7473**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0346		mg/kg dry	0.000988	0.000988	1	EPA SW846-7473	09/22/2013 14:00	09/22/2013 18:05	AAkba

**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	81.0		%	0.100	0.100	1	SM 2540G	09/21/2013 09:24	09/21/2013 11:18	BGS

**Cyanide, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.618	0.618	1	EPA 9014/9010C	09/20/2013 08:24	09/20/2013 15:49	BGS

### Sample Information

**Client Sample ID:** CP-SB-7 (14-16')

**York Sample ID:** 1310630-03

<u>York Project (SDG) No.</u> 1310630	<u>Client Project ID</u> 91337.00 530 West 28th St	<u>Matrix</u> Soil	<u>Collection Date/Time</u> September 16, 2013 10:15 am	<u>Date Received</u> 09/17/2013
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**Volatile Organics, 8260 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS



## Sample Information

**Client Sample ID:** CP-SB-7 (14-16')

**York Sample ID:** 1310630-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 10:15 am

09/17/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.088	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
67-64-1	Acetone	<b>0.0068</b>	J, B	mg/kg dry	0.0022	0.0088	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS



## Sample Information

**Client Sample ID:** CP-SB-7 (14-16')

**York Sample ID:** 1310630-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 10:15 am

09/17/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0022	0.0088	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.0022	0.0088	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0088	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 01:21	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113 %	72-137								
460-00-4	Surrogate: p-Bromofluorobenzene	97.3 %	72-138								
2037-26-5	Surrogate: Toluene-d8	95.0 %	85-118								



## Sample Information

**Client Sample ID:** CP-SB-7 (14-16')

**York Sample ID:** 1310630-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 10:15 am

09/17/2013

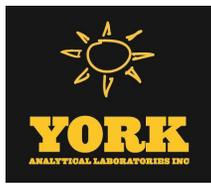
**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
62-53-3	Aniline	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.206	0.410	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR



## Sample Information

**Client Sample ID:** CP-SB-7 (14-16')

**York Sample ID:** 1310630-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 10:15 am

09/17/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.206	0.411	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.103	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
108-95-2	Phenol	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
110-86-1	Pyridine	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR



## Sample Information

**Client Sample ID:** CP-SB-7 (14-16')

**York Sample ID:** 1310630-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 10:15 am

09/17/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0517	0.205	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:16	SR
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
367-12-4	Surrogate: 2-Fluorophenol	65.3 %			10-109						
4165-62-2	Surrogate: Phenol-d5	78.2 %			10-124						
4165-60-0	Surrogate: Nitrobenzene-d5	71.9 %			10-148						
321-60-8	Surrogate: 2-Fluorobiphenyl	81.3 %			10-111						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	90.5 %			10-142						
1718-51-0	Surrogate: Terphenyl-d14	105 %			10-147						

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6020		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-36-0	Antimony	ND		mg/kg dry	0.616	0.616	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-38-2	Arsenic	1.85		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-39-3	Barium	21.0		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.123	0.123	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.369	0.369	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-70-2	Calcium	797		mg/kg dry	0.616	6.16	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-47-3	Chromium	8.14		mg/kg dry	0.616	0.616	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-48-4	Cobalt	5.09		mg/kg dry	0.616	0.616	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-50-8	Copper	9.62		mg/kg dry	0.616	0.616	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7439-89-6	Iron	12700		mg/kg dry	2.46	2.46	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7439-92-1	Lead	4.29		mg/kg dry	0.369	0.369	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7439-95-4	Magnesium	2450		mg/kg dry	6.16	6.16	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7439-96-5	Manganese	131		mg/kg dry	0.616	0.616	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-02-0	Nickel	14.0		mg/kg dry	0.616	0.616	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-09-7	Potassium	662		mg/kg dry	6.16	6.16	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7782-49-2	Selenium	ND		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-22-4	Silver	ND		mg/kg dry	0.616	0.616	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-23-5	Sodium	159		mg/kg dry	12.3	12.3	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-28-0	Thallium	ND		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-62-2	Vanadium	11.1		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW
7440-66-6	Zinc	24.3		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 22:43	MW



### Sample Information

**Client Sample ID:** CP-SB-7 (14-16')

**York Sample ID:** 1310630-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 10:15 am

09/17/2013

#### Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.00899		mg/kg dry	0.000985	0.000985	1	EPA SW846-7473	09/22/2013 14:00	09/22/2013 18:14	AAkba

#### Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	81.2		%	0.100	0.100	1	SM 2540G	09/21/2013 09:24	09/21/2013 11:18	BGS

#### Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.616	0.616	1	EPA 9014/9010C	09/20/2013 08:24	09/20/2013 15:49	BGS

### Sample Information

**Client Sample ID:** CP-SB-8 (2-4')

**York Sample ID:** 1310630-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 3:05 pm

09/17/2013

#### Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS



## Sample Information

**Client Sample ID:** CP-SB-8 (2-4')

**York Sample ID:** 1310630-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 3:05 pm

09/17/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
78-93-3	2-Butanone	<b>0.012</b>		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
67-64-1	Acetone	<b>0.064</b>	B	mg/kg dry	0.0026	0.010	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:01	SS





## Sample Information

**Client Sample ID:** CP-SB-8 (2-4')

**York Sample ID:** 1310630-04

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Matrix

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1310630

91337.00 530 West 28th St

Soil

September 16, 2013 3:05 pm

09/17/2013

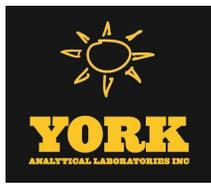
**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
218-01-9	Chrysene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	18.4	36.7	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	18.4	36.7	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR



## Sample Information

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91337.00 530 West 28th St

Soil

September 16, 2013 3:05 pm

09/17/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
86-73-7	Fluorene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
78-59-1	Isophorone	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
91-20-3	Naphthalene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	9.26	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
85-01-8	Phenanthrene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
108-95-2	Phenol	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
129-00-0	Pyrene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
110-86-1	Pyridine	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	4.63	18.4	20	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 14:48	SR

**Surrogate Recoveries**

**Result**

**Acceptance Range**

367-12-4	Surrogate: 2-Fluorophenol	91.2 %		10-109
4165-62-2	Surrogate: Phenol-d5	137 %	S-06	10-124
4165-60-0	Surrogate: Nitrobenzene-d5	134 %		10-148



## Sample Information

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91337.00 530 West 28th St

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09/17/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	164 %	S-06		10-111						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	128 %			10-142						
1718-51-0	Surrogate: Terphenyl-d14	137 %			10-147						

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5290		mg/kg dry	1.10	1.10	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-36-0	Antimony	1.27		mg/kg dry	0.551	0.551	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-38-2	Arsenic	2.24		mg/kg dry	1.10	1.10	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-39-3	Barium	115		mg/kg dry	1.10	1.10	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-43-9	Cadmium	0.766		mg/kg dry	0.331	0.331	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-70-2	Calcium	32200		mg/kg dry	0.551	5.51	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-47-3	Chromium	65.8		mg/kg dry	0.551	0.551	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-48-4	Cobalt	10.4		mg/kg dry	0.551	0.551	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-50-8	Copper	224		mg/kg dry	0.551	0.551	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7439-89-6	Iron	62600		mg/kg dry	2.20	2.20	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7439-92-1	Lead	807		mg/kg dry	0.331	0.331	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7439-95-4	Magnesium	3370		mg/kg dry	5.51	5.51	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7439-96-5	Manganese	532		mg/kg dry	0.551	0.551	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-02-0	Nickel	42.5		mg/kg dry	0.551	0.551	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-09-7	Potassium	1500		mg/kg dry	5.51	5.51	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7782-49-2	Selenium	2.97		mg/kg dry	1.10	1.10	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-22-4	Silver	ND		mg/kg dry	0.551	0.551	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-23-5	Sodium	732		mg/kg dry	11.0	11.0	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-62-2	Vanadium	22.9		mg/kg dry	1.10	1.10	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW
7440-66-6	Zinc	1900		mg/kg dry	1.10	1.10	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:13	MW



### Sample Information

**Client Sample ID:** CP-SB-8 (2-4')

**York Sample ID:** 1310630-04

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91337.00 530 West 28th St

Soil

September 16, 2013 3:05 pm

09/17/2013

**Mercury by 7473**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.586		mg/kg dry	0.000882	0.000882	1	EPA SW846-7473	09/22/2013 14:00	09/22/2013 18:23	AAkba

**Total Solids**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	90.7		%	0.100	0.100	1	SM 2540G	09/21/2013 09:24	09/21/2013 11:18	BGS

**Cyanide, Total**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.551	0.551	1	EPA 9014/9010C	09/20/2013 08:24	09/20/2013 15:49	BGS

### Sample Information

**Client Sample ID:** CP-SB-8 (10-12')

**York Sample ID:** 1310630-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 6:50 pm

09/17/2013

**Volatile Organics, 8260 List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
95-63-6	1,2,4-Trimethylbenzene	0.38	J	mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS



## Sample Information

**Client Sample ID:** CP-SB-8 (10-12')

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September 16, 2013 6:50 pm

09/17/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	3.9	7.8	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
67-64-1	Acetone	<b>0.40</b>	J, B	mg/kg dry	0.19	0.78	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
71-43-2	Benzene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
75-25-2	Bromoform	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
67-66-3	Chloroform	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
98-82-8	Isopropylbenzene	<b>0.34</b>	J	mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS



### Sample Information

**Client Sample ID:** CP-SB-8 (10-12')

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91337.00 530 West 28th St

Soil

September 16, 2013 6:50 pm

09/17/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.19	0.78	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
91-20-3	Naphthalene	<b>13</b>		mg/kg dry	0.19	0.78	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
104-51-8	n-Butylbenzene	<b>0.91</b>		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
103-65-1	n-Propylbenzene	<b>0.74</b>		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.39	0.78	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
135-98-8	sec-Butylbenzene	<b>0.44</b>		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
100-42-5	Styrene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
108-88-3	Toluene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.58	1.2	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.19	0.39	100	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 02:41	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>									
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.0 %									
460-00-4	Surrogate: p-Bromofluorobenzene	84.1 %									
2037-26-5	Surrogate: Toluene-d8	94.3 %									
								<b>Acceptance Range</b>			
								72-137			
								72-138			
								85-118			

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
62-53-3	Aniline	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR



### Sample Information

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**York Sample ID:** 1310630-05

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91337.00 530 West 28th St

Soil

September 16, 2013 6:50 pm

09/17/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.210	0.419	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.210	0.419	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR



## Sample Information

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1310630

91337.00 530 West 28th St

Soil

September 16, 2013 6:50 pm

09/17/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
91-57-6	2-Methylnaphthalene	<b>0.337</b>		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
91-20-3	Naphthalene	<b>0.0679</b>	J	mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.106	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
85-01-8	Phenanthrene	<b>0.0549</b>	J	mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
108-95-2	Phenol	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
110-86-1	Pyridine	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0528	0.209	1	EPA SW-846 8270C	09/20/2013 16:00	09/24/2013 11:46	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: 2-Fluorophenol	63.3 %		10-109							
4165-62-2	Surrogate: Phenol-d5	58.1 %		10-124							
4165-60-0	Surrogate: Nitrobenzene-d5	55.7 %		10-148							



### Sample Information

**Client Sample ID:** CP-SB-8 (10-12')

**York Sample ID:** 1310630-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 6:50 pm

09/17/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	60.5 %			10-111						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	48.3 %			10-142						
1718-51-0	Surrogate: Terphenyl-d14	59.9 %			10-147						

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8330		mg/kg dry	1.26	1.26	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-36-0	Antimony	ND		mg/kg dry	0.628	0.628	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-38-2	Arsenic	2.65		mg/kg dry	1.26	1.26	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-39-3	Barium	36.4		mg/kg dry	1.26	1.26	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.126	0.126	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.377	0.377	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-70-2	Calcium	1230		mg/kg dry	0.628	6.28	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-47-3	Chromium	12.1		mg/kg dry	0.628	0.628	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-48-4	Cobalt	6.96		mg/kg dry	0.628	0.628	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-50-8	Copper	12.7		mg/kg dry	0.628	0.628	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7439-89-6	Iron	14700		mg/kg dry	2.51	2.51	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7439-92-1	Lead	9.61		mg/kg dry	0.377	0.377	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7439-95-4	Magnesium	3040		mg/kg dry	6.28	6.28	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7439-96-5	Manganese	265		mg/kg dry	0.628	0.628	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-02-0	Nickel	15.0		mg/kg dry	0.628	0.628	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-09-7	Potassium	1260		mg/kg dry	6.28	6.28	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7782-49-2	Selenium	1.48		mg/kg dry	1.26	1.26	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-22-4	Silver	ND		mg/kg dry	0.628	0.628	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-23-5	Sodium	220		mg/kg dry	12.6	12.6	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-28-0	Thallium	ND		mg/kg dry	1.26	1.26	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-62-2	Vanadium	16.1		mg/kg dry	1.26	1.26	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW
7440-66-6	Zinc	33.9		mg/kg dry	1.26	1.26	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:20	MW



### Sample Information

**Client Sample ID:** CP-SB-8 (10-12')

**York Sample ID:** 1310630-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 6:50 pm

09/17/2013

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.00917		mg/kg dry	0.00101	0.00101	1	EPA SW846-7473	09/22/2013 14:00	09/22/2013 18:39	AAkba

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	79.6		%	0.100	0.100	1	SM 2540G	09/23/2013 08:40	09/23/2013 08:40	BGS

#### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.628	0.628	1	EPA 9014/9010C	09/20/2013 08:24	09/20/2013 15:49	BGS

### Sample Information

**Client Sample ID:** CP-SB-8 (14-16')

**York Sample ID:** 1310630-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 7:20 pm

09/17/2013

#### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS



## Sample Information

**Client Sample ID:** CP-SB-8 (14-16')

**York Sample ID:** 1310630-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 7:20 pm

09/17/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.085	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
67-64-1	Acetone	<b>0.046</b>	B	mg/kg dry	0.0021	0.0085	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA SW846-8260B	09/19/2013 13:07	09/20/2013 03:21	SS





## Sample Information

**Client Sample ID:** CP-SB-8 (14-16')

**York Sample ID:** 1310630-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 7:20 pm

09/17/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.209	0.416	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.209	0.416	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR



## Sample Information

**Client Sample ID:** CP-SB-8 (14-16')

**York Sample ID:** 1310630-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 7:20 pm

09/17/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.105	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
108-95-2	Phenol	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
110-86-1	Pyridine	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0525	0.208	1	EPA SW-846 8270C	09/20/2013 16:00	09/23/2013 15:51	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
367-12-4	Surrogate: 2-Fluorophenol	65.8 %		10-109							
4165-62-2	Surrogate: Phenol-d5	70.4 %		10-124							
4165-60-0	Surrogate: Nitrobenzene-d5	63.1 %		10-148							



### Sample Information

**Client Sample ID:** CP-SB-8 (14-16')

**York Sample ID:** 1310630-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310630

91337.00 530 West 28th St

Soil

September 16, 2013 7:20 pm

09/17/2013

#### Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	79.9 %			10-111						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	75.1 %			10-142						
1718-51-0	Surrogate: Terphenyl-d14	119 %			10-147						

#### Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5940		mg/kg dry	1.25	1.25	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-36-0	Antimony	ND		mg/kg dry	0.625	0.625	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-38-2	Arsenic	1.31		mg/kg dry	1.25	1.25	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-39-3	Barium	26.2		mg/kg dry	1.25	1.25	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.125	0.125	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.375	0.375	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-70-2	Calcium	914		mg/kg dry	0.625	6.25	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-47-3	Chromium	11.3		mg/kg dry	0.625	0.625	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-48-4	Cobalt	5.85		mg/kg dry	0.625	0.625	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-50-8	Copper	11.5		mg/kg dry	0.625	0.625	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7439-89-6	Iron	10300		mg/kg dry	2.50	2.50	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7439-92-1	Lead	7.54		mg/kg dry	0.375	0.375	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7439-95-4	Magnesium	2340		mg/kg dry	6.25	6.25	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7439-96-5	Manganese	171		mg/kg dry	0.625	0.625	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-02-0	Nickel	13.2		mg/kg dry	0.625	0.625	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-09-7	Potassium	1150		mg/kg dry	6.25	6.25	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7782-49-2	Selenium	ND		mg/kg dry	1.25	1.25	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-22-4	Silver	ND		mg/kg dry	0.625	0.625	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-23-5	Sodium	164		mg/kg dry	12.5	12.5	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-28-0	Thallium	ND		mg/kg dry	1.25	1.25	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-62-2	Vanadium	12.9		mg/kg dry	1.25	1.25	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW
7440-66-6	Zinc	22.3		mg/kg dry	1.25	1.25	1	EPA SW846-6010B	09/18/2013 14:14	09/18/2013 23:25	MW



**Sample Information**

**Client Sample ID:** CP-SB-8 (14-16')

**York Sample ID:** 13I0630-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13I0630

91337.00 530 West 28th St

Soil

September 16, 2013 7:20 pm

09/17/2013

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.00999		mg/kg dry	0.000999	0.000999	1	EPA SW846-7473	09/22/2013 14:00	09/22/2013 18:48	AAkba

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	80.1		%	0.100	0.100	1	SM 2540G	09/23/2013 08:40	09/23/2013 08:40	BGS

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.625	0.625	1	EPA 9014/9010C	09/20/2013 08:24	09/20/2013 15:49	BGS



## Analytical Batch Summary

**Batch ID:** BI30811

**Preparation Method:** EPA 3050B

**Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0630-01	CP-SB-7 (0.8-2.8')	09/18/13
13I0630-02	CP-SB-7 (8-10')	09/18/13
13I0630-03	CP-SB-7 (14-16')	09/18/13
13I0630-04	CP-SB-8 (2-4')	09/18/13
13I0630-05	CP-SB-8 (10-12')	09/18/13
13I0630-06	CP-SB-8 (14-16')	09/18/13
BI30811-BLK1	Blank	09/18/13
BI30811-DUP1	Duplicate	09/18/13
BI30811-MS1	Matrix Spike	09/18/13
BI30811-SRM1	Reference	09/18/13

**Batch ID:** BI30898

**Preparation Method:** EPA 5035A

**Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0630-02	CP-SB-7 (8-10')	09/19/13
13I0630-03	CP-SB-7 (14-16')	09/19/13
13I0630-04	CP-SB-8 (2-4')	09/19/13
13I0630-05	CP-SB-8 (10-12')	09/19/13
13I0630-06	CP-SB-8 (14-16')	09/19/13
BI30898-BLK1	Blank	09/19/13
BI30898-BS1	LCS	09/19/13
BI30898-BSD1	LCS Dup	09/19/13

**Batch ID:** BI30921

**Preparation Method:** EPA 5035A

**Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0630-01	CP-SB-7 (0.8-2.8')	09/20/13
BI30921-BLK1	Blank	09/20/13
BI30921-BS1	LCS	09/20/13
BI30921-BSD1	LCS Dup	09/20/13

**Batch ID:** BI30926

**Preparation Method:** Analysis Preparation Soil

**Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0630-01	CP-SB-7 (0.8-2.8')	09/20/13
13I0630-02	CP-SB-7 (8-10')	09/20/13
13I0630-03	CP-SB-7 (14-16')	09/20/13
13I0630-04	CP-SB-8 (2-4')	09/20/13
13I0630-05	CP-SB-8 (10-12')	09/20/13
13I0630-06	CP-SB-8 (14-16')	09/20/13
BI30926-BLK1	Blank	09/20/13
BI30926-SRM1	Reference	09/20/13



**Batch ID:** BI30953

**Preparation Method:** EPA 3550B

**Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
13I0630-01	CP-SB-7 (0.8-2.8')	09/20/13
13I0630-02	CP-SB-7 (8-10')	09/20/13
13I0630-03	CP-SB-7 (14-16')	09/20/13
13I0630-04	CP-SB-8 (2-4')	09/20/13
13I0630-05	CP-SB-8 (10-12')	09/20/13
13I0630-06	CP-SB-8 (14-16')	09/20/13
BI30953-BLK1	Blank	09/20/13
BI30953-BS1	LCS	09/20/13
BI30953-BSD1	LCS Dup	09/20/13
BI30953-MS1	Matrix Spike	09/20/13

**Batch ID:** BI30969

**Preparation Method:** % Solids Prep

**Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
13I0630-01	CP-SB-7 (0.8-2.8')	09/21/13
13I0630-02	CP-SB-7 (8-10')	09/21/13
13I0630-03	CP-SB-7 (14-16')	09/21/13
13I0630-04	CP-SB-8 (2-4')	09/21/13

**Batch ID:** BI30971

**Preparation Method:** EPA 7473 soil

**Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
13I0630-01	CP-SB-7 (0.8-2.8')	09/22/13
13I0630-02	CP-SB-7 (8-10')	09/22/13
13I0630-03	CP-SB-7 (14-16')	09/22/13
13I0630-04	CP-SB-8 (2-4')	09/22/13
13I0630-05	CP-SB-8 (10-12')	09/22/13
13I0630-06	CP-SB-8 (14-16')	09/22/13
BI30971-BLK1	Blank	09/22/13
BI30971-SRM1	Reference	09/22/13

**Batch ID:** BI30985

**Preparation Method:** % Solids Prep

**Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0630-05	CP-SB-8 (10-12')	09/23/13
13I0630-06	CP-SB-8 (14-16')	09/23/13



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30898 - EPA 5035A

Blank (BI30898-BLK1)

Prepared & Analyzed: 09/19/2013

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
Acetone	0.0066	0.010	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					Limit	

**Batch BI30898 - EPA 5035A**

**Blank (BI30898-BLK1)**

Prepared & Analyzed: 09/19/2013

o-Xylene	ND	0.0050	mg/kg wet								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Vinyl acetate	ND	0.0050	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	52.6		ug/L	50.0		105		72-137			
<i>Surrogate: p-Bromofluorobenzene</i>	46.8		"	50.0		93.5		72-138			
<i>Surrogate: Toluene-d8</i>	48.7		"	50.0		97.3		85-118			

**LCS (BI30898-BS1)**

Prepared & Analyzed: 09/19/2013

1,1,1,2-Tetrachloroethane	49		ug/L	50.0		98.6		91-113			
1,1,1-Trichloroethane	51		"	50.0		103		76-135			
1,1,2,2-Tetrachloroethane	48		"	50.0		96.7		82-119			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52		"	50.0		103		68-144			
1,1,2-Trichloroethane	48		"	50.0		96.6		82-114			
1,1-Dichloroethane	59		"	50.0		119		80-119			
1,1-Dichloroethylene	47		"	50.0		93.1		58-139			
1,1-Dichloropropylene	50		"	50.0		100		75-117			
1,2,3-Trichlorobenzene	58		"	50.0		117		72-133			
1,2,3-Trichloropropane	50		"	50.0		99.7		82-117			
1,2,4-Trichlorobenzene	53		"	50.0		107		69-135			
1,2,4-Trimethylbenzene	43		"	50.0		85.3		82-116			
1,2-Dibromo-3-chloropropane	53		"	50.0		105		72-131			
1,2-Dibromoethane	54		"	50.0		107		86-114			
1,2-Dichlorobenzene	47		"	50.0		94.2		85-114			
1,2-Dichloroethane	57		"	50.0		114		72-136			
1,2-Dichloropropane	50		"	50.0		100		79-119			
1,3,5-Trimethylbenzene	43		"	50.0		86.6		86-114			
1,3-Dichlorobenzene	46		"	50.0		91.3		84-114			
1,3-Dichloropropane	51		"	50.0		102		82-117			
1,4-Dichlorobenzene	46		"	50.0		91.4		82-116			
1,4-Dioxane	1100		"	1000		107		10-208			
2,2-Dichloropropane	47		"	50.0		94.3		44-148			
2-Butanone	57		"	50.0		113		60-129			
2-Chlorotoluene	41		"	50.0		82.9		82-114			
4-Chlorotoluene	42		"	50.0		84.0		82-117			
Acetone	42		"	50.0		83.5		26-119			
Benzene	52		"	50.0		105		81-117			
Bromobenzene	45		"	50.0		90.1		85-114			
Bromochloromethane	51		"	50.0		102		79-118			
Bromodichloromethane	52		"	50.0		103		88-123			
Bromoform	50		"	50.0		100		85-122			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30898 - EPA 5035A

LCS (BI30898-BS1)

Prepared & Analyzed: 09/19/2013

Bromomethane	39		ug/L	50.0		78.8	43-137				
Carbon tetrachloride	54		"	50.0		108	79-135				
Chlorobenzene	48		"	50.0		96.7	87-112				
Chloroethane	45		"	50.0		90.5	60-132				
Chloroform	54		"	50.0		108	80-126				
Chloromethane	43		"	50.0		85.9	36-133				
cis-1,2-Dichloroethylene	51		"	50.0		103	80-119				
cis-1,3-Dichloropropylene	53		"	50.0		106	87-125				
Dibromochloromethane	55		"	50.0		109	86-128				
Dibromomethane	52		"	50.0		104	85-121				
Dichlorodifluoromethane	47		"	50.0		94.5	10-156				
Ethyl Benzene	47		"	50.0		94.4	88-117				
Hexachlorobutadiene	45		"	50.0		89.8	82-129				
Isopropylbenzene	42		"	50.0		83.3	84-116	Low Bias			
Methyl tert-butyl ether (MTBE)	50		"	50.0		101	58-137				
Methylene chloride	46		"	50.0		91.2	47-140				
Naphthalene	62		"	50.0		124	65-143				
n-Butylbenzene	44		"	50.0		87.8	79-119				
n-Propylbenzene	41		"	50.0		82.8	82-116				
o-Xylene	46		"	50.0		92.1	88-111				
p- & m- Xylenes	94		"	100		93.7	86-117				
p-Isopropyltoluene	44		"	50.0		87.8	84-120				
sec-Butylbenzene	43		"	50.0		85.2	85-119				
Styrene	51		"	50.0		103	85-119				
tert-Butylbenzene	43		"	50.0		85.3	84-119				
Tetrachloroethylene	55		"	50.0		111	74-127				
Toluene	47		"	50.0		93.7	83-114				
trans-1,2-Dichloroethylene	48		"	50.0		95.7	68-131				
trans-1,3-Dichloropropylene	52		"	50.0		104	81-127				
Trichloroethylene	49		"	50.0		97.7	84-118				
Trichlorofluoromethane	48		"	50.0		96.8	59-148				
Vinyl Chloride	43		"	50.0		85.4	46-133				
Vinyl acetate	17		"	50.0		34.4	10-84				
Surrogate: 1,2-Dichloroethane-d4	54.7		"	50.0		109	72-137				
Surrogate: p-Bromofluorobenzene	47.9		"	50.0		95.8	72-138				
Surrogate: Toluene-d8	48.9		"	50.0		97.8	85-118				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Flag	RPD		
		Limit						Units	Level	Result
<b>Batch BI30898 - EPA 5035A</b>										
<b>LCS Dup (BI30898-bsd1)</b>										
Prepared & Analyzed: 09/19/2013										
1,1,1,2-Tetrachloroethane	51		ug/L	50.0	101	91-113		2.80	30	
1,1,1-Trichloroethane	52		"	50.0	104	76-135		1.72	30	
1,1,2,2-Tetrachloroethane	49		"	50.0	98.4	82-119		1.76	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0	105	68-144		2.02	30	
1,1,2-Trichloroethane	50		"	50.0	99.2	82-114		2.65	30	
1,1-Dichloroethane	60		"	50.0	119	80-119		0.370	30	
1,1-Dichloroethylene	48		"	50.0	95.4	58-139		2.42	30	
1,1-Dichloropropylene	50		"	50.0	101	75-117		0.458	30	
1,2,3-Trichlorobenzene	57		"	50.0	113	72-133		3.15	30	
1,2,3-Trichloropropane	51		"	50.0	102	82-117		2.12	30	
1,2,4-Trichlorobenzene	52		"	50.0	104	69-135		2.49	30	
1,2,4-Trimethylbenzene	43		"	50.0	85.7	82-116		0.515	30	
1,2-Dibromo-3-chloropropane	55		"	50.0	110	72-131		4.64	30	
1,2-Dibromoethane	52		"	50.0	104	86-114		3.32	30	
1,2-Dichlorobenzene	47		"	50.0	93.7	85-114		0.532	30	
1,2-Dichloroethane	56		"	50.0	113	72-136		1.45	30	
1,2-Dichloropropane	49		"	50.0	97.9	79-119		2.12	30	
1,3,5-Trimethylbenzene	44		"	50.0	87.2	86-114		0.667	30	
1,3-Dichlorobenzene	46		"	50.0	91.8	84-114		0.546	30	
1,3-Dichloropropane	52		"	50.0	103	82-117		0.857	30	
1,4-Dichlorobenzene	47		"	50.0	93.1	82-116		1.82	30	
1,4-Dioxane	1100		"	1000	113	10-208		5.58	30	
2,2-Dichloropropane	47		"	50.0	94.4	44-148		0.127	30	
2-Butanone	59		"	50.0	118	60-129		3.62	30	
2-Chlorotoluene	42		"	50.0	84.8	82-114		2.17	30	
4-Chlorotoluene	42		"	50.0	84.6	82-117		0.712	30	
Acetone	41		"	50.0	81.5	26-119		2.43	30	
Benzene	52		"	50.0	103	81-117		1.52	30	
Bromobenzene	46		"	50.0	92.7	85-114		2.80	30	
Bromochloromethane	50		"	50.0	100	79-118		1.68	30	
Bromodichloromethane	52		"	50.0	104	88-123		0.639	30	
Bromoform	50		"	50.0	100	85-122		0.239	30	
Bromomethane	44		"	50.0	88.4	43-137		11.6	30	
Carbon tetrachloride	53		"	50.0	107	79-135		1.30	30	
Chlorobenzene	49		"	50.0	98.5	87-112		1.86	30	
Chloroethane	46		"	50.0	91.4	60-132		1.06	30	
Chloroform	53		"	50.0	106	80-126		2.15	30	
Chloromethane	42		"	50.0	84.3	36-133		1.90	30	
cis-1,2-Dichloroethylene	52		"	50.0	104	80-119		0.794	30	
cis-1,3-Dichloropropylene	52		"	50.0	104	87-125		1.64	30	
Dibromochloromethane	55		"	50.0	109	86-128		0.274	30	
Dibromomethane	52		"	50.0	104	85-121		0.403	30	
Dichlorodifluoromethane	46		"	50.0	91.6	10-156		3.05	30	
Ethyl Benzene	48		"	50.0	96.1	88-117		1.81	30	
Hexachlorobutadiene	46		"	50.0	92.1	82-129		2.53	30	
Isopropylbenzene	43		"	50.0	86.2	84-116		3.47	30	
Methyl tert-butyl ether (MTBE)	50		"	50.0	99.2	58-137		1.78	30	
Methylene chloride	46		"	50.0	92.3	47-140		1.22	30	
Naphthalene	63		"	50.0	126	65-143		1.75	30	
n-Butylbenzene	44		"	50.0	87.7	79-119		0.114	30	
n-Propylbenzene	42		"	50.0	84.6	82-116		2.10	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30898 - EPA 5035A

LCS Dup (BI30898-BSD1)

Prepared & Analyzed: 09/19/2013

o-Xylene	47		ug/L	50.0		94.0	88-111		2.04	30	
p- & m- Xylenes	96		"	100		95.5	86-117		1.92	30	
p-Isopropyltoluene	44		"	50.0		88.6	84-120		0.975	30	
sec-Butylbenzene	44		"	50.0		88.1	85-119		3.44	30	
Styrene	52		"	50.0		104	85-119		1.33	30	
tert-Butylbenzene	44		"	50.0		87.5	84-119		2.50	30	
Tetrachloroethylene	54		"	50.0		108	74-127		1.94	30	
Toluene	47		"	50.0		94.9	83-114		1.23	30	
trans-1,2-Dichloroethylene	48		"	50.0		96.6	68-131		0.998	30	
trans-1,3-Dichloropropylene	53		"	50.0		107	81-127		2.44	30	
Trichloroethylene	50		"	50.0		100	84-118		2.53	30	
Trichlorofluoromethane	49		"	50.0		98.6	59-148		1.82	30	
Vinyl Chloride	44		"	50.0		88.4	46-133		3.45	30	
Vinyl acetate	16		"	50.0		32.6	10-84		5.37	30	
Surrogate: 1,2-Dichloroethane-d4	52.5		"	50.0		105	72-137				
Surrogate: p-Bromofluorobenzene	47.7		"	50.0		95.5	72-138				
Surrogate: Toluene-d8	47.5		"	50.0		94.9	85-118				

Batch BI30921 - EPA 5035A

Blank (BI30921-BLK1)

Prepared & Analyzed: 09/20/2013

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
Acetone	0.0061	0.010	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit								RPD	

**Batch BI30921 - EPA 5035A**

**Blank (BI30921-BLK1)**

Prepared & Analyzed: 09/20/2013

Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Vinyl acetate	ND	0.0050	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.9</i>		<i>ug/L</i>	<i>50.0</i>		<i>106</i>		<i>72-137</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>52.1</i>		<i>"</i>	<i>50.0</i>		<i>104</i>		<i>72-138</i>			
<i>Surrogate: Toluene-d8</i>	<i>48.6</i>		<i>"</i>	<i>50.0</i>		<i>97.2</i>		<i>85-118</i>			



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	
		Limit								Units	Level

**Batch BI30921 - EPA 5035A**

**LCS (BI30921-BS1)**

Prepared & Analyzed: 09/20/2013

1,1,1,2-Tetrachloroethane	50		ug/L	50.0		99.2	91-113				
1,1,1-Trichloroethane	54		"	50.0		108	76-135				
1,1,2,2-Tetrachloroethane	46		"	50.0		91.4	82-119				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60		"	50.0		120	68-144				
1,1,2-Trichloroethane	48		"	50.0		96.2	82-114				
1,1-Dichloroethane	60		"	50.0		119	80-119				
1,1-Dichloroethylene	54		"	50.0		108	58-139				
1,1-Dichloropropylene	54		"	50.0		109	75-117				
1,2,3-Trichlorobenzene	57		"	50.0		114	72-133				
1,2,3-Trichloropropane	49		"	50.0		97.2	82-117				
1,2,4-Trichlorobenzene	56		"	50.0		112	69-135				
1,2,4-Trimethylbenzene	46		"	50.0		91.6	82-116				
1,2-Dibromo-3-chloropropane	48		"	50.0		96.1	72-131				
1,2-Dibromoethane	51		"	50.0		103	86-114				
1,2-Dichlorobenzene	48		"	50.0		96.6	85-114				
1,2-Dichloroethane	57		"	50.0		114	72-136				
1,2-Dichloropropane	48		"	50.0		96.9	79-119				
1,3,5-Trimethylbenzene	46		"	50.0		92.1	86-114				
1,3-Dichlorobenzene	48		"	50.0		95.2	84-114				
1,3-Dichloropropane	51		"	50.0		101	82-117				
1,4-Dichlorobenzene	48		"	50.0		95.3	82-116				
1,4-Dioxane	850		"	1000		84.8	10-208				
2,2-Dichloropropane	55		"	50.0		111	44-148				
2-Butanone	55		"	50.0		110	60-129				
2-Chlorotoluene	44		"	50.0		88.5	82-114				
4-Chlorotoluene	44		"	50.0		88.7	82-117				
Acetone	39		"	50.0		78.8	26-119				
Benzene	55		"	50.0		110	81-117				
Bromobenzene	45		"	50.0		90.7	85-114				
Bromochloromethane	55		"	50.0		110	79-118				
Bromodichloromethane	52		"	50.0		104	88-123				
Bromoform	47		"	50.0		93.8	85-122				
Bromomethane	65		"	50.0		130	43-137				
Carbon tetrachloride	57		"	50.0		113	79-135				
Chlorobenzene	49		"	50.0		97.8	87-112				
Chloroethane	55		"	50.0		110	60-132				
Chloroform	56		"	50.0		112	80-126				
Chloromethane	51		"	50.0		103	36-133				
cis-1,2-Dichloroethylene	55		"	50.0		109	80-119				
cis-1,3-Dichloropropylene	54		"	50.0		107	87-125				
Dibromochloromethane	54		"	50.0		108	86-128				
Dibromomethane	50		"	50.0		99.7	85-121				
Dichlorodifluoromethane	49		"	50.0		97.5	10-156				
Ethyl Benzene	49		"	50.0		97.8	88-117				
Hexachlorobutadiene	50		"	50.0		100	82-129				
Isopropylbenzene	45		"	50.0		89.4	84-116				
Methyl tert-butyl ether (MTBE)	52		"	50.0		103	58-137				
Methylene chloride	53		"	50.0		106	47-140				
Naphthalene	57		"	50.0		115	65-143				
n-Butylbenzene	48		"	50.0		95.8	79-119				
n-Propylbenzene	45		"	50.0		89.5	82-116				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI30921 - EPA 5035A</b>											
<b>LCS (BI30921-BS1)</b>											
Prepared & Analyzed: 09/20/2013											
o-Xylene	48		ug/L	50.0		95.8	88-111				
p- & m- Xylenes	97		"	100		96.9	86-117				
p-Isopropyltoluene	46		"	50.0		93.0	84-120				
sec-Butylbenzene	46		"	50.0		92.2	85-119				
Styrene	52		"	50.0		104	85-119				
tert-Butylbenzene	46		"	50.0		92.5	84-119				
Tetrachloroethylene	49		"	50.0		98.5	74-127				
Toluene	49		"	50.0		97.1	83-114				
trans-1,2-Dichloroethylene	55		"	50.0		110	68-131				
trans-1,3-Dichloropropylene	53		"	50.0		106	81-127				
Trichloroethylene	51		"	50.0		101	84-118				
Trichlorofluoromethane	54		"	50.0		108	59-148				
Vinyl Chloride	52		"	50.0		104	46-133				
Vinyl acetate	17		"	50.0		34.6	10-84				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.8</i>		<i>"</i>	<i>50.0</i>		<i>104</i>	<i>72-137</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>46.4</i>		<i>"</i>	<i>50.0</i>		<i>92.8</i>	<i>72-138</i>				
<i>Surrogate: Toluene-d8</i>	<i>48.2</i>		<i>"</i>	<i>50.0</i>		<i>96.3</i>	<i>85-118</i>				
<b>LCS Dup (BI30921-BSD1)</b>											
Prepared & Analyzed: 09/20/2013											
1,1,1,2-Tetrachloroethane	52		ug/L	50.0		103	91-113		4.13	30	
1,1,1-Trichloroethane	53		"	50.0		106	76-135		2.39	30	
1,1,2,2-Tetrachloroethane	48		"	50.0		96.8	82-119		5.74	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58		"	50.0		115	68-144		3.63	30	
1,1,2-Trichloroethane	50		"	50.0		100	82-114		4.15	30	
1,1-Dichloroethane	60		"	50.0		120	80-119	High Bias	0.718	30	
1,1-Dichloroethylene	51		"	50.0		102	58-139		6.02	30	
1,1-Dichloropropylene	52		"	50.0		104	75-117		4.75	30	
1,2,3-Trichlorobenzene	54		"	50.0		109	72-133		4.28	30	
1,2,3-Trichloropropane	47		"	50.0		93.7	82-117		3.65	30	
1,2,4-Trichlorobenzene	53		"	50.0		106	69-135		5.43	30	
1,2,4-Trimethylbenzene	45		"	50.0		89.7	82-116		2.10	30	
1,2-Dibromo-3-chloropropane	49		"	50.0		97.7	72-131		1.73	30	
1,2-Dibromoethane	51		"	50.0		102	86-114		0.409	30	
1,2-Dichlorobenzene	47		"	50.0		94.8	85-114		1.82	30	
1,2-Dichloroethane	55		"	50.0		110	72-136		3.19	30	
1,2-Dichloropropane	49		"	50.0		98.9	79-119		2.06	30	
1,3,5-Trimethylbenzene	44		"	50.0		88.9	86-114		3.58	30	
1,3-Dichlorobenzene	47		"	50.0		94.0	84-114		1.21	30	
1,3-Dichloropropane	50		"	50.0		100	82-117		0.675	30	
1,4-Dichlorobenzene	47		"	50.0		94.6	82-116		0.779	30	
1,4-Dioxane	970		"	1000		96.6	10-208		13.0	30	
2,2-Dichloropropane	53		"	50.0		106	44-148		4.37	30	
2-Butanone	52		"	50.0		104	60-129		5.24	30	
2-Chlorotoluene	44		"	50.0		88.2	82-114		0.294	30	
4-Chlorotoluene	44		"	50.0		89.0	82-117		0.360	30	
Acetone	38		"	50.0		76.1	26-119		3.46	30	
Benzene	54		"	50.0		107	81-117		2.95	30	
Bromobenzene	47		"	50.0		94.5	85-114		4.06	30	
Bromochloromethane	52		"	50.0		105	79-118		4.48	30	
Bromodichloromethane	52		"	50.0		104	88-123		0.0575	30	
Bromoform	50		"	50.0		99.7	85-122		6.12	30	
Bromomethane	61		"	50.0		123	43-137		5.44	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit

**Batch BI30921 - EPA 5035A**

**LCS Dup (BI30921-BSD1)**

Prepared & Analyzed: 09/20/2013

Carbon tetrachloride	55		ug/L	50.0		111	79-135		2.04	30
Chlorobenzene	50		"	50.0		99.5	87-112		1.72	30
Chloroethane	52		"	50.0		104	60-132		5.76	30
Chloroform	55		"	50.0		110	80-126		1.30	30
Chloromethane	49		"	50.0		98.9	36-133		4.06	30
cis-1,2-Dichloroethylene	54		"	50.0		107	80-119		1.72	30
cis-1,3-Dichloropropylene	54		"	50.0		108	87-125		0.651	30
Dibromochloromethane	54		"	50.0		109	86-128		0.758	30
Dibromomethane	50		"	50.0		101	85-121		0.859	30
Dichlorodifluoromethane	46		"	50.0		92.4	10-156		5.39	30
Ethyl Benzene	50		"	50.0		99.4	88-117		1.62	30
Hexachlorobutadiene	50		"	50.0		100	82-129		0.260	30
Isopropylbenzene	45		"	50.0		90.1	84-116		0.757	30
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	58-137		1.81	30
Methylene chloride	50		"	50.0		101	47-140		5.05	30
Naphthalene	57		"	50.0		115	65-143		0.0524	30
n-Butylbenzene	47		"	50.0		93.3	79-119		2.69	30
n-Propylbenzene	45		"	50.0		89.0	82-116		0.515	30
o-Xylene	49		"	50.0		97.4	88-111		1.70	30
p- & m- Xylenes	99		"	100		99.0	86-117		2.18	30
p-Isopropyltoluene	46		"	50.0		92.3	84-120		0.734	30
sec-Butylbenzene	46		"	50.0		91.6	85-119		0.631	30
Styrene	53		"	50.0		106	85-119		1.64	30
tert-Butylbenzene	46		"	50.0		91.6	84-119		0.934	30
Tetrachloroethylene	50		"	50.0		101	74-127		2.43	30
Toluene	48		"	50.0		96.8	83-114		0.371	30
trans-1,2-Dichloroethylene	53		"	50.0		106	68-131		3.99	30
trans-1,3-Dichloropropylene	53		"	50.0		107	81-127		1.20	30
Trichloroethylene	51		"	50.0		102	84-118		0.572	30
Trichlorofluoromethane	52		"	50.0		104	59-148		3.76	30
Vinyl Chloride	50		"	50.0		101	46-133		2.70	30
Vinyl acetate	16		"	50.0		32.7	10-84		5.47	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>49.4</i>		<i>"</i>	<i>50.0</i>		<i>98.7</i>	<i>72-137</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>47.0</i>		<i>"</i>	<i>50.0</i>		<i>93.9</i>	<i>72-138</i>			
<i>Surrogate: Toluene-d8</i>	<i>48.4</i>		<i>"</i>	<i>50.0</i>		<i>96.8</i>	<i>85-118</i>			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30953 - EPA 3550B

Blank (BI30953-BLK1)

Prepared: 09/20/2013 Analyzed: 09/24/2013

Acenaphthene	ND	0.167	mg/kg wet								
Acenaphthylene	ND	0.167	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.167	"								
Benzo(a)anthracene	ND	0.167	"								
Benzo(a)pyrene	ND	0.167	"								
Benzo(b)fluoranthene	ND	0.167	"								
Benzo(g,h,i)perylene	ND	0.167	"								
Benzo(k)fluoranthene	ND	0.167	"								
Benzyl alcohol	ND	0.167	"								
Benzyl butyl phthalate	ND	0.167	"								
4-Bromophenyl phenyl ether	ND	0.167	"								
4-Chloro-3-methylphenol	ND	0.167	"								
4-Chloroaniline	ND	0.167	"								
Bis(2-chloroethoxy)methane	ND	0.167	"								
Bis(2-chloroethyl)ether	ND	0.167	"								
Bis(2-chloroisopropyl)ether	ND	0.167	"								
2-Chloronaphthalene	ND	0.167	"								
2-Chlorophenol	ND	0.167	"								
4-Chlorophenyl phenyl ether	ND	0.167	"								
Chrysene	ND	0.167	"								
Dibenzo(a,h)anthracene	ND	0.167	"								
Dibenzofuran	ND	0.167	"								
Di-n-butyl phthalate	ND	0.167	"								
1,3-Dichlorobenzene	ND	0.167	"								
1,4-Dichlorobenzene	ND	0.167	"								
1,2-Dichlorobenzene	ND	0.167	"								
3,3'-Dichlorobenzidine	ND	0.333	"								
2,4-Dichlorophenol	ND	0.167	"								
Diethyl phthalate	ND	0.167	"								
2,4-Dimethylphenol	ND	0.167	"								
Dimethyl phthalate	ND	0.167	"								
4,6-Dinitro-2-methylphenol	ND	0.167	"								
2,4-Dinitrophenol	ND	0.333	"								
2,4-Dinitrotoluene	ND	0.167	"								
2,6-Dinitrotoluene	ND	0.167	"								
Di-n-octyl phthalate	ND	0.167	"								
Bis(2-ethylhexyl)phthalate	ND	0.167	"								
Fluoranthene	ND	0.167	"								
Fluorene	ND	0.167	"								
Hexachlorobenzene	ND	0.167	"								
Hexachlorobutadiene	ND	0.167	"								
Hexachlorocyclopentadiene	ND	0.167	"								
Hexachloroethane	ND	0.167	"								
Indeno(1,2,3-cd)pyrene	ND	0.167	"								
Isophorone	ND	0.167	"								
2-Methylnaphthalene	ND	0.167	"								
2-Methylphenol	ND	0.167	"								
3- & 4-Methylphenols	ND	0.167	"								
Naphthalene	ND	0.167	"								
3-Nitroaniline	ND	0.167	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI30953 - EPA 3550B**

**Blank (BI30953-BLK1)**

Prepared: 09/20/2013 Analyzed: 09/24/2013

2-Nitroaniline	ND	0.167	mg/kg wet								
4-Nitroaniline	ND	0.167	"								
Nitrobenzene	ND	0.167	"								
2-Nitrophenol	ND	0.167	"								
4-Nitrophenol	ND	0.167	"								
N-nitroso-di-n-propylamine	ND	0.167	"								
N-Nitrosodimethylamine	ND	0.167	"								
N-Nitrosodiphenylamine	ND	0.167	"								
Pentachlorophenol	ND	0.167	"								
Phenanthrene	ND	0.167	"								
Phenol	ND	0.167	"								
Pyrene	ND	0.167	"								
Pyridine	ND	0.167	"								
1,2,4-Trichlorobenzene	ND	0.167	"								
2,4,6-Trichlorophenol	ND	0.167	"								
2,4,5-Trichlorophenol	ND	0.167	"								
<i>Surrogate: 2-Fluorophenol</i>	2.86		"	2.49		115	10-109				
<i>Surrogate: Phenol-d5</i>	2.67		"	2.51		106	10-124				
<i>Surrogate: Nitrobenzene-d5</i>	1.76		"	1.69		104	10-148				
<i>Surrogate: 2-Fluorobiphenyl</i>	1.67		"	1.67		100	10-111				
<i>Surrogate: 2,4,6-Tribromophenol</i>	2.19		"	2.61		83.6	10-142				
<i>Surrogate: Terphenyl-d14</i>	1.67		"	1.70		98.2	10-147				

**LCS (BI30953-BS1)**

Prepared: 09/20/2013 Analyzed: 09/23/2013

Acenaphthene	1.60	0.167	mg/kg wet	1.67		95.8	35-127				
Acenaphthylene	1.58	0.167	"	1.67		94.7	37-121				
Aniline	1.13	0.167	"	1.67		67.9	10-149				
Anthracene	1.65	0.167	"	1.67		98.8	38-131				
Benzo(a)anthracene	1.53	0.167	"	1.67		91.9	37-137				
Benzo(a)pyrene	1.94	0.167	"	1.67		116	33-162				
Benzo(b)fluoranthene	1.48	0.167	"	1.67		88.6	26-160				
Benzo(g,h,i)perylene	1.80	0.167	"	1.67		108	10-154				
Benzo(k)fluoranthene	1.62	0.167	"	1.67		96.9	34-143				
Benzyl alcohol	1.58	0.167	"	1.67		95.1	33-124				
Benzyl butyl phthalate	1.38	0.167	"	1.67		82.5	30-143				
4-Bromophenyl phenyl ether	1.76	0.167	"	1.67		105	35-135				
4-Chloro-3-methylphenol	1.55	0.167	"	1.67		92.8	34-133				
4-Chloroaniline	1.68	0.167	"	1.67		100	17-175				
Bis(2-chloroethoxy)methane	1.49	0.167	"	1.67		89.3	31-119				
Bis(2-chloroethyl)ether	1.51	0.167	"	1.67		90.8	18-124				
Bis(2-chloroisopropyl)ether	1.48	0.167	"	1.67		88.7	10-141				
2-Chloronaphthalene	1.57	0.167	"	1.67		94.4	34-117				
2-Chlorophenol	1.52	0.167	"	1.67		91.2	32-123				
4-Chlorophenyl phenyl ether	1.73	0.167	"	1.67		104	25-142				
Chrysene	1.48	0.167	"	1.67		88.9	38-132				
Dibenzo(a,h)anthracene	1.71	0.167	"	1.67		103	14-153				
Dibenzofuran	1.63	0.167	"	1.67		98.0	39-123				
Di-n-butyl phthalate	1.51	0.167	"	1.67		90.4	35-132				
1,3-Dichlorobenzene	1.46	0.167	"	1.67		87.7	22-120				
1,4-Dichlorobenzene	1.41	0.167	"	1.67		84.5	20-122				
1,2-Dichlorobenzene	1.45	0.167	"	1.67		86.9	22-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30953 - EPA 3550B

LCS (BI30953-BS1)

Prepared: 09/20/2013 Analyzed: 09/23/2013

3,3'-Dichlorobenzidine	1.72	0.333	mg/kg wet	1.67		103	16-177				
2,4-Dichlorophenol	1.66	0.167	"	1.67		99.8	30-134				
Diethyl phthalate	1.51	0.167	"	1.67		90.6	41-125				
2,4-Dimethylphenol	1.54	0.167	"	1.67		92.4	33-120				
Dimethyl phthalate	1.55	0.167	"	1.67		92.8	39-125				
4,6-Dinitro-2-methylphenol	1.86	0.167	"	1.67		112	10-165				
2,4-Dinitrophenol	1.61	0.333	"	1.67		96.7	53-209				
2,4-Dinitrotoluene	1.57	0.167	"	1.67		94.2	41-129				
2,6-Dinitrotoluene	1.70	0.167	"	1.67		102	42-130				
Di-n-octyl phthalate	1.67	0.167	"	1.67		100	19-162				
Bis(2-ethylhexyl)phthalate	1.31	0.167	"	1.67		78.4	35-137				
Fluoranthene	1.71	0.167	"	1.67		103	35-136				
Fluorene	1.66	0.167	"	1.67		99.7	33-134				
Hexachlorobenzene	1.52	0.167	"	1.67		91.0	31-139				
Hexachlorobutadiene	1.64	0.167	"	1.67		98.2	19-137				
Hexachlorocyclopentadiene	1.31	0.167	"	1.67		78.7	10-145				
Hexachloroethane	1.47	0.167	"	1.67		88.1	12-125				
Indeno(1,2,3-cd)pyrene	1.86	0.167	"	1.67		112	11-155				
Isophorone	1.49	0.167	"	1.67		89.5	30-125				
2-Methylnaphthalene	1.57	0.167	"	1.67		94.1	30-125				
2-Methylphenol	1.53	0.167	"	1.67		91.9	30-128				
3- & 4-Methylphenols	1.46	0.167	"	1.67		87.4	30-120				
Naphthalene	1.51	0.167	"	1.67		90.6	28-121				
3-Nitroaniline	1.68	0.167	"	1.67		101	10-234				
2-Nitroaniline	1.53	0.167	"	1.67		91.6	38-130				
4-Nitroaniline	1.84	0.167	"	1.67		110	10-208				
Nitrobenzene	1.52	0.167	"	1.67		91.2	28-118				
2-Nitrophenol	1.52	0.167	"	1.67		91.4	23-129				
4-Nitrophenol	1.74	0.167	"	1.67		105	10-185				
N-nitroso-di-n-propylamine	1.52	0.167	"	1.67		91.3	21-136				
N-Nitrosodimethylamine	1.18	0.167	"	1.67		71.1	10-131				
N-Nitrosodiphenylamine	1.98	0.167	"	1.67		119	36-163				
Pentachlorophenol	1.75	0.167	"	1.67		105	15-182				
Phenanthrene	1.67	0.167	"	1.67		100	37-132				
Phenol	1.49	0.167	"	1.67		89.5	28-124				
Pyrene	1.59	0.167	"	1.67		95.5	30-147				
Pyridine	0.718	0.167	"	1.67		43.1	10-113				
1,2,4-Trichlorobenzene	1.58	0.167	"	1.67		94.7	22-129				
2,4,6-Trichlorophenol	1.64	0.167	"	1.67		98.5	36-130				
2,4,5-Trichlorophenol	1.66	0.167	"	1.67		99.7	34-126				
Surrogate: 2-Fluorophenol	2.13		"	2.49		85.7	10-109				
Surrogate: Phenol-d5	2.21		"	2.51		88.1	10-124				
Surrogate: Nitrobenzene-d5	1.40		"	1.69		82.6	10-148				
Surrogate: 2-Fluorobiphenyl	1.50		"	1.67		90.3	10-111				
Surrogate: 2,4,6-Tribromophenol	2.51		"	2.61		96.0	10-142				
Surrogate: Terphenyl-d14	1.49		"	1.70		87.8	10-147				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30953 - EPA 3550B

LCS Dup (BI30953-BSD1)

Prepared: 09/20/2013 Analyzed: 09/23/2013

Acenaphthene	1.43	0.167	mg/kg wet	1.67		85.7	35-127		11.1	30	
Acenaphthylene	1.42	0.167	"	1.67		85.1	37-121		10.7	30	
Aniline	1.23	0.167	"	1.67		73.6	10-149		8.00	30	
Anthracene	1.51	0.167	"	1.67		90.4	38-131		8.86	30	
Benzo(a)anthracene	1.45	0.167	"	1.67		87.1	37-137		5.34	30	
Benzo(a)pyrene	1.80	0.167	"	1.67		108	33-162		7.38	30	
Benzo(b)fluoranthene	1.83	0.167	"	1.67		110	26-160		21.1	30	
Benzo(g,h,i)perylene	1.53	0.167	"	1.67		92.0	10-154		15.9	30	
Benzo(k)fluoranthene	1.71	0.167	"	1.67		103	34-143		5.95	30	
Benzyl alcohol	1.42	0.167	"	1.67		85.4	33-124		10.7	30	
Benzyl butyl phthalate	1.31	0.167	"	1.67		78.8	30-143		4.54	30	
4-Bromophenyl phenyl ether	1.58	0.167	"	1.67		94.7	35-135		10.6	30	
4-Chloro-3-methylphenol	1.44	0.167	"	1.67		86.2	34-133		7.40	30	
4-Chloroaniline	1.71	0.167	"	1.67		103	17-175		2.17	30	
Bis(2-chloroethoxy)methane	1.36	0.167	"	1.67		81.8	31-119		8.76	30	
Bis(2-chloroethyl)ether	1.36	0.167	"	1.67		81.8	18-124		10.5	30	
Bis(2-chloroisopropyl)ether	1.32	0.167	"	1.67		79.3	10-141		11.2	30	
2-Chloronaphthalene	1.43	0.167	"	1.67		86.0	34-117		9.40	30	
2-Chlorophenol	1.39	0.167	"	1.67		83.3	32-123		8.98	30	
4-Chlorophenyl phenyl ether	1.58	0.167	"	1.67		94.7	25-142		9.23	30	
Chrysene	1.34	0.167	"	1.67		80.4	38-132		9.99	30	
Dibenzo(a,h)anthracene	1.68	0.167	"	1.67		101	14-153		1.87	30	
Dibenzofuran	1.49	0.167	"	1.67		89.2	39-123		9.38	30	
Di-n-butyl phthalate	1.38	0.167	"	1.67		82.6	35-132		9.04	30	
1,3-Dichlorobenzene	1.32	0.167	"	1.67		79.0	22-120		10.4	30	
1,4-Dichlorobenzene	1.30	0.167	"	1.67		77.9	20-122		8.15	30	
1,2-Dichlorobenzene	1.33	0.167	"	1.67		79.9	22-121		8.42	30	
3,3'-Dichlorobenzidine	1.72	0.333	"	1.67		103	16-177		0.0776	30	
2,4-Dichlorophenol	1.48	0.167	"	1.67		88.7	30-134		11.7	30	
Diethyl phthalate	1.38	0.167	"	1.67		82.7	41-125		9.12	30	
2,4-Dimethylphenol	1.38	0.167	"	1.67		82.6	33-120		11.1	30	
Dimethyl phthalate	1.42	0.167	"	1.67		85.0	39-125		8.84	30	
4,6-Dinitro-2-methylphenol	1.55	0.167	"	1.67		93.1	10-165		18.3	30	
2,4-Dinitrophenol	1.36	0.333	"	1.67		81.8	53-209		16.7	30	
2,4-Dinitrotoluene	1.44	0.167	"	1.67		86.2	41-129		8.89	30	
2,6-Dinitrotoluene	1.55	0.167	"	1.67		92.9	42-130		9.13	30	
Di-n-octyl phthalate	1.51	0.167	"	1.67		90.7	19-162		10.1	30	
Bis(2-ethylhexyl)phthalate	1.20	0.167	"	1.67		72.2	35-137		8.26	30	
Fluoranthene	1.58	0.167	"	1.67		94.6	35-136		8.30	30	
Fluorene	1.50	0.167	"	1.67		90.0	33-134		10.2	30	
Hexachlorobenzene	1.35	0.167	"	1.67		81.1	31-139		11.5	30	
Hexachlorobutadiene	1.49	0.167	"	1.67		89.2	19-137		9.63	30	
Hexachlorocyclopentadiene	1.00	0.167	"	1.67		60.2	10-145		26.6	30	
Hexachloroethane	1.33	0.167	"	1.67		79.9	12-125		9.86	30	
Indeno(1,2,3-cd)pyrene	1.73	0.167	"	1.67		104	11-155		7.43	30	
Isophorone	1.38	0.167	"	1.67		82.6	30-125		8.04	30	
2-Methylnaphthalene	1.43	0.167	"	1.67		86.0	30-125		8.99	30	
2-Methylphenol	1.40	0.167	"	1.67		83.8	30-128		9.24	30	
3- & 4-Methylphenols	1.32	0.167	"	1.67		79.2	30-120		9.84	30	
Naphthalene	1.39	0.167	"	1.67		83.2	28-121		8.52	30	
3-Nitroaniline	1.65	0.167	"	1.67		98.8	10-234		1.85	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30953 - EPA 3550B

LCS Dup (BI30953-BSD1)

Prepared: 09/20/2013 Analyzed: 09/23/2013

2-Nitroaniline	1.39	0.167	mg/kg wet	1.67		83.2	38-130		9.64	30	
4-Nitroaniline	1.74	0.167	"	1.67		105	10-208		5.23	30	
Nitrobenzene	1.37	0.167	"	1.67		82.1	28-118		10.6	30	
2-Nitrophenol	1.38	0.167	"	1.67		82.6	23-129		10.2	30	
4-Nitrophenol	1.55	0.167	"	1.67		93.0	10-185		11.7	30	
N-nitroso-di-n-propylamine	1.38	0.167	"	1.67		82.8	21-136		9.78	30	
N-Nitrosodimethylamine	1.02	0.167	"	1.67		61.3	10-131		14.8	30	
N-Nitrosodiphenylamine	1.76	0.167	"	1.67		106	36-163		11.5	30	
Pentachlorophenol	1.61	0.167	"	1.67		96.7	15-182		8.38	30	
Phenanthrene	1.52	0.167	"	1.67		91.0	37-132		9.69	30	
Phenol	1.36	0.167	"	1.67		81.6	28-124		9.21	30	
Pyrene	1.51	0.167	"	1.67		90.5	30-147		5.33	30	
Pyridine	0.969	0.167	"	1.67		58.1	10-113		29.7	30	
1,2,4-Trichlorobenzene	1.46	0.167	"	1.67		87.9	22-129		7.47	30	
2,4,6-Trichlorophenol	1.50	0.167	"	1.67		90.2	36-130		8.80	30	
2,4,5-Trichlorophenol	1.49	0.167	"	1.67		89.3	34-126		11.0	30	
Surrogate: 2-Fluorophenol	1.87		"	2.49		75.4	10-109				
Surrogate: Phenol-d5	1.94		"	2.51		77.4	10-124				
Surrogate: Nitrobenzene-d5	1.25		"	1.69		74.0	10-148				
Surrogate: 2-Fluorobiphenyl	1.33		"	1.67		79.9	10-111				
Surrogate: 2,4,6-Tribromophenol	2.22		"	2.61		85.1	10-142				
Surrogate: Terphenyl-d14	1.36		"	1.70		80.1	10-147				

Matrix Spike (BI30953-MS1)

\*Source sample: 1310630-01 (CP-SB-7 (0.8-2.8'))

Prepared: 09/20/2013 Analyzed: 09/23/2013

Acenaphthene	1.45	0.188	mg/kg dry	1.88	ND	77.1	10-143				
Acenaphthylene	1.41	0.188	"	1.88	ND	75.3	10-137				
Aniline	1.34	0.188	"	1.88	ND	71.7	10-154				
Anthracene	1.48	0.188	"	1.88	ND	78.9	18-140				
Benzo(a)anthracene	1.43	0.188	"	1.88	0.540	47.5	10-154				
Benzo(a)pyrene	1.73	0.188	"	1.88	0.611	59.6	12-172				
Benzo(b)fluoranthene	1.71	0.188	"	1.88	0.476	65.6	18-163				
Benzo(g,h,i)perylene	1.42	0.188	"	1.88	ND	76.0	10-158				
Benzo(k)fluoranthene	1.74	0.188	"	1.88	0.510	65.8	14-157				
Benzyl alcohol	1.41	0.188	"	1.88	ND	75.1	10-136				
Benzyl butyl phthalate	1.38	0.188	"	1.88	ND	73.5	10-152				
4-Bromophenyl phenyl ether	1.53	0.188	"	1.88	ND	81.7	11-146				
4-Chloro-3-methylphenol	1.45	0.188	"	1.88	ND	77.6	10-156				
4-Chloroaniline	1.74	0.188	"	1.88	ND	92.7	10-168				
Bis(2-chloroethoxy)methane	1.33	0.188	"	1.88	ND	70.8	10-135				
Bis(2-chloroethyl)ether	1.35	0.188	"	1.88	ND	72.0	10-127				
Bis(2-chloroisopropyl)ether	1.30	0.188	"	1.88	ND	69.6	10-142				
2-Chloronaphthalene	1.44	0.188	"	1.88	ND	76.8	12-129				
2-Chlorophenol	1.35	0.188	"	1.88	ND	72.0	10-133				
4-Chlorophenyl phenyl ether	1.55	0.188	"	1.88	ND	82.4	13-138				
Chrysene	1.40	0.188	"	1.88	0.731	35.7	22-140				
Dibenzo(a,h)anthracene	1.52	0.188	"	1.88	ND	81.1	10-146				
Dibenzofuran	1.47	0.188	"	1.88	ND	78.4	15-136				
Di-n-butyl phthalate	1.39	0.188	"	1.88	ND	74.0	20-138				
1,3-Dichlorobenzene	1.27	0.188	"	1.88	ND	67.5	10-120				
1,4-Dichlorobenzene	1.26	0.188	"	1.88	ND	67.2	10-119				
1,2-Dichlorobenzene	1.28	0.188	"	1.88	ND	68.5	10-126				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30953 - EPA 3550B

Matrix Spike (BI30953-MS1)

\*Source sample: 1310630-01 (CP-SB-7 (0.8-2.8'))

Prepared: 09/20/2013 Analyzed: 09/23/2013

3,3'-Dichlorobenzidine	1.54	0.375	mg/kg dry	1.88	ND	82.1	10-154				
2,4-Dichlorophenol	1.50	0.188	"	1.88	ND	79.9	10-140				
Diethyl phthalate	1.36	0.188	"	1.88	ND	72.3	20-132				
2,4-Dimethylphenol	1.39	0.188	"	1.88	ND	73.9	10-130				
Dimethyl phthalate	1.44	0.188	"	1.88	ND	76.9	22-128				
4,6-Dinitro-2-methylphenol	1.63	0.188	"	1.88	ND	86.8	10-145				
2,4-Dinitrophenol	1.45	0.375	"	1.88	ND	77.4	10-175				
2,4-Dinitrotoluene	1.47	0.188	"	1.88	ND	78.4	10-145				
2,6-Dinitrotoluene	1.54	0.188	"	1.88	ND	82.4	18-135				
Di-n-octyl phthalate	1.52	0.188	"	1.88	ND	81.2	10-177				
Bis(2-ethylhexyl)phthalate	1.22	0.188	"	1.88	ND	65.1	22-144				
Fluoranthene	1.64	0.188	"	1.88	1.19	24.0	10-155				
Fluorene	1.49	0.188	"	1.88	ND	79.3	18-139				
Hexachlorobenzene	1.43	0.188	"	1.88	ND	76.4	16-150				
Hexachlorobutadiene	1.49	0.188	"	1.88	ND	79.3	10-135				
Hexachlorocyclopentadiene	1.18	0.188	"	1.88	ND	63.1	10-120				
Hexachloroethane	1.27	0.188	"	1.88	ND	68.0	10-115				
Indeno(1,2,3-cd)pyrene	1.53	0.188	"	1.88	ND	81.5	10-158				
Isophorone	1.37	0.188	"	1.88	ND	72.9	10-136				
2-Methylnaphthalene	1.40	0.188	"	1.88	ND	74.7	10-143				
2-Methylphenol	1.37	0.188	"	1.88	ND	73.1	10-160				
3- & 4-Methylphenols	1.28	0.188	"	1.88	ND	68.4	10-130				
Naphthalene	1.38	0.188	"	1.88	ND	73.4	10-143				
3-Nitroaniline	1.60	0.188	"	1.88	ND	85.4	10-196				
2-Nitroaniline	1.38	0.188	"	1.88	ND	73.4	19-137				
4-Nitroaniline	1.66	0.188	"	1.88	ND	88.3	10-189				
Nitrobenzene	1.40	0.188	"	1.88	ND	74.5	10-146				
2-Nitrophenol	1.37	0.188	"	1.88	ND	73.0	10-148				
4-Nitrophenol	1.54	0.188	"	1.88	ND	82.1	10-180				
N-nitroso-di-n-propylamine	1.37	0.188	"	1.88	ND	73.0	10-150				
N-Nitrosodimethylamine	1.06	0.188	"	1.88	ND	56.6	10-131				
N-Nitrosodiphenylamine	1.77	0.188	"	1.88	ND	94.6	13-166				
Pentachlorophenol	1.57	0.188	"	1.88	ND	83.7	10-189				
Phenanthrene	1.50	0.188	"	1.88	0.810	37.0	12-151				
Phenol	1.35	0.188	"	1.88	ND	71.8	10-134				
Pyrene	1.58	0.188	"	1.88	1.15	23.1	10-156				
Pyridine	0.212	0.188	"	1.88	ND	11.3	10-112				
1,2,4-Trichlorobenzene	1.43	0.188	"	1.88	ND	76.4	10-127				
2,4,6-Trichlorophenol	1.49	0.188	"	1.88	ND	79.3	10-144				
2,4,5-Trichlorophenol	1.51	0.188	"	1.88	ND	80.5	17-131				
Surrogate: 2-Fluorophenol	1.85		"	2.80		66.1	10-109				
Surrogate: Phenol-d5	1.91		"	2.82		67.6	10-124				
Surrogate: Nitrobenzene-d5	1.25		"	1.91		65.8	10-148				
Surrogate: 2-Fluorobiphenyl	1.35		"	1.88		72.0	10-111				
Surrogate: 2,4,6-Tribromophenol	2.23		"	2.94		76.0	10-142				
Surrogate: Terphenyl-d14	1.44		"	1.91		75.1	10-147				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI30811 - EPA 3050B**

**Blank (BI30811-BLK1)**

Prepared & Analyzed: 09/18/2013

Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								

**Duplicate (BI30811-DUP1)**

\*Source sample: 13I0630-03 (CP-SB-7 (14-16'))

Prepared & Analyzed: 09/18/2013

Aluminum	6010	1.23	mg/kg dry		6020				0.0253	35	
Antimony	ND	0.616	"		ND					35	
Arsenic	2.02	1.23	"		1.85				8.64	35	
Barium	21.3	1.23	"		21.0				1.68	35	
Beryllium	ND	0.123	"		ND					35	
Cadmium	ND	0.369	"		ND					35	
Calcium	783	6.16	"		797				1.79	35	
Chromium	8.28	0.616	"		8.14				1.70	35	
Cobalt	5.13	0.616	"		5.09				0.780	35	
Copper	9.72	0.616	"		9.62				1.03	35	
Iron	12500	2.46	"		12700				1.62	35	
Lead	4.38	0.369	"		4.29				2.16	35	
Magnesium	2400	6.16	"		2450				1.89	35	
Manganese	131	0.616	"		131				0.365	35	
Nickel	14.1	0.616	"		14.0				0.274	35	
Potassium	648	6.16	"		662				2.11	35	
Selenium	1.51	1.23	"		ND					35	
Silver	ND	0.616	"		ND					35	
Sodium	155	12.3	"		159				2.25	35	
Thallium	ND	1.23	"		ND					35	
Vanadium	11.3	1.23	"		11.1				1.80	35	
Zinc	24.8	1.23	"		24.3				2.15	35	



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting		Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit	Units							Level	Result

**Batch BI30811 - EPA 3050B**

<b>Matrix Spike (BI30811-MS1)</b>	*Source sample: 1310630-03 (CP-SB-7 (14-16'))						Prepared & Analyzed: 09/18/2013				
Aluminum	6270	1.23	mg/kg dry	246	6020	103	75-125				
Antimony	30.3	0.616	"	30.8	ND	98.4	75-125				
Arsenic	240	1.23	"	246	1.85	96.5	75-125				
Barium	281	1.23	"	246	21.0	106	75-125				
Beryllium	5.95	0.123	"	6.16	ND	96.6	75-125				
Cadmium	5.66	0.369	"	6.16	ND	91.9	75-125				
Chromium	33.6	0.616	"	24.6	8.14	103	75-125				
Cobalt	69.2	0.616	"	61.6	5.09	104	75-125				
Copper	42.4	0.616	"	30.8	9.62	106	75-125				
Iron	12700	2.46	"	123	12700	21.6	75-125	Low Bias			
Lead	65.6	0.369	"	61.6	4.29	99.6	75-125				
Magnesium	2430	6.16	"		2450		75-125				
Manganese	196	0.616	"	61.6	131	105	75-125				
Nickel	78.6	0.616	"	61.6	14.0	105	75-125				
Potassium	655	6.16	"		662		75-125				
Silver	5.00	0.616	"	6.16	ND	81.2	75-125				
Sodium	158	12.3	"		159		75-125				
Thallium	249	1.23	"	246	ND	101	75-125				
Vanadium	71.9	1.23	"	61.6	11.1	98.7	75-125				
Zinc	86.6	1.23	"	61.6	24.3	101	75-125				

<b>Reference (BI30811-SRM1)</b>	Prepared & Analyzed: 09/18/2013										
Aluminum	7810	1.00	mg/kg wet	9060		86.2	42.6-157				
Antimony	120	0.500	"	106		113	23.1-256				
Arsenic	169	1.00	"	182		92.9	70.9-130				
Barium	136	1.00	"	143		94.9	72.7-128				
Beryllium	89.4	0.100	"	98.3		90.9	74.6-125				
Cadmium	52.9	0.300	"	60.4		87.6	73.2-129				
Calcium	5450	5.00	"	6040		90.2	73.7-126				
Chromium	112	0.500	"	125		90.0	69.8-130				
Cobalt	157	0.500	"	163		96.6	74.2-125				
Copper	79.1	0.500	"	80.1		98.8	73.7-130				
Iron	12200	2.00	"	12900		94.6	32.3-168				
Lead	123	0.300	"	136		90.1	73.1-127				
Magnesium	2350	5.00	"	2640		89.2	64-136				
Manganese	267	0.500	"	279		95.7	74.2-126				
Nickel	130	0.500	"	128		102	73.1-130				
Potassium	2510	5.00	"	2820		88.9	62.1-138				
Selenium	81.7	1.00	"	85.9		95.1	63.9-136				
Silver	53.5	0.500	"	61.3		87.2	66.9-133				
Sodium	445	10.0	"	439		101	48.3-152				
Thallium	129	1.00	"	144		89.4	68.3-132				
Vanadium	95.9	1.00	"	104		92.2	66-134				
Zinc	179	1.00	"	204		87.5	69.6-133				



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI30971 - EPA 7473 soil</b>											
<b>Blank (BI30971-BLK1)</b>											
											Prepared & Analyzed: 09/22/2013
Mercury	ND	0.000800	mg/kg wet								
<b>Reference (BI30971-SRM1)</b>											
											Prepared & Analyzed: 09/22/2013
Mercury	3.59		mg/kg	3.73		96.3	68.6-131				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI30926 - Analysis Preparation Soil</b>											
<b>Blank (BI30926-BLK1)</b>											
Prepared & Analyzed: 09/20/2013											
Cyanide, total	ND	0.500	mg/kg wet								
<b>Reference (BI30926-SRM1)</b>											
Prepared & Analyzed: 09/20/2013											
Cyanide, total	67.5		ug/mL	59.3		114	38.4-202				



## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13I0630-01	CP-SB-7 (0.8-2.8')	8 oz. WM Clear Glass Cool to 4° C
13I0630-02	CP-SB-7 (8-10')	8 oz. WM Clear Glass Cool to 4° C
13I0630-03	CP-SB-7 (14-16')	8 oz. WM Clear Glass Cool to 4° C
13I0630-04	CP-SB-8 (2-4')	8 oz. WM Clear Glass Cool to 4° C
13I0630-05	CP-SB-8 (10-12')	8 oz. WM Clear Glass Cool to 4° C
13I0630-06	CP-SB-8 (14-16')	8 oz. WM Clear Glass Cool to 4° C

### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-LSRD	Original sample conc <50 X reporting limit.
M-HCSpk	Sample conc. >10 X spike conc.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
<hr/>	
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.

For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.



If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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# Field Chain-of-Custody Record

**NOTE:** York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 13E0630

<b>YOUR Information</b>		<b>Report To:</b>		<b>YOUR Project ID</b>		<b>Turn-Around Time</b>		<b>Report Type/Deliverables</b>	
Company <b>CHAREN</b>	Company <b>CHAREN</b>	Invoice To: <b>CHAREN</b>		91337.00		RUSH - Same Day		Summary Report	
Address:	Address:	Address:		530 West 28 <sup>th</sup> St		RUSH - Next Day		Summary w. QA Summary	
Phone No.	Phone No.	Phone No.		Purchase Order No.		RUSH - Two Day		CT RCP Package	
Attention:	Attention:	Attention:		P15126		RUSH - Three Day		NY ASP A Package	
E-Mail Address:	E-Mail Address:	E-Mail Address:		Samples from: CT NY NJ		RUSH - Four Day		NY ASP B Package	
				Standard(5-7 Days) <input checked="" type="checkbox"/>				Electronic Deliverables:	
								EDD (Specify Type)	
								Excel	

**Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

Matrix Codes:  
S - soil  
Other - specify on label  
WW - wastewater  
GW - groundwater  
DW - drinking water  
Air-A - ambient air  
Air-SV - soil vapor

Samples Collected/Authorized By (Signature)  
*[Signature]*  
Eric Orlovski  
Name (printed)

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below
CP-SB-7 (0.8-2.8')	9/16/13 0920	S	8260, 8270, TAL Metals + Cyanide
CP-SB-7 (8-10')	0940		
CP-SB-7 (14-16')	1015		
CP-SB-8 (2-4')	1505		
CP-SB-8 (10-12')	1850		
CP-SB-8 (14-16')	1920		

Comments	Preservation Check those Applicable	4°C <input checked="" type="checkbox"/> Frozen <input type="checkbox"/> HC1 <input type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/>	Temperature on Receipt 4.2 °C
	Samples Relinquished By <i>[Signature]</i>	Samples Received By <i>[Signature]</i>	Date/Time 9/17/13 1700
		Samples Relinquished By Date/Time	Samples Received in LAB by Date/Time



# Technical Report

prepared for:

**Chazen Environmental Services (Poughkeepsie)**

21 Fox Street

Poughkeepsie NY, 12601

**Attention: Eric Orlowski**

Report Date: 09/20/2013

**Client Project ID: 91337.00 530 West 28th St.**

York Project (SDG) No.: 1310486

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/20/2013  
Client Project ID: 91337.00 530 West 28th St.  
York Project (SDG) No.: 13I0486

**Chazen Environmental Services (Poughkeepsie)**  
21 Fox Street  
Poughkeepsie NY, 12601  
Attention: Eric Orlowski

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## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 13, 2013 and listed below. The project was identified as your project: **91337.00 530 West 28th St.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13I0486-01	CP-SB-2 (2-4')	Soil	09/12/2013	09/13/2013
13I0486-02	CP-SB-2 (14-16')	Soil	09/12/2013	09/13/2013
13I0486-03	CP-SB-3 (0-2')	Soil	09/10/2013	09/13/2013
13I0486-04	CP-SB-3 (10-12')	Soil	09/11/2013	09/13/2013
13I0486-05	CP-SB-3 (14-16')	Soil	09/11/2013	09/13/2013
13I0486-06	CP-MW-01	Water	09/11/2013	09/13/2013
13I0486-07	CP-MW-02	Water	09/12/2013	09/13/2013

## **General Notes for York Project (SDG) No.: 13I0486**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 09/20/2013

**YORK**



## Sample Information

**Client Sample ID:** CP-SB-2 (2-4')

**York Sample ID:** 1310486-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 12, 2013 8:45 am

09/13/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.099	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
67-64-1	Acetone	<b>0.048</b>		mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK



### Sample Information

**Client Sample ID:** CP-SB-2 (2-4')

**York Sample ID:** 1310486-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 12, 2013 8:45 am

09/13/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
91-20-3	Naphthalene	<b>0.0039</b>	J	mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0099	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK



## Sample Information

**Client Sample ID:** CP-SB-2 (2-4')

**York Sample ID:** 1310486-01

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

1310486

91337.00 530 West 28th St.

Soil

September 12, 2013 8:45 am

09/13/2013

### Volatile Organics, 8260 List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:14	BK
	<b>Surrogate Recoveries</b>	<b>Result</b>									
					<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %			72-137						
460-00-4	Surrogate: p-Bromofluorobenzene	93.9 %			72-138						
2037-26-5	Surrogate: Toluene-d8	99.0 %			85-118						

### Semi-Volatiles, 8270 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	2.27		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
208-96-8	Acenaphthylene	0.522	J	mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
62-53-3	Aniline	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
120-12-7	Anthracene	4.10		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
56-55-3	Benzo(a)anthracene	4.97		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
50-32-8	Benzo(a)pyrene	1.88		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
205-99-2	Benzo(b)fluoranthene	2.56		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
207-08-9	Benzo(k)fluoranthene	2.12		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
218-01-9	Chrysene	5.52		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
53-70-3	Dibenzo(a,h)anthracene	0.262	J	mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
132-64-9	Dibenzofuran	1.87		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR



## Sample Information

**Client Sample ID:** CP-SB-2 (2-4')

**York Sample ID:** 1310486-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 12, 2013 8:45 am

09/13/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.979	1.95	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.979	1.95	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
206-44-0	Fluoranthene	<b>14.0</b>		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
86-73-7	Fluorene	<b>1.79</b>		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
193-39-5	Indeno(1,2,3-cd)pyrene	<b>0.504</b>	J	mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
78-59-1	Isophorone	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
91-57-6	2-Methylnaphthalene	<b>0.862</b>	J	mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
91-20-3	Naphthalene	<b>1.56</b>		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR



## Sample Information

**Client Sample ID:** CP-SB-2 (2-4')

**York Sample ID:** 1310486-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 12, 2013 8:45 am

09/13/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.492	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
85-01-8	Phenanthrene	<b>16.9</b>		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
108-95-2	Phenol	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
129-00-0	Pyrene	<b>11.3</b>		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
110-86-1	Pyridine	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.246	0.977	5	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:13	SR
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
5175-83-7	Surrogate: 2,4,6-Tribromophenol	63.6 %	10-142								
321-60-8	Surrogate: 2-Fluorobiphenyl	72.2 %	10-111								
367-12-4	Surrogate: 2-Fluorophenol	74.5 %	10-109								
4165-60-0	Surrogate: Nitrobenzene-d5	65.2 %	10-148								
4165-62-2	Surrogate: Phenol-d5	65.3 %	10-124								
1718-51-0	Surrogate: Terphenyl-d14	63.5 %	10-147								

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	<b>4620</b>		mg/kg dry	1.17	1.17	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-36-0	Antimony	<b>3.90</b>		mg/kg dry	0.586	0.586	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-38-2	Arsenic	<b>14.7</b>		mg/kg dry	1.17	1.17	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-39-3	Barium	<b>957</b>		mg/kg dry	1.17	1.17	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.117	0.117	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.352	0.352	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-70-2	Calcium	<b>17300</b>		mg/kg dry	0.586	5.86	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-47-3	Chromium	<b>13.4</b>		mg/kg dry	0.586	0.586	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-48-4	Cobalt	<b>13.1</b>		mg/kg dry	0.586	0.586	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-50-8	Copper	<b>162</b>		mg/kg dry	0.586	0.586	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7439-89-6	Iron	<b>68200</b>		mg/kg dry	234	234	100	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7439-92-1	Lead	<b>13400</b>		mg/kg dry	35.2	35.2	100	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7439-95-4	Magnesium	<b>2010</b>		mg/kg dry	5.86	5.86	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7439-96-5	Manganese	<b>455</b>		mg/kg dry	0.586	0.586	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-02-0	Nickel	<b>26.3</b>		mg/kg dry	0.586	0.586	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW



### Sample Information

Client Sample ID: CP-SB-2 (2-4')

York Sample ID: 1310486-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 12, 2013 8:45 am

09/13/2013

#### Metals, Target Analyte

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	1110		mg/kg dry	5.86	5.86	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7782-49-2	Selenium	ND		mg/kg dry	1.17	1.17	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-22-4	Silver	ND		mg/kg dry	0.586	0.586	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-23-5	Sodium	594		mg/kg dry	11.7	11.7	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-28-0	Thallium	ND		mg/kg dry	1.17	1.17	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-62-2	Vanadium	15.7		mg/kg dry	1.17	1.17	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW
7440-66-6	Zinc	900		mg/kg dry	1.17	1.17	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:05	MW

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	6.01		mg/kg dry	0.000938	0.000938	1	EPA SW846-7473	09/17/2013 10:12	09/17/2013 13:39	AAkba

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	85.3		%	0.100	0.100	1	SM 2540G	09/18/2013 15:33	09/18/2013 15:33	AD

#### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.586		mg/kg dry	0.586	0.586	1	EPA 9014/9010C	09/20/2013 08:24	09/20/2013 15:49	BGS

### Sample Information

Client Sample ID: CP-SB-2 (14-16')

York Sample ID: 1310486-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 12, 2013 10:05 am

09/13/2013

#### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS



## Sample Information

**Client Sample ID:** CP-SB-2 (14-16')

**York Sample ID:** 1310486-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 12, 2013 10:05 am

09/13/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.038	0.076	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
67-64-1	Acetone	<b>0.037</b>	B	mg/kg dry	0.0019	0.0076	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS



## Sample Information

**Client Sample ID:** CP-SB-2 (14-16')

**York Sample ID:** 1310486-02

York Project (SDG) No.

Client Project ID

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1310486

91337.00 530 West 28th St.

Soil

September 12, 2013 10:05 am

09/13/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
156-59-2	cis-1,2-Dichloroethylene	<b>0.0071</b>		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	<b>0.0070</b>		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0019	0.0076	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.0019	0.0076	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0038	0.0076	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0057	0.011	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 12:36	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %		72-137							
460-00-4	Surrogate: p-Bromofluorobenzene	104 %		72-138							
2037-26-5	Surrogate: Toluene-d8	98.1 %		85-118							



## Sample Information

**Client Sample ID:** CP-SB-2 (14-16')

**York Sample ID:** 1310486-02

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1310486

91337.00 530 West 28th St.

Soil

September 12, 2013 10:05 am

09/13/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
62-53-3	Aniline	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.207	0.412	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR



## Sample Information

**Client Sample ID:** CP-SB-2 (14-16')

**York Sample ID:** 1310486-02

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1310486

91337.00 530 West 28th St.

Soil

September 12, 2013 10:05 am

09/13/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.207	0.413	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.104	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
85-01-8	Phenanthrene	<b>0.0611</b>	J	mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
108-95-2	Phenol	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
110-86-1	Pyridine	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR



### Sample Information

**Client Sample ID:** CP-SB-2 (14-16')

**York Sample ID:** 1310486-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 12, 2013 10:05 am

09/13/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0520	0.206	1	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 03:43	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>									
5175-83-7	Surrogate: 2,4,6-Tribromophenol	55.5 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	66.8 %									
367-12-4	Surrogate: 2-Fluorophenol	70.7 %									
4165-60-0	Surrogate: Nitrobenzene-d5	73.0 %									
4165-62-2	Surrogate: Phenol-d5	81.2 %									
1718-51-0	Surrogate: Terphenyl-d14	65.2 %									
											<b>Acceptance Range</b>
											10-142
											10-111
											10-109
											10-148
											10-124
											10-147

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11000		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-36-0	Antimony	ND		mg/kg dry	0.619	0.619	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-38-2	Arsenic	3.02		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-39-3	Barium	53.0		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.124	0.124	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.372	0.372	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-70-2	Calcium	1380		mg/kg dry	0.619	6.19	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-47-3	Chromium	16.6		mg/kg dry	0.619	0.619	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-48-4	Cobalt	10.6		mg/kg dry	0.619	0.619	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-50-8	Copper	29.0		mg/kg dry	0.619	0.619	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7439-89-6	Iron	26000		mg/kg dry	2.48	2.48	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7439-92-1	Lead	12.7		mg/kg dry	0.372	0.372	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7439-95-4	Magnesium	3940		mg/kg dry	6.19	6.19	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7439-96-5	Manganese	863		mg/kg dry	0.619	0.619	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-02-0	Nickel	27.5		mg/kg dry	0.619	0.619	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-09-7	Potassium	1350		mg/kg dry	6.19	6.19	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7782-49-2	Selenium	1.47		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-22-4	Silver	ND		mg/kg dry	0.619	0.619	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-23-5	Sodium	379		mg/kg dry	12.4	12.4	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-28-0	Thallium	ND		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-62-2	Vanadium	23.4		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW
7440-66-6	Zinc	59.5		mg/kg dry	1.24	1.24	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:13	MW



### Sample Information

Client Sample ID: CP-SB-2 (14-16')

York Sample ID: 1310486-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 12, 2013 10:05 am

09/13/2013

#### Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0124		mg/kg dry	0.000991	0.000991	1	EPA SW846-7473	09/17/2013 10:12	09/17/2013 14:07	AAkba

#### Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	80.8		%	0.100	0.100	1	SM 2540G	09/19/2013 15:36	09/19/2013 15:36	AD

#### Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.619	0.619	1	EPA 9014/9010C	09/20/2013 08:24	09/20/2013 15:49	BGS

### Sample Information

Client Sample ID: CP-SB-3 (0-2')

York Sample ID: 1310486-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 10, 2013 11:30 am

09/13/2013

#### Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK



## Sample Information

**Client Sample ID:** CP-SB-3 (0-2')

**York Sample ID:** 1310486-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 10, 2013 11:30 am

09/13/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
78-93-3	2-Butanone	<b>0.0034</b>	J	mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
67-64-1	Acetone	<b>0.083</b>		mg/kg dry	0.0023	0.0092	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK



## Sample Information

**Client Sample ID:** CP-SB-3 (0-2')

**York Sample ID:** 1310486-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 10, 2013 11:30 am

09/13/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0023	0.0092	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
91-20-3	Naphthalene	ND		mg/kg dry	0.0023	0.0092	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/17/2013 08:19	09/17/2013 12:49	BK
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	72-137								
460-00-4	Surrogate: p-Bromofluorobenzene	97.1 %	72-138								
2037-26-5	Surrogate: Toluene-d8	97.1 %	85-118								

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
62-53-3	Aniline	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
120-12-7	Anthracene	<b>3.66</b>	J	mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
56-55-3	Benzo(a)anthracene	<b>5.50</b>	J	mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
50-32-8	Benzo(a)pyrene	<b>3.02</b>	J	mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR



## Sample Information

**Client Sample ID:** CP-SB-3 (0-2')

**York Sample ID:** 1310486-03

York Project (SDG) No.

1310486

Client Project ID

91337.00 530 West 28th St.

Matrix

Soil

Collection Date/Time

September 10, 2013 11:30 am

Date Received

09/13/2013

### Semi-Volatiles, 8270 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	2.88	J	mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
207-08-9	Benzo(k)fluoranthene	3.12	J	mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
218-01-9	Chrysene	4.55	J	mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	9.13	18.2	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
51-28-5	2,4-Dinitrophenol	13.3	J	mg/kg dry	9.13	18.2	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR



## Sample Information

**Client Sample ID:** CP-SB-3 (0-2')

**York Sample ID:** 1310486-03

York Project (SDG) No.

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1310486

91337.00 530 West 28th St.

Soil

September 10, 2013 11:30 am

09/13/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	11.3		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
86-73-7	Fluorene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
78-59-1	Isophorone	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
91-20-3	Naphthalene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	4.59	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
85-01-8	Phenanthrene	10.3		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
108-95-2	Phenol	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
129-00-0	Pyrene	9.82		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
110-86-1	Pyridine	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	2.30	9.11	10	EPA SW-846 8270C	09/16/2013 07:34	09/17/2013 04:13	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>		<b>Acceptance Range</b>							
5175-83-7	Surrogate: 2,4,6-Tribromophenol	1.91 %	S-06	10-142							
321-60-8	Surrogate: 2-Fluorobiphenyl	67.0 %		10-111							
367-12-4	Surrogate: 2-Fluorophenol	18.8 %		10-109							



### Sample Information

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**York Sample ID:** 1310486-03

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1310486

91337.00 530 West 28th St.

Soil

September 10, 2013 11:30 am

09/13/2013

**Semi-Volatiles, 8270 Target List**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: Nitrobenzene-d5	%	S-06		10-148						
4165-62-2	Surrogate: Phenol-d5	36.5 %			10-124						
1718-51-0	Surrogate: Terphenyl-d14	83.3 %			10-147						

**Metals, Target Analyte**

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6020		mg/kg dry	1.09	1.09	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-36-0	Antimony	ND		mg/kg dry	0.547	0.547	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-38-2	Arsenic	4.73		mg/kg dry	1.09	1.09	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-39-3	Barium	102		mg/kg dry	1.09	1.09	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.109	0.109	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.328	0.328	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-70-2	Calcium	42500		mg/kg dry	0.547	5.47	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-47-3	Chromium	18.1		mg/kg dry	0.547	0.547	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-48-4	Cobalt	4.99		mg/kg dry	0.547	0.547	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-50-8	Copper	41.5		mg/kg dry	0.547	0.547	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7439-89-6	Iron	18200		mg/kg dry	2.19	2.19	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7439-92-1	Lead	145		mg/kg dry	0.328	0.328	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7439-95-4	Magnesium	6300		mg/kg dry	5.47	5.47	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7439-96-5	Manganese	237		mg/kg dry	0.547	0.547	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-02-0	Nickel	18.7		mg/kg dry	0.547	0.547	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-09-7	Potassium	1250		mg/kg dry	5.47	5.47	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7782-49-2	Selenium	1.36		mg/kg dry	1.09	1.09	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-22-4	Silver	ND		mg/kg dry	0.547	0.547	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-23-5	Sodium	631		mg/kg dry	10.9	10.9	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-28-0	Thallium	ND		mg/kg dry	1.09	1.09	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-62-2	Vanadium	24.7		mg/kg dry	1.09	1.09	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW
7440-66-6	Zinc	132		mg/kg dry	1.09	1.09	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:17	MW



### Sample Information

Client Sample ID: CP-SB-3 (0-2')

York Sample ID: 1310486-03

York Project (SDG) No.

Client Project ID

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1310486

91337.00 530 West 28th St.

Soil

September 10, 2013 11:30 am

09/13/2013

#### Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.706		mg/kg dry	0.000874	0.000874	1	EPA SW846-7473	09/17/2013 10:12	09/17/2013 15:36	AAkba

#### Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	91.5		%	0.100	0.100	1	SM 2540G	09/19/2013 15:36	09/19/2013 15:36	AD

#### Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.547	0.547	1	EPA 9014/9010C	09/20/2013 08:24	09/20/2013 15:49	BGS

### Sample Information

Client Sample ID: CP-SB-3 (10-12')

York Sample ID: 1310486-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 11, 2013 11:40 am

09/13/2013

#### Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
75-34-3	1,1-Dichloroethane	0.0047		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
95-63-6	1,2,4-Trimethylbenzene	0.025		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK



## Sample Information

**Client Sample ID:** CP-SB-3 (10-12')

**York Sample ID:** 1310486-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 11, 2013 11:40 am

09/13/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
78-93-3	2-Butanone	<b>0.034</b>		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
67-64-1	Acetone	<b>0.13</b>		mg/kg dry	0.0023	0.0092	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
156-59-2	cis-1,2-Dichloroethylene	<b>0.035</b>		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
100-41-4	Ethyl Benzene	<b>0.019</b>		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
98-82-8	Isopropylbenzene	<b>0.016</b>		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	<b>0.022</b>		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0023	0.0092	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK



### Sample Information

**Client Sample ID:** CP-SB-3 (10-12')

**York Sample ID:** 1310486-04

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1310486

91337.00 530 West 28th St.

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September 11, 2013 11:40 am

09/13/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		mg/kg dry	0.0023	0.0092	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
104-51-8	n-Butylbenzene	0.036		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
103-65-1	n-Propylbenzene	0.027		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
95-47-6	o-Xylene	0.0078		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
179601-23-1	p- & m- Xylenes	0.040		mg/kg dry	0.0046	0.0092	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
99-87-6	p-Isopropyltoluene	0.0060		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
135-98-8	sec-Butylbenzene	0.040		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
98-06-6	tert-Butylbenzene	0.0066		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
127-18-4	Tetrachloroethylene	0.017		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
108-88-3	Toluene	0.013		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
79-01-6	Trichloroethylene	0.013		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
1330-20-7	Xylenes, Total	0.048		mg/kg dry	0.0069	0.014	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/18/2013 08:55	09/18/2013 16:40	BK
<b>Surrogate Recoveries</b>		<b>Result</b>		<b>Acceptance Range</b>							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	126 %		72-137							
460-00-4	Surrogate: p-Bromofluorobenzene	53.0 %	S-04	72-138							
2037-26-5	Surrogate: Toluene-d8	157 %	S-04	85-118							

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
62-53-3	Aniline	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
120-12-7	Anthracene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR



### Sample Information

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09/13/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-51-6	Benzyl alcohol	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
218-01-9	Chrysene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	47.9	95.4	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	47.9	95.5	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
206-44-0	Fluoranthene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
86-73-7	Fluorene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR



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09/13/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
78-59-1	Isophorone	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
91-20-3	Naphthalene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	24.1	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
85-01-8	Phenanthrene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
108-95-2	Phenol	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
129-00-0	Pyrene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
110-86-1	Pyridine	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	12.0	47.8	50	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:12	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	%	S-06		10-142						
321-60-8	Surrogate: 2-Fluorobiphenyl	105 %	S-06		10-111						
367-12-4	Surrogate: 2-Fluorophenol	%	S-06		10-109						
4165-60-0	Surrogate: Nitrobenzene-d5	24.6 %	S-06		10-148						
4165-62-2	Surrogate: Phenol-d5	26.6 %	S-06		10-124						
1718-51-0	Surrogate: Terphenyl-d14	167 %	S-06		10-147						



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September 11, 2013 11:40 am

09/13/2013

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6740		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-36-0	Antimony	ND		mg/kg dry	0.573	0.573	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-38-2	Arsenic	1.80		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-39-3	Barium	53.3		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.344	0.344	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-70-2	Calcium	1220		mg/kg dry	0.573	5.73	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-47-3	Chromium	12.5		mg/kg dry	0.573	0.573	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-48-4	Cobalt	8.03		mg/kg dry	0.573	0.573	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-50-8	Copper	45.7		mg/kg dry	0.573	0.573	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7439-89-6	Iron	20100		mg/kg dry	2.29	2.29	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7439-92-1	Lead	197		mg/kg dry	0.344	0.344	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7439-95-4	Magnesium	2550		mg/kg dry	5.73	5.73	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7439-96-5	Manganese	351		mg/kg dry	0.573	0.573	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-02-0	Nickel	20.6		mg/kg dry	0.573	0.573	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-09-7	Potassium	1150		mg/kg dry	5.73	5.73	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7782-49-2	Selenium	ND		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-22-4	Silver	ND		mg/kg dry	0.573	0.573	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-23-5	Sodium	296		mg/kg dry	11.5	11.5	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-62-2	Vanadium	14.2		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW
7440-66-6	Zinc	68.0		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:22	MW

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.182		mg/kg dry	0.000917	0.000917	1	EPA SW846-7473	09/17/2013 10:12	09/17/2013 16:03	AAkba



### Sample Information

**Client Sample ID:** CP-SB-3 (10-12')

**York Sample ID:** 1310486-04

York Project (SDG) No.

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September 11, 2013 11:40 am

09/13/2013

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	87.2		%	0.100	0.100	1	SM 2540G	09/19/2013 15:36	09/19/2013 15:36	AD

#### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.573	0.573	1	EPA 9014/9010C	09/20/2013 08:24	09/20/2013 15:49	BGS

### Sample Information

**Client Sample ID:** CP-SB-3 (14-16')

**York Sample ID:** 1310486-05

York Project (SDG) No.

Client Project ID

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09/13/2013

#### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS



### Sample Information

**Client Sample ID:** CP-SB-3 (14-16')

**York Sample ID:** 1310486-05

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09/13/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.094	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
78-93-3	2-Butanone	<b>0.0027</b>	J	mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
67-64-1	Acetone	<b>0.041</b>	B	mg/kg dry	0.0023	0.0094	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
156-59-2	cis-1,2-Dichloroethylene	<b>0.015</b>		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0023	0.0094	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.0023	0.0094	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS



## Sample Information

**Client Sample ID:** CP-SB-3 (14-16')

**York Sample ID:** 1310486-05

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09/13/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0094	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA SW846-8260B	09/16/2013 08:12	09/16/2013 14:35	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			72-137						
460-00-4	Surrogate: p-Bromofluorobenzene	98.2 %			72-138						
2037-26-5	Surrogate: Toluene-d8	97.1 %			85-118						

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
62-53-3	Aniline	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
120-12-7	Anthracene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR



### Sample Information

**Client Sample ID:** CP-SB-3 (14-16')

**York Sample ID:** 1310486-05

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09/13/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
218-01-9	Chrysene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	5.08	10.1	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	5.08	10.1	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
206-44-0	Fluoranthene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
86-73-7	Fluorene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR



## Sample Information

**Client Sample ID:** CP-SB-3 (14-16')

**York Sample ID:** 13I0486-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13I0486

91337.00 530 West 28th St.

Soil

September 11, 2013 11:55 am

09/13/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
78-59-1	Isophorone	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
91-20-3	Naphthalene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	2.56	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
85-01-8	Phenanthrene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
108-95-2	Phenol	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
129-00-0	Pyrene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
110-86-1	Pyridine	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	1.28	5.07	25	EPA SW-846 8270C	09/16/2013 07:34	09/18/2013 00:43	SR

**Surrogate Recoveries**

**Result**

**Acceptance Range**

5175-83-7	Surrogate: 2,4,6-Tribromophenol	37.3 %	10-142
321-60-8	Surrogate: 2-Fluorobiphenyl	69.5 %	10-111
367-12-4	Surrogate: 2-Fluorophenol	49.3 %	10-109
4165-60-0	Surrogate: Nitrobenzene-d5	42.8 %	10-148
4165-62-2	Surrogate: Phenol-d5	49.5 %	10-124
1718-51-0	Surrogate: Terphenyl-d14	74.5 %	10-147



### Sample Information

**Client Sample ID:** CP-SB-3 (14-16')

**York Sample ID:** 1310486-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 11, 2013 11:55 am

09/13/2013

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8030		mg/kg dry	1.22	1.22	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-36-0	Antimony	ND		mg/kg dry	0.609	0.609	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-38-2	Arsenic	2.23		mg/kg dry	1.22	1.22	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-39-3	Barium	48.8		mg/kg dry	1.22	1.22	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.122	0.122	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.365	0.365	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-70-2	Calcium	1050		mg/kg dry	0.609	6.09	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-47-3	Chromium	12.6		mg/kg dry	0.609	0.609	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-48-4	Cobalt	7.57		mg/kg dry	0.609	0.609	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-50-8	Copper	37.1		mg/kg dry	0.609	0.609	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7439-89-6	Iron	19800		mg/kg dry	2.44	2.44	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7439-92-1	Lead	143		mg/kg dry	0.365	0.365	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7439-95-4	Magnesium	2840		mg/kg dry	6.09	6.09	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7439-96-5	Manganese	315		mg/kg dry	0.609	0.609	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-02-0	Nickel	19.2		mg/kg dry	0.609	0.609	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-09-7	Potassium	1230		mg/kg dry	6.09	6.09	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7782-49-2	Selenium	ND		mg/kg dry	1.22	1.22	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-22-4	Silver	ND		mg/kg dry	0.609	0.609	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-23-5	Sodium	298		mg/kg dry	12.2	12.2	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-28-0	Thallium	ND		mg/kg dry	1.22	1.22	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-62-2	Vanadium	15.2		mg/kg dry	1.22	1.22	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW
7440-66-6	Zinc	59.4		mg/kg dry	1.22	1.22	1	EPA SW846-6010B	09/16/2013 08:47	09/16/2013 11:27	MW

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.110		mg/kg dry	0.000974	0.000974	1	EPA SW846-7473	09/17/2013 10:12	09/17/2013 16:10	AAkba



### Sample Information

**Client Sample ID:** CP-SB-3 (14-16')

**York Sample ID:** 1310486-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Soil

September 11, 2013 11:55 am

09/13/2013

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	82.1		%	0.100	0.100	1	SM 2540G	09/19/2013 15:36	09/19/2013 15:36	AD

#### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.609	0.609	1	EPA 9014/9010C	09/19/2013 08:25	09/19/2013 14:28	BGS

### Sample Information

**Client Sample ID:** CP-MW-01

**York Sample ID:** 1310486-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Water

September 11, 2013 7:50 pm

09/13/2013

#### Volatile Organics, 8260 List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
75-34-3	1,1-Dichloroethane	6.2		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS



## Sample Information

**Client Sample ID:** CP-MW-01

**York Sample ID:** 1310486-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Water

September 11, 2013 7:50 pm

09/13/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
78-93-3	2-Butanone	3.1	J	ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
67-64-1	Acetone	9.8		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
156-59-2	cis-1,2-Dichloroethylene	24		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	15		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS



### Sample Information

**Client Sample ID:** CP-MW-01

**York Sample ID:** 1310486-06

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Matrix

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1310486

91337.00 530 West 28th St.

Water

September 11, 2013 7:50 pm

09/13/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
75-01-4	Vinyl Chloride	3.0	J	ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:13	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			78-122						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %			87-112						
2037-26-5	Surrogate: Toluene-d8	95.6 %			91-110						

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes: EXT-D, EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	17.7	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
208-96-8	Acenaphthylene	ND		ug/L	17.4	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
62-53-3	Aniline	ND		ug/L	15.0	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
120-12-7	Anthracene	ND		ug/L	11.9	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	13.1	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	13.0	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	14.1	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	17.1	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	18.3	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
100-51-6	Benzyl alcohol	ND		ug/L	14.5	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	8.52	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR



### Sample Information

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Matrix

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1310486

91337.00 530 West 28th St.

Water

September 11, 2013 7:50 pm

09/13/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes: EXT-D, EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	13.3	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	18.9	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
106-47-8	4-Chloroaniline	ND		ug/L	29.8	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	17.7	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	15.0	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	29.9	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	22.0	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
95-57-8	2-Chlorophenol	ND		ug/L	17.9	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	24.5	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
218-01-9	Chrysene	ND		ug/L	14.7	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	15.6	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
132-64-9	Dibenzofuran	ND		ug/L	24.1	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	20.5	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	22.1	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	26.1	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	24.9	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	12.7	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	18.9	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
84-66-2	Diethyl phthalate	ND		ug/L	25.6	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	16.0	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
131-11-3	Dimethyl phthalate	ND		ug/L	19.1	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	16.2	100	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	22.5	100	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	16.1	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	16.1	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	11.2	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	47.8	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
206-44-0	Fluoranthene	ND		ug/L	12.4	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
86-73-7	Fluorene	ND		ug/L	18.3	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
118-74-1	Hexachlorobenzene	ND		ug/L	12.7	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	27.9	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	25.3	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR



## Sample Information

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Matrix

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1310486

91337.00 530 West 28th St.

Water

September 11, 2013 7:50 pm

09/13/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes: EXT-D, EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-72-1	Hexachloroethane	ND		ug/L	30.4	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	17.0	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
78-59-1	Isophorone	ND		ug/L	26.8	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	27.6	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
95-48-7	2-Methylphenol	ND		ug/L	11.6	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	11.2	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
91-20-3	Naphthalene	ND		ug/L	19.9	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
100-01-6	4-Nitroaniline	ND		ug/L	26.8	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
99-09-2	3-Nitroaniline	ND		ug/L	16.8	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
88-74-4	2-Nitroaniline	ND		ug/L	16.8	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
98-95-3	Nitrobenzene	ND		ug/L	16.9	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
100-02-7	4-Nitrophenol	ND		ug/L	16.6	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
88-75-5	2-Nitrophenol	ND		ug/L	23.6	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	25.6	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	3.89	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	50.0	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
87-86-5	Pentachlorophenol	ND		ug/L	14.5	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
85-01-8	Phenanthrene	ND		ug/L	13.7	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
108-95-2	Phenol	ND		ug/L	11.0	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
129-00-0	Pyrene	ND		ug/L	17.3	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
110-86-1	Pyridine	ND		ug/L	39.1	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	24.7	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	19.1	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	17.5	50.0	1	EPA 8270C	09/16/2013 14:27	09/17/2013 11:59	SR

**Surrogate Recoveries**

**Result**

**Acceptance Range**

5175-83-7	Surrogate: 2,4,6-Tribromophenol	104 %	17-127
321-60-8	Surrogate: 2-Fluorobiphenyl	76.1 %	14-101
367-12-4	Surrogate: 2-Fluorophenol	30.3 %	10-52
4165-60-0	Surrogate: Nitrobenzene-d5	92.1 %	12-112
4165-62-2	Surrogate: Phenol-d5	19.1 %	10-117
1718-51-0	Surrogate: Terphenyl-d14	94.1 %	10-151



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Water

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09/13/2013

**Metals, Dissolved - Target Analyte (TAL)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-39-3	Barium	0.141		mg/L	0.010	0.010	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-70-2	Calcium	77.2		mg/L	0.050	0.050	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7439-89-6	Iron	0.037		mg/L	0.020	0.020	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7439-92-1	Lead	0.005		mg/L	0.003	0.003	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7439-95-4	Magnesium	34.3		mg/L	0.050	0.050	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7439-96-5	Manganese	2.43		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-02-0	Nickel	0.010		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-09-7	Potassium	34.2		mg/L	0.050	0.050	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-23-5	Sodium	74.2		mg/L	0.100	0.100	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:46	MW

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	124		mg/L	0.010	0.010	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 17:56	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 17:56	MW
7440-38-2	Arsenic	0.060		mg/L	0.004	0.004	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 17:56	MW
7440-39-3	Barium	2.40		mg/L	0.010	0.010	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 17:56	MW
7440-41-7	Beryllium	0.004		mg/L	0.001	0.001	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 17:56	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 17:56	MW
7440-70-2	Calcium	170		mg/L	0.050	0.050	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 17:56	MW
7440-47-3	Chromium	0.368		mg/L	0.005	0.005	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 17:56	MW
7440-48-4	Cobalt	0.134		mg/L	0.005	0.005	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 17:56	MW



Sample Information

Client Sample ID: CP-MW-01

York Sample ID: 1310486-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Water

September 11, 2013 7:50 pm

09/13/2013

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Copper (0.681), Iron (258), Lead (9.99), Magnesium (71.1), Manganese (16.4), Nickel (0.332), Potassium (51.8), Selenium (0.019), Silver (ND), Sodium (75.5), Thallium (ND), Vanadium (0.379), Zinc (1.31).

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Mercury (ND).

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Mercury (ND).

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, MDL, RL, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row: Cyanide, total (ND).

Sample Information

Client Sample ID: CP-MW-02

York Sample ID: 1310486-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Water

September 12, 2013 8:20 am

09/13/2013

Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:



## Sample Information

**Client Sample ID:** CP-MW-02

**York Sample ID:** 13I0486-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13I0486

91337.00 530 West 28th St.

Water

September 12, 2013 8:20 am

09/13/2013

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
95-49-8	2-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
106-43-4	4-Chlorotoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
67-64-1	Acetone	14		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
108-86-1	Bromobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS



### Sample Information

**Client Sample ID:** CP-MW-02

**York Sample ID:** 1310486-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Water

September 12, 2013 8:20 am

09/13/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
156-59-2	cis-1,2-Dichloroethylene	20		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
74-95-3	Dibromomethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	7.8		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
75-09-2	Methylene chloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
91-20-3	Naphthalene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
104-51-8	n-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
103-65-1	n-Propylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
135-98-8	sec-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
98-06-6	tert-Butylbenzene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS
108-05-4	Vinyl acetate	ND		ug/L	2.5	5.0	1	EPA SW846-8260B	09/16/2013 07:55	09/16/2013 16:48	SS



### Sample Information

**Client Sample ID:** CP-MW-02

**York Sample ID:** 1310486-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Water

September 12, 2013 8:20 am

09/13/2013

#### Volatile Organics, 8260 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	<b>Surrogate Recoveries</b>	<b>Result</b>									
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %			78-122						
460-00-4	Surrogate: p-Bromofluorobenzene	95.8 %			87-112						
2037-26-5	Surrogate: Toluene-d8	93.0 %			91-110						

#### Semi-Volatiles, 8270 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	2.53	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
208-96-8	Acenaphthylene	ND		ug/L	2.49	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
62-53-3	Aniline	ND		ug/L	2.14	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
120-12-7	Anthracene	ND		ug/L	1.70	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.87	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.86	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	2.01	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	2.44	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.61	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.07	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	1.22	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.90	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
106-47-8	4-Chloroaniline	ND		ug/L	4.26	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.53	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.14	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	4.27	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	3.14	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.56	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.50	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
218-01-9	Chrysene	ND		ug/L	2.10	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	2.23	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
132-64-9	Dibenzofuran	ND		ug/L	3.44	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.93	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.16	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.73	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR



## Sample Information

**Client Sample ID:** CP-MW-02

**York Sample ID:** 1310486-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Water

September 12, 2013 8:20 am

09/13/2013

### Semi-Volatiles, 8270 Target List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.56	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.81	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.66	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.29	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.73	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.31	14.3	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.21	14.3	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.30	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.30	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.60	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	6.83	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
206-44-0	Fluoranthene	ND		ug/L	1.77	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
86-73-7	Fluorene	ND		ug/L	2.61	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.81	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	3.99	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.61	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
67-72-1	Hexachloroethane	ND		ug/L	4.34	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.43	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
78-59-1	Isophorone	ND		ug/L	3.83	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	3.94	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
95-48-7	2-Methylphenol	ND		ug/L	1.66	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.60	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
91-20-3	Naphthalene	ND		ug/L	2.84	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.83	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.40	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.40	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
98-95-3	Nitrobenzene	ND		ug/L	2.41	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
100-02-7	4-Nitrophenol	ND		ug/L	2.37	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.37	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.66	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR



### Sample Information

**Client Sample ID:** CP-MW-02

**York Sample ID:** 1310486-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Water

September 12, 2013 8:20 am

09/13/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	7.14	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
87-86-5	Pentachlorophenol	ND		ug/L	2.07	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
85-01-8	Phenanthrene	ND		ug/L	1.96	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
108-95-2	Phenol	ND		ug/L	1.57	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
129-00-0	Pyrene	ND		ug/L	2.47	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
110-86-1	Pyridine	ND		ug/L	5.59	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.53	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.73	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	7.14	1	EPA 8270C	09/16/2013 14:27	09/17/2013 12:29	SR

**Surrogate Recoveries**

**Result**

**Acceptance Range**

5175-83-7	Surrogate: 2,4,6-Tribromophenol	103 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	69.4 %									
367-12-4	Surrogate: 2-Fluorophenol	33.6 %									
4165-60-0	Surrogate: Nitrobenzene-d5	83.7 %									
4165-62-2	Surrogate: Phenol-d5	22.9 %									
1718-51-0	Surrogate: Terphenyl-d14	84.9 %									

17-127

14-101

10-52

12-112

10-117

10-151

**Metals, Dissolved - Target Analyte (TAL)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-39-3	Barium	<b>0.174</b>		mg/L	0.010	0.010	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-70-2	Calcium	<b>136</b>		mg/L	0.050	0.050	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7439-89-6	Iron	<b>0.030</b>		mg/L	0.020	0.020	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7439-95-4	Magnesium	<b>43.3</b>		mg/L	0.050	0.050	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7439-96-5	Manganese	<b>2.75</b>		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-02-0	Nickel	<b>0.018</b>		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW



### Sample Information

**Client Sample ID:** CP-MW-02

**York Sample ID:** 1310486-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Water

September 12, 2013 8:20 am

09/13/2013

**Metals, Dissolved - Target Analyte (TAL)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	32.4		mg/L	0.050	0.050	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7782-49-2	Selenium	0.014		mg/L	0.010	0.010	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-23-5	Sodium	119		mg/L	0.100	0.100	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:51	MW

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6.11		mg/L	0.010	0.010	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-38-2	Arsenic	0.004		mg/L	0.004	0.004	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-39-3	Barium	0.265		mg/L	0.010	0.010	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-70-2	Calcium	141		mg/L	0.050	0.050	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-47-3	Chromium	0.028		mg/L	0.005	0.005	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-48-4	Cobalt	0.009		mg/L	0.005	0.005	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-50-8	Copper	0.016		mg/L	0.003	0.003	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7439-89-6	Iron	10.3		mg/L	0.020	0.020	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7439-92-1	Lead	0.031		mg/L	0.003	0.003	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7439-95-4	Magnesium	47.9		mg/L	0.050	0.050	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7439-96-5	Manganese	3.02		mg/L	0.005	0.005	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-02-0	Nickel	0.038		mg/L	0.005	0.005	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-09-7	Potassium	37.1		mg/L	0.050	0.050	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-23-5	Sodium	125		mg/L	0.100	0.100	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-62-2	Vanadium	0.020		mg/L	0.010	0.010	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW
7440-66-6	Zinc	0.047		mg/L	0.010	0.010	1	EPA 200.7/6010B	09/16/2013 14:11	09/16/2013 18:13	MW



**Sample Information**

**Client Sample ID:** CP-MW-02

**York Sample ID:** 1310486-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310486

91337.00 530 West 28th St.

Water

September 12, 2013 8:20 am

09/13/2013

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.0500	0.0500	1	EPA SW846-7473	09/16/2013 10:27	09/16/2013 13:23	AAkba

**Mercury by 7473, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.05000	0.05000	1	EPA SW846-7473	09/16/2013 10:27	09/16/2013 13:23	AAkba

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	0.0100	1	SM 4500 CN C/E	09/17/2013 08:24	09/17/2013 17:01	AD



## Analytical Batch Summary

**Batch ID:** BI30631      **Preparation Method:** EPA 3550B      **Prepared By:** CC

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-01	CP-SB-2 (2-4')	09/16/13
13I0486-02	CP-SB-2 (14-16')	09/16/13
13I0486-03	CP-SB-3 (0-2')	09/16/13
13I0486-04	CP-SB-3 (10-12')	09/16/13
13I0486-05	CP-SB-3 (14-16')	09/16/13
BI30631-BLK1	Blank	09/16/13
BI30631-BS1	LCS	09/16/13
BI30631-BSD1	LCS Dup	09/16/13

**Batch ID:** BI30647      **Preparation Method:** EPA 3050B      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-01	CP-SB-2 (2-4')	09/16/13
13I0486-02	CP-SB-2 (14-16')	09/16/13
13I0486-03	CP-SB-3 (0-2')	09/16/13
13I0486-04	CP-SB-3 (10-12')	09/16/13
13I0486-05	CP-SB-3 (14-16')	09/16/13
BI30647-BLK1	Blank	09/16/13
BI30647-SRM1	Reference	09/16/13

**Batch ID:** BI30650      **Preparation Method:** EPA 5035A      **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-02	CP-SB-2 (14-16')	09/16/13
13I0486-05	CP-SB-3 (14-16')	09/16/13
BI30650-BLK1	Blank	09/16/13
BI30650-BS1	LCS	09/16/13
BI30650-BSD1	LCS Dup	09/16/13

**Batch ID:** BI30651      **Preparation Method:** EPA 5030B      **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-06	CP-MW-01	09/16/13
13I0486-07	CP-MW-02	09/16/13
BI30651-BLK1	Blank	09/16/13
BI30651-BS1	LCS	09/16/13
BI30651-BSD1	LCS Dup	09/16/13

**Batch ID:** BI30658      **Preparation Method:** EPA 7473 water      **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-06	CP-MW-01	09/16/13
13I0486-07	CP-MW-02	09/16/13



BI30658-BLK1 Blank 09/16/13  
BI30658-SRM1 Reference 09/16/13

**Batch ID:** BI30673 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-06	CP-MW-01	09/16/13
13I0486-07	CP-MW-02	09/16/13
BI30673-BLK1	Blank	09/16/13
BI30673-SRM1	Reference	09/16/13
BI30673-SRM2	Reference	09/16/13

**Batch ID:** BI30675 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-06	CP-MW-01	09/16/13
13I0486-07	CP-MW-02	09/16/13
BI30675-BLK1	Blank	09/16/13
BI30675-SRM1	Reference	09/16/13
BI30675-SRM2	Reference	09/16/13

**Batch ID:** BI30679 **Preparation Method:** EPA 3510C **Prepared By:** DB

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-06	CP-MW-01	09/16/13
13I0486-07	CP-MW-02	09/16/13
BI30679-BLK1	Blank	09/16/13
BI30679-BS1	LCS	09/16/13
BI30679-BSD1	LCS Dup	09/16/13

**Batch ID:** BI30704 **Preparation Method:** EPA 5035A **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-01	CP-SB-2 (2-4')	09/17/13
13I0486-03	CP-SB-3 (0-2')	09/17/13
BI30704-BLK1	Blank	09/17/13
BI30704-BS1	LCS	09/17/13
BI30704-BSD1	LCS Dup	09/17/13

**Batch ID:** BI30705 **Preparation Method:** Analysis Preparation **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-06	CP-MW-01	09/17/13
13I0486-07	CP-MW-02	09/17/13
BI30705-BLK1	Blank	09/17/13
BI30705-BS1	LCS	09/17/13
BI30705-DUP1	Duplicate	09/17/13
BI30705-MS1	Matrix Spike	09/17/13



**Batch ID:** BI30720      **Preparation Method:** EPA 7473 soil      **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-01	CP-SB-2 (2-4')	09/17/13
13I0486-02	CP-SB-2 (14-16')	09/17/13
13I0486-03	CP-SB-3 (0-2')	09/17/13
13I0486-04	CP-SB-3 (10-12')	09/17/13
13I0486-05	CP-SB-3 (14-16')	09/17/13
BI30720-BLK1	Blank	09/17/13
BI30720-SRM1	Reference	09/17/13

**Batch ID:** BI30766      **Preparation Method:** EPA 5035A      **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-04	CP-SB-3 (10-12')	09/18/13
BI30766-BLK1	Blank	09/18/13
BI30766-BS1	LCS	09/18/13
BI30766-BSD1	LCS Dup	09/18/13

**Batch ID:** BI30846      **Preparation Method:** Analysis Preparation Soil      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-05	CP-SB-3 (14-16')	09/19/13
BI30846-BLK1	Blank	09/19/13
BI30846-SRM1	Reference	09/19/13

**Batch ID:** BI30902      **Preparation Method:** % Solids Prep      **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-01	CP-SB-2 (2-4')	09/18/13

**Batch ID:** BI30903      **Preparation Method:** % Solids Prep      **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-02	CP-SB-2 (14-16')	09/19/13
13I0486-03	CP-SB-3 (0-2')	09/19/13
13I0486-04	CP-SB-3 (10-12')	09/19/13
13I0486-05	CP-SB-3 (14-16')	09/19/13

**Batch ID:** BI30926      **Preparation Method:** Analysis Preparation Soil      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0486-01	CP-SB-2 (2-4')	09/20/13
13I0486-02	CP-SB-2 (14-16')	09/20/13
13I0486-03	CP-SB-3 (0-2')	09/20/13
13I0486-04	CP-SB-3 (10-12')	09/20/13



BI30926-BLK1	Blank	09/20/13
BI30926-DUP1	Duplicate	09/20/13
BI30926-MS1	Matrix Spike	09/20/13
BI30926-SRM1	Reference	09/20/13



**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI30650 - EPA 5035A**

**Blank (BI30650-BLK1)**

Prepared & Analyzed: 09/16/2013

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
Acetone	0.0048	0.010	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	

**Batch BI30650 - EPA 5035A**

**Blank (BI30650-BLK1)**

Prepared & Analyzed: 09/16/2013

o-Xylene	ND	0.0050	mg/kg wet								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Vinyl acetate	ND	0.0050	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	52.7		ug/L	50.0		105	72-137				
<i>Surrogate: p-Bromofluorobenzene</i>	52.4		"	50.0		105	72-138				
<i>Surrogate: Toluene-d8</i>	49.0		"	50.0		97.9	85-118				

**LCS (BI30650-BS1)**

Prepared & Analyzed: 09/16/2013

1,1,1,2-Tetrachloroethane	49		ug/L	50.0		97.4	91-113				
1,1,1-Trichloroethane	50		"	50.0		101	76-135				
1,1,2,2-Tetrachloroethane	45		"	50.0		90.4	82-119				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		101	68-144				
1,1,2-Trichloroethane	46		"	50.0		91.4	82-114				
1,1-Dichloroethane	40		"	50.0		79.9	80-119	Low Bias			
1,1-Dichloroethylene	45		"	50.0		90.5	58-139				
1,1-Dichloropropylene	45		"	50.0		90.4	75-117				
1,2,3-Trichlorobenzene	54		"	50.0		107	72-133				
1,2,3-Trichloropropane	45		"	50.0		90.2	82-117				
1,2,4-Trichlorobenzene	50		"	50.0		100	69-135				
1,2,4-Trimethylbenzene	43		"	50.0		86.6	82-116				
1,2-Dibromo-3-chloropropane	50		"	50.0		101	72-131				
1,2-Dibromoethane	47		"	50.0		94.5	86-114				
1,2-Dichlorobenzene	47		"	50.0		93.4	85-114				
1,2-Dichloroethane	51		"	50.0		103	72-136				
1,2-Dichloropropane	44		"	50.0		87.8	79-119				
1,3,5-Trimethylbenzene	43		"	50.0		86.4	86-114				
1,3-Dichlorobenzene	46		"	50.0		92.5	84-114				
1,3-Dichloropropane	47		"	50.0		93.7	82-117				
1,4-Dichlorobenzene	46		"	50.0		92.0	82-116				
1,4-Dioxane	890		"	1000		89.5	10-208				
2,2-Dichloropropane	51		"	50.0		101	44-148				
2-Butanone	48		"	50.0		96.5	60-129				
2-Chlorotoluene	42		"	50.0		84.6	82-114				
4-Chlorotoluene	43		"	50.0		85.5	82-117				
Acetone	33		"	50.0		66.0	26-119				
Benzene	47		"	50.0		94.7	81-117				
Bromobenzene	44		"	50.0		88.1	85-114				
Bromochloromethane	45		"	50.0		90.4	79-118				
Bromodichloromethane	50		"	50.0		100	88-123				
Bromoform	49		"	50.0		98.2	85-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	

**Batch BI30650 - EPA 5035A**

**LCS (BI30650-BS1)**

Prepared & Analyzed: 09/16/2013

Bromomethane	50		ug/L	50.0		99.8	43-137				
Carbon tetrachloride	51		"	50.0		102	79-135				
Chlorobenzene	46		"	50.0		92.5	87-112				
Chloroethane	42		"	50.0		84.4	60-132				
Chloroform	50		"	50.0		101	80-126				
Chloromethane	35		"	50.0		70.7	36-133				
cis-1,2-Dichloroethylene	47		"	50.0		94.0	80-119				
cis-1,3-Dichloropropylene	51		"	50.0		102	87-125				
Dibromochloromethane	54		"	50.0		108	86-128				
Dibromomethane	46		"	50.0		91.9	85-121				
Dichlorodifluoromethane	29		"	50.0		58.0	10-156				
Ethyl Benzene	47		"	50.0		93.1	88-117				
Hexachlorobutadiene	49		"	50.0		97.1	82-129				
Isopropylbenzene	42		"	50.0		84.9	84-116				
Methyl tert-butyl ether (MTBE)	50		"	50.0		101	58-137				
Methylene chloride	47		"	50.0		93.7	47-140				
Naphthalene	55		"	50.0		110	65-143				
n-Butylbenzene	44		"	50.0		87.3	79-119				
n-Propylbenzene	42		"	50.0		83.4	82-116				
o-Xylene	45		"	50.0		90.7	88-111				
p- & m- Xylenes	92		"	100		91.9	86-117				
p-Isopropyltoluene	45		"	50.0		89.0	84-120				
sec-Butylbenzene	44		"	50.0		87.7	85-119				
Styrene	50		"	50.0		99.7	85-119				
tert-Butylbenzene	45		"	50.0		89.3	84-119				
Tetrachloroethylene	47		"	50.0		94.3	74-127				
Toluene	45		"	50.0		90.7	83-114				
trans-1,2-Dichloroethylene	48		"	50.0		96.2	68-131				
trans-1,3-Dichloropropylene	51		"	50.0		103	81-127				
Trichloroethylene	47		"	50.0		93.2	84-118				
Trichlorofluoromethane	46		"	50.0		92.5	59-148				
Vinyl Chloride	38		"	50.0		75.5	46-133				
Vinyl acetate	11		"	50.0		22.5	10-84				
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Surrogate: 1,2-Dichloroethane-d4	51.6		"	50.0		103	72-137				
Surrogate: p-Bromofluorobenzene	48.6		"	50.0		97.1	72-138				
Surrogate: Toluene-d8	48.2		"	50.0		96.4	85-118				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
<b>Batch BI30650 - EPA 5035A</b>										
<b>LCS Dup (BI30650-bsd1)</b>										
Prepared & Analyzed: 09/16/2013										
1,1,1,2-Tetrachloroethane	51		ug/L	50.0	102	91-113			4.71	30
1,1,1-Trichloroethane	50		"	50.0	99.6	76-135			1.30	30
1,1,2,2-Tetrachloroethane	45		"	50.0	89.5	82-119			0.978	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49		"	50.0	98.2	68-144			2.91	30
1,1,2-Trichloroethane	46		"	50.0	92.7	82-114			1.37	30
1,1-Dichloroethane	44		"	50.0	87.7	80-119			9.38	30
1,1-Dichloroethylene	43		"	50.0	86.6	58-139			4.45	30
1,1-Dichloropropylene	46		"	50.0	92.0	75-117			1.71	30
1,2,3-Trichlorobenzene	55		"	50.0	110	72-133			2.32	30
1,2,3-Trichloropropane	44		"	50.0	88.2	82-117			2.31	30
1,2,4-Trichlorobenzene	51		"	50.0	101	69-135			0.615	30
1,2,4-Trimethylbenzene	44		"	50.0	87.6	82-116			1.13	30
1,2-Dibromo-3-chloropropane	53		"	50.0	106	72-131			4.57	30
1,2-Dibromoethane	48		"	50.0	96.4	86-114			2.03	30
1,2-Dichlorobenzene	46		"	50.0	92.9	85-114			0.472	30
1,2-Dichloroethane	50		"	50.0	99.3	72-136			3.42	30
1,2-Dichloropropane	45		"	50.0	89.3	79-119			1.63	30
1,3,5-Trimethylbenzene	44		"	50.0	87.4	86-114			1.15	30
1,3-Dichlorobenzene	47		"	50.0	93.2	84-114			0.775	30
1,3-Dichloropropane	47		"	50.0	94.2	82-117			0.490	30
1,4-Dichlorobenzene	47		"	50.0	93.4	82-116			1.49	30
1,4-Dioxane	870		"	1000	87.1	10-208			2.67	30
2,2-Dichloropropane	50		"	50.0	99.2	44-148			1.94	30
2-Butanone	48		"	50.0	95.2	60-129			1.38	30
2-Chlorotoluene	42		"	50.0	84.5	82-114			0.0473	30
4-Chlorotoluene	44		"	50.0	87.1	82-117			1.85	30
Acetone	35		"	50.0	70.8	26-119			7.02	30
Benzene	47		"	50.0	93.7	81-117			1.04	30
Bromobenzene	45		"	50.0	89.1	85-114			1.17	30
Bromochloromethane	43		"	50.0	86.5	79-118			4.34	30
Bromodichloromethane	52		"	50.0	104	88-123			3.10	30
Bromoform	48		"	50.0	97.0	85-122			1.31	30
Bromomethane	44		"	50.0	89.0	43-137			11.5	30
Carbon tetrachloride	52		"	50.0	104	79-135			1.59	30
Chlorobenzene	46		"	50.0	92.9	87-112			0.388	30
Chloroethane	39		"	50.0	79.0	60-132			6.61	30
Chloroform	49		"	50.0	98.8	80-126			2.20	30
Chloromethane	32		"	50.0	64.9	36-133			8.61	30
cis-1,2-Dichloroethylene	48		"	50.0	95.4	80-119			1.44	30
cis-1,3-Dichloropropylene	51		"	50.0	101	87-125			0.531	30
Dibromochloromethane	53		"	50.0	107	86-128			0.951	30
Dibromomethane	47		"	50.0	94.3	85-121			2.60	30
Dichlorodifluoromethane	26		"	50.0	52.1	10-156			10.7	30
Ethyl Benzene	48		"	50.0	95.0	88-117			2.00	30
Hexachlorobutadiene	50		"	50.0	99.9	82-129			2.84	30
Isopropylbenzene	44		"	50.0	87.1	84-116			2.60	30
Methyl tert-butyl ether (MTBE)	47		"	50.0	93.7	58-137			7.48	30
Methylene chloride	44		"	50.0	87.7	47-140			6.64	30
Naphthalene	55		"	50.0	110	65-143			0.364	30
n-Butylbenzene	45		"	50.0	89.2	79-119			2.13	30
n-Propylbenzene	43		"	50.0	85.5	82-116			2.49	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30650 - EPA 5035A

LCS Dup (BI30650-BSD1)

Prepared & Analyzed: 09/16/2013

o-Xylene	47		ug/L	50.0		93.7	88-111		3.23	30	
p- & m- Xylenes	95		"	100		94.7	86-117		2.93	30	
p-Isopropyltoluene	45		"	50.0		90.0	84-120		1.09	30	
sec-Butylbenzene	45		"	50.0		89.1	85-119		1.56	30	
Styrene	50		"	50.0		99.6	85-119		0.100	30	
tert-Butylbenzene	45		"	50.0		89.7	84-119		0.402	30	
Tetrachloroethylene	52		"	50.0		103	74-127		9.24	30	
Toluene	46		"	50.0		92.9	83-114		2.38	30	
trans-1,2-Dichloroethylene	45		"	50.0		90.6	68-131		6.00	30	
trans-1,3-Dichloropropylene	52		"	50.0		104	81-127		1.35	30	
Trichloroethylene	49		"	50.0		97.6	84-118		4.59	30	
Trichlorofluoromethane	45		"	50.0		90.1	59-148		2.65	30	
Vinyl Chloride	35		"	50.0		70.9	46-133		6.26	30	
Vinyl acetate	13		"	50.0		26.9	10-84		17.8	30	
Surrogate: 1,2-Dichloroethane-d4	51.3		"	50.0		103	72-137				
Surrogate: p-Bromofluorobenzene	48.3		"	50.0		96.6	72-138				
Surrogate: Toluene-d8	48.8		"	50.0		97.5	85-118				

Batch BI30651 - EPA 5030B

Blank (BI30651-BLK1)

Prepared & Analyzed: 09/16/2013

1,1,1,2-Tetrachloroethane	ND	5.0	ug/L								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Acetone	ND	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit								Limit			

**Batch BI30651 - EPA 5030B**

**Blank (BI30651-BLK1)**

Prepared & Analyzed: 09/16/2013

Bromomethane	ND	5.0	ug/L										
Carbon tetrachloride	ND	5.0	"										
Chlorobenzene	ND	5.0	"										
Chloroethane	ND	5.0	"										
Chloroform	ND	5.0	"										
Chloromethane	ND	5.0	"										
cis-1,2-Dichloroethylene	ND	5.0	"										
cis-1,3-Dichloropropylene	ND	5.0	"										
Dibromochloromethane	ND	5.0	"										
Dibromomethane	ND	5.0	"										
Dichlorodifluoromethane	ND	5.0	"										
Ethyl Benzene	ND	5.0	"										
Hexachlorobutadiene	ND	5.0	"										
Isopropylbenzene	ND	5.0	"										
Methyl tert-butyl ether (MTBE)	ND	5.0	"										
Methylene chloride	ND	5.0	"										
Naphthalene	ND	5.0	"										
n-Butylbenzene	ND	5.0	"										
n-Propylbenzene	ND	5.0	"										
o-Xylene	ND	5.0	"										
p- & m- Xylenes	ND	10	"										
p-Isopropyltoluene	ND	5.0	"										
sec-Butylbenzene	ND	5.0	"										
Styrene	ND	5.0	"										
tert-Butylbenzene	ND	5.0	"										
Tetrachloroethylene	ND	5.0	"										
Toluene	ND	5.0	"										
trans-1,2-Dichloroethylene	ND	5.0	"										
trans-1,3-Dichloropropylene	ND	5.0	"										
Trichloroethylene	ND	5.0	"										
Trichlorofluoromethane	ND	5.0	"										
Vinyl Chloride	ND	5.0	"										
Xylenes, Total	ND	15	"										
Vinyl acetate	ND	5.0	"										
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Surrogate: 1,2-Dichloroethane-d4	49.7		"	50.0		99.3		78-122					
Surrogate: p-Bromofluorobenzene	51.1		"	50.0		102		87-112					
Surrogate: Toluene-d8	49.5		"	50.0		99.0		91-110					



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level

**Batch BI30651 - EPA 5030B**

**LCS (BI30651-BS1)**

Prepared & Analyzed: 09/16/2013

1,1,1,2-Tetrachloroethane	49		ug/L	50.0		97.8	90-116			
1,1,1-Trichloroethane	50		"	50.0		99.5	83-125			
1,1,2,2-Tetrachloroethane	55		"	50.0		110	84-122			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		96.9	66-141			
1,1,2-Trichloroethane	50		"	50.0		99.9	83-116			
1,1-Dichloroethane	49		"	50.0		98.4	82-121			
1,1-Dichloroethylene	43		"	50.0		85.9	59-135			
1,1-Dichloropropylene	47		"	50.0		93.3	81-112			
1,2,3-Trichlorobenzene	57		"	50.0		114	74-132			
1,2,3-Trichloropropane	53		"	50.0		106	83-118			
1,2,4-Trichlorobenzene	53		"	50.0		106	72-133			
1,2,4-Trimethylbenzene	47		"	50.0		95.0	82-119			
1,2-Dibromo-3-chloropropane	54		"	50.0		109	69-134			
1,2-Dibromoethane	50		"	50.0		101	85-118			
1,2-Dichlorobenzene	49		"	50.0		98.6	87-116			
1,2-Dichloroethane	50		"	50.0		100	79-125			
1,2-Dichloropropane	49		"	50.0		98.3	82-119			
1,3,5-Trimethylbenzene	48		"	50.0		96.5	84-120			
1,3-Dichlorobenzene	50		"	50.0		99.4	85-116			
1,3-Dichloropropane	51		"	50.0		101	86-114			
1,4-Dichlorobenzene	50		"	50.0		99.1	84-116			
2,2-Dichloropropane	49		"	50.0		97.7	56-138			
2-Butanone	56		"	50.0		112	59-127			
2-Chlorotoluene	47		"	50.0		94.7	82-117			
4-Chlorotoluene	47		"	50.0		94.6	84-118			
Acetone	35		"	50.0		69.7	30-112			
Benzene	50		"	50.0		99.4	88-113			
Bromobenzene	48		"	50.0		96.7	85-117			
Bromochloromethane	49		"	50.0		98.8	80-120			
Bromodichloromethane	48		"	50.0		97.0	87-122			
Bromoform	56		"	50.0		113	83-127			
Bromomethane	42		"	50.0		84.9	36-135			
Carbon tetrachloride	48		"	50.0		96.7	82-128			
Chlorobenzene	49		"	50.0		97.2	90-111			
Chloroethane	46		"	50.0		93.0	60-132			
Chloroform	51		"	50.0		102	89-116			
Chloromethane	39		"	50.0		77.2	39-131			
cis-1,2-Dichloroethylene	50		"	50.0		101	90-112			
cis-1,3-Dichloropropylene	51		"	50.0		102	89-124			
Dibromochloromethane	51		"	50.0		101	82-132			
Dibromomethane	49		"	50.0		98.9	83-124			
Dichlorodifluoromethane	28		"	50.0		55.8	10-143			
Ethyl Benzene	47		"	50.0		94.7	91-117			
Hexachlorobutadiene	54		"	50.0		108	83-129			
Isopropylbenzene	47		"	50.0		94.2	82-122			
Methyl tert-butyl ether (MTBE)	52		"	50.0		104	59-135			
Methylene chloride	49		"	50.0		97.7	51-136			
Naphthalene	59		"	50.0		117	61-147			
n-Butylbenzene	49		"	50.0		97.9	79-122			
n-Propylbenzene	48		"	50.0		95.7	80-123			
o-Xylene	46		"	50.0		92.7	91-110			



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level

**Batch BI30651 - EPA 5030B**

**LCS (BI30651-BS1)**

Prepared & Analyzed: 09/16/2013

p- & m- Xylenes	95		ug/L	100		94.7	86-118			
p-Isopropyltoluene	49		"	50.0		98.7	83-125			
sec-Butylbenzene	49		"	50.0		97.5	82-127			
Styrene	49		"	50.0		97.8	88-121			
tert-Butylbenzene	49		"	50.0		97.4	70-130			
Tetrachloroethylene	46		"	50.0		92.3	67-138			
Toluene	46		"	50.0		92.8	88-113			
trans-1,2-Dichloroethylene	48		"	50.0		95.4	73-123			
trans-1,3-Dichloropropylene	50		"	50.0		101	85-123			
Trichloroethylene	46		"	50.0		91.2	83-120			
Trichlorofluoromethane	45		"	50.0		89.9	62-138			
Vinyl Chloride	40		"	50.0		80.4	49-127			
Vinyl acetate	16		"	50.0		31.7	21-90			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>49.5</i>		<i>"</i>	<i>50.0</i>		<i>99.1</i>	<i>78-122</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>50.9</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>87-112</i>			
<i>Surrogate: Toluene-d8</i>	<i>47.9</i>		<i>"</i>	<i>50.0</i>		<i>95.7</i>	<i>91-110</i>			

**LCS Dup (BI30651-BSD1)**

Prepared & Analyzed: 09/16/2013

1,1,1,2-Tetrachloroethane	49		ug/L	50.0		98.6	90-116		0.835	30
1,1,1-Trichloroethane	50		"	50.0		99.9	83-125		0.401	30
1,1,2,2-Tetrachloroethane	52		"	50.0		105	84-122		4.67	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50		"	50.0		100	66-141		3.27	30
1,1,2-Trichloroethane	49		"	50.0		98.6	83-116		1.27	30
1,1-Dichloroethane	49		"	50.0		97.2	82-121		1.29	30
1,1-Dichloroethylene	45		"	50.0		89.2	59-135		3.84	30
1,1-Dichloropropylene	48		"	50.0		95.6	81-112		2.52	30
1,2,3-Trichlorobenzene	51		"	50.0		103	74-132		10.4	30
1,2,3-Trichloropropane	51		"	50.0		102	83-118		4.59	30
1,2,4-Trichlorobenzene	50		"	50.0		99.6	72-133		6.27	30
1,2,4-Trimethylbenzene	48		"	50.0		95.2	82-119		0.294	30
1,2-Dibromo-3-chloropropane	46		"	50.0		92.9	69-134		16.0	30
1,2-Dibromoethane	49		"	50.0		98.9	85-118		1.98	30
1,2-Dichlorobenzene	50		"	50.0		99.4	87-116		0.747	30
1,2-Dichloroethane	50		"	50.0		101	79-125		0.219	30
1,2-Dichloropropane	47		"	50.0		94.9	82-119		3.48	30
1,3,5-Trimethylbenzene	48		"	50.0		96.3	84-120		0.249	30
1,3-Dichlorobenzene	50		"	50.0		99.2	85-116		0.242	30
1,3-Dichloropropane	48		"	50.0		96.3	86-114		4.82	30
1,4-Dichlorobenzene	49		"	50.0		98.6	84-116		0.465	30
2,2-Dichloropropane	48		"	50.0		96.9	56-138		0.843	30
2-Butanone	48		"	50.0		96.6	59-127		15.1	30
2-Chlorotoluene	48		"	50.0		95.4	82-117		0.736	30
4-Chlorotoluene	47		"	50.0		93.6	84-118		1.04	30
Acetone	35		"	50.0		70.7	30-112		1.42	30
Benzene	50		"	50.0		100	88-113		0.822	30
Bromobenzene	49		"	50.0		97.7	85-117		1.03	30
Bromochloromethane	48		"	50.0		96.6	80-120		2.31	30
Bromodichloromethane	51		"	50.0		102	87-122		5.01	30
Bromoform	53		"	50.0		107	83-127		5.39	30
Bromomethane	41		"	50.0		81.5	36-135		4.11	30
Carbon tetrachloride	50		"	50.0		99.2	82-128		2.49	30
Chlorobenzene	49		"	50.0		98.0	90-111		0.820	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30651 - EPA 5030B

LCS Dup (BI30651-BSD1)

Prepared & Analyzed: 09/16/2013

Chloroethane	46		ug/L	50.0		92.5	60-132		0.561	30	
Chloroform	50		"	50.0		101	89-116		1.52	30	
Chloromethane	37		"	50.0		73.5	39-131		4.93	30	
cis-1,2-Dichloroethylene	51		"	50.0		102	90-112		0.868	30	
cis-1,3-Dichloropropylene	51		"	50.0		102	89-124		0.804	30	
Dibromochloromethane	51		"	50.0		102	82-132		0.0591	30	
Dibromomethane	49		"	50.0		98.6	83-124		0.385	30	
Dichlorodifluoromethane	27		"	50.0		53.2	10-143		4.81	30	
Ethyl Benzene	48		"	50.0		96.9	91-117		2.28	30	
Hexachlorobutadiene	51		"	50.0		101	83-129		6.83	30	
Isopropylbenzene	48		"	50.0		96.7	82-122		2.66	30	
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.2	59-135		4.74	30	
Methylene chloride	48		"	50.0		95.1	51-136		2.66	30	
Naphthalene	52		"	50.0		103	61-147		13.1	30	
n-Butylbenzene	49		"	50.0		97.6	79-122		0.266	30	
n-Propylbenzene	47		"	50.0		94.8	80-123		0.924	30	
o-Xylene	49		"	50.0		97.6	91-110		5.15	30	
p- & m- Xylenes	97		"	100		96.7	86-118		2.12	30	
p-Isopropyltoluene	50		"	50.0		100	83-125		1.73	30	
sec-Butylbenzene	48		"	50.0		95.5	82-127		2.07	30	
Styrene	51		"	50.0		102	88-121		3.77	30	
tert-Butylbenzene	49		"	50.0		98.3	70-130		0.879	30	
Tetrachloroethylene	49		"	50.0		97.8	67-138		5.83	30	
Toluene	48		"	50.0		95.5	88-113		2.93	30	
trans-1,2-Dichloroethylene	49		"	50.0		97.8	73-123		2.50	30	
trans-1,3-Dichloropropylene	49		"	50.0		98.7	85-123		2.17	30	
Trichloroethylene	50		"	50.0		101	83-120		9.70	30	
Trichlorofluoromethane	45		"	50.0		89.9	62-138		0.0445	30	
Vinyl Chloride	41		"	50.0		82.5	49-127		2.58	30	
Vinyl acetate	14		"	50.0		28.6	21-90		10.4	30	
Surrogate: 1,2-Dichloroethane-d4	50.2		"	50.0		100	78-122				
Surrogate: p-Bromofluorobenzene	50.6		"	50.0		101	87-112				
Surrogate: Toluene-d8	48.9		"	50.0		97.9	91-110				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit								RPD	

**Batch BI30704 - EPA 5035A**

**Blank (BI30704-BLK1)**

Prepared & Analyzed: 09/17/2013

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
4-Chlorotoluene	ND	0.0050	"
Acetone	ND	0.010	"
Benzene	ND	0.0050	"
Bromobenzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
Dibromomethane	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
Ethyl Benzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"
Isopropylbenzene	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylene chloride	ND	0.010	"
Naphthalene	ND	0.010	"
n-Butylbenzene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30704 - EPA 5035A

Blank (BI30704-BLK1)

Prepared & Analyzed: 09/17/2013

o-Xylene	ND	0.0050	mg/kg wet								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Vinyl acetate	ND	0.0050	"								
Surrogate: 1,2-Dichloroethane-d4	55.3		ug/L	50.0		111	72-137				
Surrogate: p-Bromofluorobenzene	47.1		"	50.0		94.3	72-138				
Surrogate: Toluene-d8	47.8		"	50.0		95.5	85-118				

LCS (BI30704-BS1)

Prepared & Analyzed: 09/17/2013

1,1,1,2-Tetrachloroethane	49		ug/L	50.0		98.7	91-113				
1,1,1-Trichloroethane	52		"	50.0		105	76-135				
1,1,2,2-Tetrachloroethane	49		"	50.0		97.1	82-119				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		106	68-144				
1,1,2-Trichloroethane	48		"	50.0		95.7	82-114				
1,1-Dichloroethane	48		"	50.0		96.3	80-119				
1,1-Dichloroethylene	50		"	50.0		99.1	58-139				
1,1-Dichloropropylene	48		"	50.0		96.1	75-117				
1,2,3-Trichlorobenzene	51		"	50.0		102	72-133				
1,2,3-Trichloropropane	51		"	50.0		101	82-117				
1,2,4-Trichlorobenzene	48		"	50.0		95.6	69-135				
1,2,4-Trimethylbenzene	48		"	50.0		95.2	82-116				
1,2-Dibromo-3-chloropropane	54		"	50.0		108	72-131				
1,2-Dibromoethane	49		"	50.0		98.4	86-114				
1,2-Dichlorobenzene	47		"	50.0		93.3	85-114				
1,2-Dichloroethane	53		"	50.0		105	72-136				
1,2-Dichloropropane	49		"	50.0		98.7	79-119				
1,3,5-Trimethylbenzene	49		"	50.0		97.2	86-114				
1,3-Dichlorobenzene	46		"	50.0		92.7	84-114				
1,3-Dichloropropane	50		"	50.0		99.9	82-117				
1,4-Dichlorobenzene	47		"	50.0		94.2	82-116				
1,4-Dioxane	880		"	1000		88.3	10-208				
2,2-Dichloropropane	52		"	50.0		104	44-148				
2-Butanone	48		"	50.0		95.7	60-129				
2-Chlorotoluene	48		"	50.0		96.6	82-114				
4-Chlorotoluene	48		"	50.0		95.2	82-117				
Acetone	39		"	50.0		77.1	26-119				
Benzene	48		"	50.0		95.8	81-117				
Bromobenzene	47		"	50.0		94.6	85-114				
Bromochloromethane	48		"	50.0		96.1	79-118				
Bromodichloromethane	52		"	50.0		105	88-123				
Bromoform	49		"	50.0		97.7	85-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	

**Batch BI30704 - EPA 5035A**

**LCS (BI30704-BS1)**

Prepared & Analyzed: 09/17/2013

Bromomethane	40		ug/L	50.0		79.7	43-137				
Carbon tetrachloride	53		"	50.0		106	79-135				
Chlorobenzene	47		"	50.0		94.2	87-112				
Chloroethane	44		"	50.0		88.9	60-132				
Chloroform	51		"	50.0		102	80-126				
Chloromethane	55		"	50.0		109	36-133				
cis-1,2-Dichloroethylene	49		"	50.0		98.4	80-119				
cis-1,3-Dichloropropylene	54		"	50.0		107	87-125				
Dibromochloromethane	52		"	50.0		105	86-128				
Dibromomethane	49		"	50.0		98.4	85-121				
Dichlorodifluoromethane	44		"	50.0		88.2	10-156				
Ethyl Benzene	49		"	50.0		99.0	88-117				
Hexachlorobutadiene	48		"	50.0		96.1	82-129				
Isopropylbenzene	48		"	50.0		95.7	84-116				
Methyl tert-butyl ether (MTBE)	53		"	50.0		106	58-137				
Methylene chloride	49		"	50.0		98.0	47-140				
Naphthalene	52		"	50.0		103	65-143				
n-Butylbenzene	48		"	50.0		96.8	79-119				
n-Propylbenzene	48		"	50.0		96.2	82-116				
o-Xylene	49		"	50.0		98.9	88-111				
p- & m- Xylenes	100		"	100		100	86-117				
p-Isopropyltoluene	50		"	50.0		99.0	84-120				
sec-Butylbenzene	50		"	50.0		101	85-119				
Styrene	50		"	50.0		100	85-119				
tert-Butylbenzene	47		"	50.0		94.8	84-119				
Tetrachloroethylene	49		"	50.0		97.3	74-127				
Toluene	49		"	50.0		97.5	83-114				
trans-1,2-Dichloroethylene	50		"	50.0		99.0	68-131				
trans-1,3-Dichloropropylene	52		"	50.0		105	81-127				
Trichloroethylene	50		"	50.0		99.7	84-118				
Trichlorofluoromethane	57		"	50.0		114	59-148				
Vinyl Chloride	46		"	50.0		91.6	46-133				
Vinyl acetate	15		"	50.0		29.1	10-84				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.7</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>72-137</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>46.3</i>		<i>"</i>	<i>50.0</i>		<i>92.5</i>	<i>72-138</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.5</i>		<i>"</i>	<i>50.0</i>		<i>99.0</i>	<i>85-118</i>				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
<b>Batch BI30704 - EPA 5035A</b>										
<b>LCS Dup (BI30704-bsd1)</b>										
Prepared & Analyzed: 09/17/2013										
1,1,1,2-Tetrachloroethane	51		ug/L	50.0	102	91-113			3.52	30
1,1,1-Trichloroethane	52		"	50.0	104	76-135			0.517	30
1,1,2,2-Tetrachloroethane	51		"	50.0	102	82-119			4.59	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0	108	68-144			2.48	30
1,1,2-Trichloroethane	50		"	50.0	99.3	82-114			3.69	30
1,1-Dichloroethane	49		"	50.0	97.9	80-119			1.63	30
1,1-Dichloroethylene	50		"	50.0	99.9	58-139			0.844	30
1,1-Dichloropropylene	48		"	50.0	96.2	75-117			0.0208	30
1,2,3-Trichlorobenzene	49		"	50.0	98.8	72-133			3.32	30
1,2,3-Trichloropropane	53		"	50.0	105	82-117			3.84	30
1,2,4-Trichlorobenzene	46		"	50.0	92.7	69-135			3.06	30
1,2,4-Trimethylbenzene	48		"	50.0	96.4	82-116			1.23	30
1,2-Dibromo-3-chloropropane	51		"	50.0	103	72-131			5.11	30
1,2-Dibromoethane	50		"	50.0	100	86-114			2.13	30
1,2-Dichlorobenzene	49		"	50.0	97.1	85-114			4.01	30
1,2-Dichloroethane	52		"	50.0	104	72-136			1.15	30
1,2-Dichloropropane	50		"	50.0	100	79-119			1.39	30
1,3,5-Trimethylbenzene	50		"	50.0	100	86-114			3.16	30
1,3-Dichlorobenzene	48		"	50.0	95.0	84-114			2.47	30
1,3-Dichloropropane	49		"	50.0	98.4	82-117			1.55	30
1,4-Dichlorobenzene	47		"	50.0	93.4	82-116			0.789	30
1,4-Dioxane	860		"	1000	86.2	10-208			2.39	30
2,2-Dichloropropane	50		"	50.0	101	44-148			3.43	30
2-Butanone	49		"	50.0	97.9	60-129			2.25	30
2-Chlorotoluene	49		"	50.0	97.6	82-114			1.03	30
4-Chlorotoluene	49		"	50.0	98.5	82-117			3.41	30
Acetone	36		"	50.0	72.0	26-119			6.76	30
Benzene	50		"	50.0	99.1	81-117			3.34	30
Bromobenzene	50		"	50.0	99.2	85-114			4.69	30
Bromochloromethane	48		"	50.0	95.2	79-118			0.899	30
Bromodichloromethane	54		"	50.0	107	88-123			2.48	30
Bromoform	51		"	50.0	101	85-122			3.32	30
Bromomethane	37		"	50.0	74.8	43-137			6.37	30
Carbon tetrachloride	53		"	50.0	107	79-135			0.847	30
Chlorobenzene	49		"	50.0	97.5	87-112			3.44	30
Chloroethane	44		"	50.0	87.3	60-132			1.77	30
Chloroform	50		"	50.0	101	80-126			1.40	30
Chloromethane	54		"	50.0	108	36-133			1.40	30
cis-1,2-Dichloroethylene	49		"	50.0	97.6	80-119			0.857	30
cis-1,3-Dichloropropylene	55		"	50.0	109	87-125			1.87	30
Dibromochloromethane	53		"	50.0	106	86-128			0.855	30
Dibromomethane	49		"	50.0	98.9	85-121			0.466	30
Dichlorodifluoromethane	43		"	50.0	85.6	10-156			2.99	30
Ethyl Benzene	51		"	50.0	102	88-117			3.14	30
Hexachlorobutadiene	46		"	50.0	92.5	82-129			3.80	30
Isopropylbenzene	50		"	50.0	99.5	84-116			3.83	30
Methyl tert-butyl ether (MTBE)	51		"	50.0	103	58-137			2.93	30
Methylene chloride	48		"	50.0	96.8	47-140			1.17	30
Naphthalene	51		"	50.0	102	65-143			1.56	30
n-Butylbenzene	49		"	50.0	97.5	79-119			0.659	30
n-Propylbenzene	49		"	50.0	98.5	82-116			2.32	30



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			

**Batch BI30704 - EPA 5035A**

**LCS Dup (BI30704-BSD1)**

Prepared & Analyzed: 09/17/2013

o-Xylene	49		ug/L	50.0		98.4	88-111			0.588	30	
p- & m- Xylenes	100		"	100		101	86-117			0.984	30	
p-Isopropyltoluene	51		"	50.0		101	84-120			2.28	30	
sec-Butylbenzene	51		"	50.0		102	85-119			1.40	30	
Styrene	49		"	50.0		98.8	85-119			1.21	30	
tert-Butylbenzene	50		"	50.0		101	84-119			6.04	30	
Tetrachloroethylene	48		"	50.0		95.7	74-127			1.68	30	
Toluene	50		"	50.0		99.3	83-114			1.83	30	
trans-1,2-Dichloroethylene	50		"	50.0		99.6	68-131			0.564	30	
trans-1,3-Dichloropropylene	54		"	50.0		108	81-127			3.29	30	
Trichloroethylene	50		"	50.0		100	84-118			0.341	30	
Trichlorofluoromethane	59		"	50.0		118	59-148			3.28	30	
Vinyl Chloride	47		"	50.0		93.5	46-133			2.10	30	
Vinyl acetate	15		"	50.0		29.7	10-84			2.04	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>53.7</i>		<i>"</i>	<i>50.0</i>		<i>107</i>	<i>72-137</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>48.3</i>		<i>"</i>	<i>50.0</i>		<i>96.6</i>	<i>72-138</i>					
<i>Surrogate: Toluene-d8</i>	<i>49.9</i>		<i>"</i>	<i>50.0</i>		<i>99.9</i>	<i>85-118</i>					

**Batch BI30766 - EPA 5035A**

**Blank (BI30766-BLK1)**

Prepared & Analyzed: 09/18/2013

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet									
1,1,1-Trichloroethane	ND	0.0050	"									
1,1,2,2-Tetrachloroethane	ND	0.0050	"									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"									
1,1,2-Trichloroethane	ND	0.0050	"									
1,1-Dichloroethane	ND	0.0050	"									
1,1-Dichloroethylene	ND	0.0050	"									
1,1-Dichloropropylene	ND	0.0050	"									
1,2,3-Trichlorobenzene	ND	0.0050	"									
1,2,3-Trichloropropane	ND	0.0050	"									
1,2,4-Trichlorobenzene	ND	0.0050	"									
1,2,4-Trimethylbenzene	ND	0.0050	"									
1,2-Dibromo-3-chloropropane	ND	0.0050	"									
1,2-Dibromoethane	ND	0.0050	"									
1,2-Dichlorobenzene	ND	0.0050	"									
1,2-Dichloroethane	ND	0.0050	"									
1,2-Dichloropropane	ND	0.0050	"									
1,3,5-Trimethylbenzene	ND	0.0050	"									
1,3-Dichlorobenzene	ND	0.0050	"									
1,3-Dichloropropane	ND	0.0050	"									
1,4-Dichlorobenzene	ND	0.0050	"									
1,4-Dioxane	ND	0.10	"									
2,2-Dichloropropane	ND	0.0050	"									
2-Butanone	ND	0.0050	"									
2-Chlorotoluene	ND	0.0050	"									
4-Chlorotoluene	ND	0.0050	"									
Acetone	ND	0.010	"									
Benzene	ND	0.0050	"									
Bromobenzene	ND	0.0050	"									
Bromochloromethane	ND	0.0050	"									
Bromodichloromethane	ND	0.0050	"									



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit								Limit			

**Batch BI30766 - EPA 5035A**

**Blank (BI30766-BLK1)**

Prepared & Analyzed: 09/18/2013

Bromoform	ND	0.0050	mg/kg wet										
Bromomethane	ND	0.0050	"										
Carbon tetrachloride	ND	0.0050	"										
Chlorobenzene	ND	0.0050	"										
Chloroethane	ND	0.0050	"										
Chloroform	ND	0.0050	"										
Chloromethane	ND	0.0050	"										
cis-1,2-Dichloroethylene	ND	0.0050	"										
cis-1,3-Dichloropropylene	ND	0.0050	"										
Dibromochloromethane	ND	0.0050	"										
Dibromomethane	ND	0.0050	"										
Dichlorodifluoromethane	ND	0.0050	"										
Ethyl Benzene	ND	0.0050	"										
Hexachlorobutadiene	ND	0.0050	"										
Isopropylbenzene	ND	0.0050	"										
Methyl tert-butyl ether (MTBE)	ND	0.0050	"										
Methylene chloride	ND	0.010	"										
Naphthalene	ND	0.010	"										
n-Butylbenzene	ND	0.0050	"										
n-Propylbenzene	ND	0.0050	"										
o-Xylene	ND	0.0050	"										
p- & m- Xylenes	ND	0.010	"										
p-Isopropyltoluene	ND	0.0050	"										
sec-Butylbenzene	ND	0.0050	"										
Styrene	ND	0.0050	"										
tert-Butylbenzene	ND	0.0050	"										
Tetrachloroethylene	ND	0.0050	"										
Toluene	ND	0.0050	"										
trans-1,2-Dichloroethylene	ND	0.0050	"										
trans-1,3-Dichloropropylene	ND	0.0050	"										
Trichloroethylene	ND	0.0050	"										
Trichlorofluoromethane	ND	0.0050	"										
Vinyl Chloride	ND	0.0050	"										
Xylenes, Total	ND	0.015	"										
Vinyl acetate	ND	0.0050	"										
<i>Surrogate: 1,2-Dichloroethane-d4</i>	52.5		ug/L	50.0		105		72-137					
<i>Surrogate: p-Bromofluorobenzene</i>	46.2		"	50.0		92.5		72-138					
<i>Surrogate: Toluene-d8</i>	49.5		"	50.0		99.0		85-118					



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	
		Limit								Units	Level

**Batch BI30766 - EPA 5035A**

**LCS (BI30766-BS1)**

Prepared & Analyzed: 09/18/2013

1,1,1,2-Tetrachloroethane	51		ug/L	50.0	103	91-113					
1,1,1-Trichloroethane	51		"	50.0	102	76-135					
1,1,2,2-Tetrachloroethane	49		"	50.0	98.1	82-119					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0	106	68-144					
1,1,2-Trichloroethane	50		"	50.0	99.2	82-114					
1,1-Dichloroethane	48		"	50.0	96.7	80-119					
1,1-Dichloroethylene	50		"	50.0	99.5	58-139					
1,1-Dichloropropylene	48		"	50.0	96.5	75-117					
1,2,3-Trichlorobenzene	52		"	50.0	105	72-133					
1,2,3-Trichloropropane	49		"	50.0	98.9	82-117					
1,2,4-Trichlorobenzene	52		"	50.0	104	69-135					
1,2,4-Trimethylbenzene	50		"	50.0	99.4	82-116					
1,2-Dibromo-3-chloropropane	55		"	50.0	110	72-131					
1,2-Dibromoethane	50		"	50.0	101	86-114					
1,2-Dichlorobenzene	48		"	50.0	96.7	85-114					
1,2-Dichloroethane	52		"	50.0	104	72-136					
1,2-Dichloropropane	49		"	50.0	98.2	79-119					
1,3,5-Trimethylbenzene	50		"	50.0	99.2	86-114					
1,3-Dichlorobenzene	48		"	50.0	96.0	84-114					
1,3-Dichloropropane	49		"	50.0	98.1	82-117					
1,4-Dichlorobenzene	48		"	50.0	96.8	82-116					
1,4-Dioxane	1000		"	1000	100	10-208					
2,2-Dichloropropane	52		"	50.0	104	44-148					
2-Butanone	49		"	50.0	98.0	60-129					
2-Chlorotoluene	48		"	50.0	95.3	82-114					
4-Chlorotoluene	48		"	50.0	96.2	82-117					
Acetone	42		"	50.0	84.1	26-119					
Benzene	47		"	50.0	94.6	81-117					
Bromobenzene	48		"	50.0	96.5	85-114					
Bromochloromethane	47		"	50.0	93.4	79-118					
Bromodichloromethane	53		"	50.0	105	88-123					
Bromoform	50		"	50.0	99.7	85-122					
Bromomethane	40		"	50.0	80.8	43-137					
Carbon tetrachloride	55		"	50.0	109	79-135					
Chlorobenzene	50		"	50.0	99.5	87-112					
Chloroethane	44		"	50.0	87.8	60-132					
Chloroform	50		"	50.0	99.6	80-126					
Chloromethane	53		"	50.0	107	36-133					
cis-1,2-Dichloroethylene	49		"	50.0	97.7	80-119					
cis-1,3-Dichloropropylene	54		"	50.0	108	87-125					
Dibromochloromethane	54		"	50.0	108	86-128					
Dibromomethane	51		"	50.0	101	85-121					
Dichlorodifluoromethane	41		"	50.0	81.8	10-156					
Ethyl Benzene	51		"	50.0	102	88-117					
Hexachlorobutadiene	51		"	50.0	101	82-129					
Isopropylbenzene	49		"	50.0	98.7	84-116					
Methyl tert-butyl ether (MTBE)	53		"	50.0	106	58-137					
Methylene chloride	48		"	50.0	95.2	47-140					
Naphthalene	55		"	50.0	111	65-143					
n-Butylbenzene	51		"	50.0	102	79-119					
n-Propylbenzene	49		"	50.0	97.5	82-116					



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level

**Batch BI30766 - EPA 5035A**

**LCS (BI30766-BS1)**

Prepared & Analyzed: 09/18/2013

o-Xylene	51		ug/L	50.0	102	88-111				
p- & m- Xylenes	100		"	100	103	86-117				
p-Isopropyltoluene	51		"	50.0	102	84-120				
sec-Butylbenzene	51		"	50.0	102	85-119				
Styrene	51		"	50.0	102	85-119				
tert-Butylbenzene	50		"	50.0	100	84-119				
Tetrachloroethylene	49		"	50.0	98.1	74-127				
Toluene	49		"	50.0	97.3	83-114				
trans-1,2-Dichloroethylene	49		"	50.0	98.9	68-131				
trans-1,3-Dichloropropylene	52		"	50.0	104	81-127				
Trichloroethylene	51		"	50.0	102	84-118				
Trichlorofluoromethane	56		"	50.0	112	59-148				
Vinyl Chloride	45		"	50.0	89.6	46-133				
Vinyl acetate	15		"	50.0	29.2	10-84				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.8</i>		<i>"</i>	<i>50.0</i>	<i>106</i>	<i>72-137</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>48.6</i>		<i>"</i>	<i>50.0</i>	<i>97.2</i>	<i>72-138</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.5</i>		<i>"</i>	<i>50.0</i>	<i>99.0</i>	<i>85-118</i>				

**LCS Dup (BI30766-BSD1)**

Prepared & Analyzed: 09/18/2013

1,1,1,2-Tetrachloroethane	50		ug/L	50.0	100	91-113		2.82	30
1,1,1-Trichloroethane	55		"	50.0	109	76-135		6.35	30
1,1,2,2-Tetrachloroethane	48		"	50.0	96.7	82-119		1.50	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55		"	50.0	111	68-144		4.64	30
1,1,2-Trichloroethane	48		"	50.0	96.1	82-114		3.21	30
1,1-Dichloroethane	49		"	50.0	97.6	80-119		1.01	30
1,1-Dichloroethylene	52		"	50.0	105	58-139		5.22	30
1,1-Dichloropropylene	51		"	50.0	101	75-117		5.03	30
1,2,3-Trichlorobenzene	54		"	50.0	107	72-133		2.56	30
1,2,3-Trichloropropane	52		"	50.0	105	82-117		5.91	30
1,2,4-Trichlorobenzene	51		"	50.0	102	69-135		1.64	30
1,2,4-Trimethylbenzene	50		"	50.0	100	82-116		0.662	30
1,2-Dibromo-3-chloropropane	59		"	50.0	119	72-131		7.52	30
1,2-Dibromoethane	50		"	50.0	100	86-114		0.378	30
1,2-Dichlorobenzene	49		"	50.0	98.0	85-114		1.36	30
1,2-Dichloroethane	53		"	50.0	106	72-136		1.99	30
1,2-Dichloropropane	49		"	50.0	97.8	79-119		0.367	30
1,3,5-Trimethylbenzene	51		"	50.0	103	86-114		3.49	30
1,3-Dichlorobenzene	49		"	50.0	98.9	84-114		2.93	30
1,3-Dichloropropane	49		"	50.0	97.7	82-117		0.409	30
1,4-Dichlorobenzene	50		"	50.0	99.5	82-116		2.73	30
1,4-Dioxane	1000		"	1000	100	10-208		0.163	30
2,2-Dichloropropane	53		"	50.0	105	44-148		1.74	30
2-Butanone	50		"	50.0	99.5	60-129		1.46	30
2-Chlorotoluene	54		"	50.0	108	82-114		12.0	30
4-Chlorotoluene	51		"	50.0	102	82-117		5.72	30
Acetone	41		"	50.0	82.5	26-119		2.02	30
Benzene	49		"	50.0	98.5	81-117		4.04	30
Bromobenzene	49		"	50.0	98.0	85-114		1.50	30
Bromochloromethane	48		"	50.0	96.9	79-118		3.70	30
Bromodichloromethane	51		"	50.0	103	88-123		2.40	30
Bromoform	51		"	50.0	103	85-122		2.97	30
Bromomethane	40		"	50.0	79.7	43-137		1.45	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30766 - EPA 5035A

LCS Dup (BI30766-bsd1)

Prepared & Analyzed: 09/18/2013

Carbon tetrachloride	57		ug/L	50.0		114	79-135		4.06	30	
Chlorobenzene	50		"	50.0		99.1	87-112		0.423	30	
Chloroethane	44		"	50.0		87.9	60-132		0.205	30	
Chloroform	53		"	50.0		106	80-126		6.40	30	
Chloromethane	54		"	50.0		107	36-133		0.243	30	
cis-1,2-Dichloroethylene	51		"	50.0		102	80-119		3.99	30	
cis-1,3-Dichloropropylene	52		"	50.0		105	87-125		3.21	30	
Dibromochloromethane	53		"	50.0		106	86-128		2.00	30	
Dibromomethane	51		"	50.0		102	85-121		1.00	30	
Dichlorodifluoromethane	40		"	50.0		80.7	10-156		1.40	30	
Ethyl Benzene	51		"	50.0		101	88-117		0.866	30	
Hexachlorobutadiene	50		"	50.0		100	82-129		1.11	30	
Isopropylbenzene	50		"	50.0		99.5	84-116		0.847	30	
Methyl tert-butyl ether (MTBE)	53		"	50.0		106	58-137		0.151	30	
Methylene chloride	47		"	50.0		93.9	47-140		1.37	30	
Naphthalene	55		"	50.0		110	65-143		0.689	30	
n-Butylbenzene	52		"	50.0		104	79-119		2.74	30	
n-Propylbenzene	50		"	50.0		99.8	82-116		2.31	30	
o-Xylene	51		"	50.0		102	88-111		0.00	30	
p- & m- Xylenes	100		"	100		103	86-117		0.0967	30	
p-Isopropyltoluene	53		"	50.0		106	84-120		3.61	30	
sec-Butylbenzene	53		"	50.0		105	85-119		3.41	30	
Styrene	51		"	50.0		102	85-119		0.294	30	
tert-Butylbenzene	51		"	50.0		102	84-119		1.68	30	
Tetrachloroethylene	50		"	50.0		99.0	74-127		0.954	30	
Toluene	50		"	50.0		99.0	83-114		1.77	30	
trans-1,2-Dichloroethylene	49		"	50.0		98.8	68-131		0.101	30	
trans-1,3-Dichloropropylene	53		"	50.0		105	81-127		1.49	30	
Trichloroethylene	50		"	50.0		99.4	84-118		2.07	30	
Trichlorofluoromethane	61		"	50.0		122	59-148		8.68	30	
Vinyl Chloride	47		"	50.0		93.8	46-133		4.67	30	
Vinyl acetate	15		"	50.0		30.4	10-84		4.02	30	
Surrogate: 1,2-Dichloroethane-d4	54.0		"	50.0		108	72-137				
Surrogate: p-Bromofluorobenzene	48.5		"	50.0		96.9	72-138				
Surrogate: Toluene-d8	49.1		"	50.0		98.2	85-118				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30631 - EPA 3550B

Blank (BI30631-BLK1)

Prepared & Analyzed: 09/16/2013

Acenaphthene	ND	0.167	mg/kg wet								
Acenaphthylene	ND	0.167	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.167	"								
Benzo(a)anthracene	ND	0.167	"								
Benzo(a)pyrene	ND	0.167	"								
Benzo(b)fluoranthene	ND	0.167	"								
Benzo(g,h,i)perylene	ND	0.167	"								
Benzo(k)fluoranthene	ND	0.167	"								
Benzyl alcohol	ND	0.167	"								
Benzyl butyl phthalate	ND	0.167	"								
4-Bromophenyl phenyl ether	ND	0.167	"								
4-Chloro-3-methylphenol	ND	0.167	"								
4-Chloroaniline	ND	0.167	"								
Bis(2-chloroethoxy)methane	ND	0.167	"								
Bis(2-chloroethyl)ether	ND	0.167	"								
Bis(2-chloroisopropyl)ether	ND	0.167	"								
2-Chloronaphthalene	ND	0.167	"								
2-Chlorophenol	ND	0.167	"								
4-Chlorophenyl phenyl ether	ND	0.167	"								
Chrysene	ND	0.167	"								
Dibenzo(a,h)anthracene	ND	0.167	"								
Dibenzofuran	ND	0.167	"								
Di-n-butyl phthalate	ND	0.167	"								
1,3-Dichlorobenzene	ND	0.167	"								
1,4-Dichlorobenzene	ND	0.167	"								
1,2-Dichlorobenzene	ND	0.167	"								
3,3'-Dichlorobenzidine	ND	0.333	"								
2,4-Dichlorophenol	ND	0.167	"								
Diethyl phthalate	ND	0.167	"								
2,4-Dimethylphenol	ND	0.167	"								
Dimethyl phthalate	ND	0.167	"								
4,6-Dinitro-2-methylphenol	ND	0.167	"								
2,4-Dinitrophenol	0.244	0.333	"								
2,4-Dinitrotoluene	ND	0.167	"								
2,6-Dinitrotoluene	ND	0.167	"								
Di-n-octyl phthalate	ND	0.167	"								
Bis(2-ethylhexyl)phthalate	ND	0.167	"								
Fluoranthene	ND	0.167	"								
Fluorene	ND	0.167	"								
Hexachlorobenzene	ND	0.167	"								
Hexachlorobutadiene	ND	0.167	"								
Hexachlorocyclopentadiene	ND	0.167	"								
Hexachloroethane	ND	0.167	"								
Indeno(1,2,3-cd)pyrene	ND	0.167	"								
Isophorone	ND	0.167	"								
2-Methylnaphthalene	ND	0.167	"								
2-Methylphenol	ND	0.167	"								
3- & 4-Methylphenols	ND	0.167	"								
Naphthalene	ND	0.167	"								
3-Nitroaniline	ND	0.167	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI30631 - EPA 3550B**

**Blank (BI30631-BLK1)**

Prepared & Analyzed: 09/16/2013

2-Nitroaniline	ND	0.167	mg/kg wet								
4-Nitroaniline	ND	0.167	"								
Nitrobenzene	ND	0.167	"								
2-Nitrophenol	ND	0.167	"								
4-Nitrophenol	ND	0.167	"								
N-nitroso-di-n-propylamine	ND	0.167	"								
N-Nitrosodimethylamine	ND	0.167	"								
N-Nitrosodiphenylamine	ND	0.167	"								
Pentachlorophenol	ND	0.167	"								
Phenanthrene	ND	0.167	"								
Phenol	ND	0.167	"								
Pyrene	ND	0.167	"								
Pyridine	ND	0.167	"								
1,2,4-Trichlorobenzene	ND	0.167	"								
2,4,6-Trichlorophenol	ND	0.167	"								
2,4,5-Trichlorophenol	ND	0.167	"								
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.54</i>		<i>"</i>	<i>2.61</i>		<i>59.0</i>	<i>10-142</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.16</i>		<i>"</i>	<i>1.67</i>		<i>69.9</i>	<i>10-111</i>				
<i>Surrogate: 2-Fluorophenol</i>	<i>1.93</i>		<i>"</i>	<i>2.49</i>		<i>77.5</i>	<i>10-109</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.29</i>		<i>"</i>	<i>1.69</i>		<i>76.3</i>	<i>10-148</i>				
<i>Surrogate: Phenol-d5</i>	<i>1.95</i>		<i>"</i>	<i>2.51</i>		<i>77.7</i>	<i>10-124</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1.21</i>		<i>"</i>	<i>1.70</i>		<i>71.3</i>	<i>10-147</i>				

**LCS (BI30631-BS1)**

Prepared & Analyzed: 09/16/2013

Acenaphthene	1.38	0.167	mg/kg wet	1.67		82.8	35-127				
Acenaphthylene	1.31	0.167	"	1.67		78.7	37-121				
Aniline	1.24	0.167	"	1.67		74.6	10-149				
Anthracene	1.45	0.167	"	1.67		87.3	38-131				
Benzo(a)anthracene	1.46	0.167	"	1.67		87.9	37-137				
Benzo(a)pyrene	1.40	0.167	"	1.67		84.1	33-162				
Benzo(b)fluoranthene	1.42	0.167	"	1.67		85.5	26-160				
Benzo(g,h,i)perylene	1.04	0.167	"	1.67		62.1	10-154				
Benzo(k)fluoranthene	1.17	0.167	"	1.67		70.0	34-143				
Benzyl alcohol	1.48	0.167	"	1.67		89.1	33-124				
Benzyl butyl phthalate	1.50	0.167	"	1.67		89.8	30-143				
4-Bromophenyl phenyl ether	1.30	0.167	"	1.67		77.9	35-135				
4-Chloro-3-methylphenol	1.56	0.167	"	1.67		93.4	34-133				
4-Chloroaniline	1.62	0.167	"	1.67		97.2	17-175				
Bis(2-chloroethoxy)methane	1.54	0.167	"	1.67		92.4	31-119				
Bis(2-chloroethyl)ether	1.58	0.167	"	1.67		94.5	18-124				
Bis(2-chloroisopropyl)ether	1.56	0.167	"	1.67		93.3	10-141				
2-Chloronaphthalene	1.41	0.167	"	1.67		84.5	34-117				
2-Chlorophenol	1.37	0.167	"	1.67		82.1	32-123				
4-Chlorophenyl phenyl ether	1.31	0.167	"	1.67		78.6	25-142				
Chrysene	1.41	0.167	"	1.67		84.9	38-132				
Dibenzo(a,h)anthracene	1.10	0.167	"	1.67		66.2	14-153				
Dibenzofuran	1.38	0.167	"	1.67		82.7	39-123				
Di-n-butyl phthalate	1.42	0.167	"	1.67		85.4	35-132				
1,3-Dichlorobenzene	1.25	0.167	"	1.67		75.3	22-120				
1,4-Dichlorobenzene	1.40	0.167	"	1.67		84.1	20-122				
1,2-Dichlorobenzene	1.34	0.167	"	1.67		80.5	22-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30631 - EPA 3550B

LCS (BI30631-BS1)

Prepared & Analyzed: 09/16/2013

3,3'-Dichlorobenzidine	1.31	0.333	mg/kg wet	1.67		78.6	16-177				
2,4-Dichlorophenol	1.46	0.167	"	1.67		87.4	30-134				
Diethyl phthalate	1.38	0.167	"	1.67		82.6	41-125				
2,4-Dimethylphenol	1.37	0.167	"	1.67		82.4	33-120				
Dimethyl phthalate	1.40	0.167	"	1.67		84.0	39-125				
4,6-Dinitro-2-methylphenol	0.242	0.167	"	1.67		14.5	10-165				
2,4-Dinitrophenol	0.415	0.333	"	1.67		24.9	53-209	Low Bias			
2,4-Dinitrotoluene	1.44	0.167	"	1.67		86.5	41-129				
2,6-Dinitrotoluene	1.48	0.167	"	1.67		89.0	42-130				
Di-n-octyl phthalate	1.56	0.167	"	1.67		93.4	19-162				
Bis(2-ethylhexyl)phthalate	1.51	0.167	"	1.67		90.5	35-137				
Fluoranthene	1.41	0.167	"	1.67		84.8	35-136				
Fluorene	1.37	0.167	"	1.67		82.0	33-134				
Hexachlorobenzene	1.51	0.167	"	1.67		90.7	31-139				
Hexachlorobutadiene	1.26	0.167	"	1.67		75.8	19-137				
Hexachlorocyclopentadiene	ND	0.167	"	1.67			10-145	Low Bias			
Hexachloroethane	1.27	0.167	"	1.67		76.3	12-125				
Indeno(1,2,3-cd)pyrene	1.14	0.167	"	1.67		68.1	11-155				
Isophorone	1.64	0.167	"	1.67		98.3	30-125				
2-Methylnaphthalene	1.41	0.167	"	1.67		84.5	30-125				
2-Methylphenol	1.45	0.167	"	1.67		87.2	30-128				
3- & 4-Methylphenols	1.38	0.167	"	1.67		83.1	30-120				
Naphthalene	1.39	0.167	"	1.67		83.1	28-121				
3-Nitroaniline	1.65	0.167	"	1.67		98.7	10-234				
2-Nitroaniline	1.50	0.167	"	1.67		90.0	38-130				
4-Nitroaniline	1.64	0.167	"	1.67		98.5	10-208				
Nitrobenzene	1.49	0.167	"	1.67		89.6	28-118				
2-Nitrophenol	1.37	0.167	"	1.67		82.0	23-129				
4-Nitrophenol	1.05	0.167	"	1.67		62.9	10-185				
N-nitroso-di-n-propylamine	1.46	0.167	"	1.67		87.3	21-136				
N-Nitrosodimethylamine	1.48	0.167	"	1.67		88.6	10-131				
N-Nitrosodiphenylamine	1.59	0.167	"	1.67		95.6	36-163				
Pentachlorophenol	1.20	0.167	"	1.67		72.3	15-182				
Phenanthrene	1.41	0.167	"	1.67		84.7	37-132				
Phenol	1.50	0.167	"	1.67		90.1	28-124				
Pyrene	1.42	0.167	"	1.67		85.5	30-147				
Pyridine	0.647	0.167	"	1.67		38.8	10-113				
1,2,4-Trichlorobenzene	1.38	0.167	"	1.67		82.7	22-129				
2,4,6-Trichlorophenol	1.33	0.167	"	1.67		79.6	36-130				
2,4,5-Trichlorophenol	1.24	0.167	"	1.67		74.4	34-126				
Surrogate: 2,4,6-Tribromophenol	1.88		"	2.61		72.1	10-142				
Surrogate: 2-Fluorobiphenyl	1.21		"	1.67		72.5	10-111				
Surrogate: 2-Fluorophenol	2.26		"	2.49		91.0	10-109				
Surrogate: Nitrobenzene-d5	1.43		"	1.69		84.3	10-148				
Surrogate: Phenol-d5	2.22		"	2.51		88.6	10-124				
Surrogate: Terphenyl-d14	1.23		"	1.70		72.1	10-147				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI30631 - EPA 3550B</b>											
<b>LCS Dup (BI30631-bsd1)</b>											
Prepared & Analyzed: 09/16/2013											
Acenaphthene	1.50	0.167	mg/kg wet	1.67		90.0	35-127		8.38	30	
Acenaphthylene	1.42	0.167	"	1.67		85.0	37-121		7.70	30	
Aniline	1.41	0.167	"	1.67		84.4	10-149		12.3	30	
Anthracene	1.53	0.167	"	1.67		91.7	38-131		4.96	30	
Benzo(a)anthracene	1.58	0.167	"	1.67		95.1	37-137		7.87	30	
Benzo(a)pyrene	1.49	0.167	"	1.67		89.6	33-162		6.29	30	
Benzo(b)fluoranthene	1.48	0.167	"	1.67		88.7	26-160		3.63	30	
Benzo(g,h,i)perylene	1.16	0.167	"	1.67		69.9	10-154		11.7	30	
Benzo(k)fluoranthene	1.33	0.167	"	1.67		79.9	34-143		13.2	30	
Benzyl alcohol	1.65	0.167	"	1.67		99.1	33-124		10.6	30	
Benzyl butyl phthalate	1.61	0.167	"	1.67		96.4	30-143		7.11	30	
4-Bromophenyl phenyl ether	1.41	0.167	"	1.67		84.7	35-135		8.34	30	
4-Chloro-3-methylphenol	1.65	0.167	"	1.67		99.1	34-133		5.92	30	
4-Chloroaniline	1.69	0.167	"	1.67		101	17-175		4.07	30	
Bis(2-chloroethoxy)methane	1.67	0.167	"	1.67		100	31-119		7.92	30	
Bis(2-chloroethyl)ether	1.70	0.167	"	1.67		102	18-124		7.81	30	
Bis(2-chloroisopropyl)ether	1.78	0.167	"	1.67		106	10-141		13.2	30	
2-Chloronaphthalene	1.51	0.167	"	1.67		90.9	34-117		7.23	30	
2-Chlorophenol	1.52	0.167	"	1.67		91.0	32-123		10.3	30	
4-Chlorophenyl phenyl ether	1.40	0.167	"	1.67		83.9	25-142		6.57	30	
Chrysene	1.52	0.167	"	1.67		91.1	38-132		7.05	30	
Dibenzo(a,h)anthracene	1.25	0.167	"	1.67		74.8	14-153		12.3	30	
Dibenzofuran	1.49	0.167	"	1.67		89.6	39-123		8.01	30	
Di-n-butyl phthalate	1.55	0.167	"	1.67		93.1	35-132		8.62	30	
1,3-Dichlorobenzene	1.47	0.167	"	1.67		88.0	22-120		15.6	30	
1,4-Dichlorobenzene	1.54	0.167	"	1.67		92.5	20-122		9.44	30	
1,2-Dichlorobenzene	1.52	0.167	"	1.67		91.3	22-121		12.6	30	
3,3'-Dichlorobenzidine	1.44	0.333	"	1.67		86.4	16-177		9.53	30	
2,4-Dichlorophenol	1.39	0.167	"	1.67		83.5	30-134		4.59	30	
Diethyl phthalate	1.48	0.167	"	1.67		89.0	41-125		7.43	30	
2,4-Dimethylphenol	1.40	0.167	"	1.67		83.8	33-120		1.76	30	
Dimethyl phthalate	1.56	0.167	"	1.67		93.3	39-125		10.5	30	
4,6-Dinitro-2-methylphenol	0.249	0.167	"	1.67		14.9	10-165		2.58	30	
2,4-Dinitrophenol	0.518	0.333	"	1.67		31.1	53-209	Low Bias	22.2	30	
2,4-Dinitrotoluene	1.55	0.167	"	1.67		93.0	41-129		7.20	30	
2,6-Dinitrotoluene	1.58	0.167	"	1.67		94.9	42-130		6.46	30	
Di-n-octyl phthalate	1.66	0.167	"	1.67		99.6	19-162		6.45	30	
Bis(2-ethylhexyl)phthalate	1.66	0.167	"	1.67		99.6	35-137		9.53	30	
Fluoranthene	1.49	0.167	"	1.67		89.7	35-136		5.60	30	
Fluorene	1.48	0.167	"	1.67		88.6	33-134		7.72	30	
Hexachlorobenzene	1.53	0.167	"	1.67		91.9	31-139		1.27	30	
Hexachlorobutadiene	1.36	0.167	"	1.67		81.7	19-137		7.57	30	
Hexachlorocyclopentadiene	ND	0.167	"	1.67			10-145	Low Bias		30	
Hexachloroethane	1.44	0.167	"	1.67		86.7	12-125		12.7	30	
Indeno(1,2,3-cd)pyrene	1.25	0.167	"	1.67		75.2	11-155		9.82	30	
Isophorone	1.69	0.167	"	1.67		101	30-125		2.95	30	
2-Methylnaphthalene	1.55	0.167	"	1.67		92.7	30-125		9.35	30	
2-Methylphenol	1.62	0.167	"	1.67		97.2	30-128		10.9	30	
3- & 4-Methylphenols	1.48	0.167	"	1.67		89.1	30-120		6.99	30	
Naphthalene	1.50	0.167	"	1.67		89.7	28-121		7.64	30	
3-Nitroaniline	1.79	0.167	"	1.67		107	10-234		8.18	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI30631 - EPA 3550B**

**LCS Dup (BI30631-BSD1)**

Prepared & Analyzed: 09/16/2013

2-Nitroaniline	1.60	0.167	mg/kg wet	1.67		96.2	38-130		6.66	30	
4-Nitroaniline	1.75	0.167	"	1.67		105	10-208		6.37	30	
Nitrobenzene	1.69	0.167	"	1.67		101	28-118		12.2	30	
2-Nitrophenol	1.48	0.167	"	1.67		88.9	23-129		8.07	30	
4-Nitrophenol	1.03	0.167	"	1.67		62.0	10-185		1.35	30	
N-nitroso-di-n-propylamine	1.67	0.167	"	1.67		100	21-136		13.6	30	
N-Nitrosodimethylamine	1.67	0.167	"	1.67		100	10-131		12.6	30	
N-Nitrosodiphenylamine	1.71	0.167	"	1.67		103	36-163		7.10	30	
Pentachlorophenol	1.21	0.167	"	1.67		72.6	15-182		0.387	30	
Phenanthrene	1.52	0.167	"	1.67		91.4	37-132		7.59	30	
Phenol	1.62	0.167	"	1.67		96.9	28-124		7.23	30	
Pyrene	1.53	0.167	"	1.67		91.8	30-147		7.11	30	
Pyridine	0.335	0.167	"	1.67		20.1	10-113		63.5	30	Non-dir.
1,2,4-Trichlorobenzene	1.48	0.167	"	1.67		88.8	22-129		7.21	30	
2,4,6-Trichlorophenol	1.41	0.167	"	1.67		84.3	36-130		5.73	30	
2,4,5-Trichlorophenol	1.25	0.167	"	1.67		75.2	34-126		1.15	30	
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.88</i>		<i>"</i>	<i>2.61</i>		<i>72.1</i>	<i>10-142</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.24</i>		<i>"</i>	<i>1.67</i>		<i>74.2</i>	<i>10-111</i>				
<i>Surrogate: 2-Fluorophenol</i>	<i>2.08</i>		<i>"</i>	<i>2.49</i>		<i>83.8</i>	<i>10-109</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.49</i>		<i>"</i>	<i>1.69</i>		<i>87.8</i>	<i>10-148</i>				
<i>Surrogate: Phenol-d5</i>	<i>2.15</i>		<i>"</i>	<i>2.51</i>		<i>85.7</i>	<i>10-124</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1.23</i>		<i>"</i>	<i>1.70</i>		<i>72.4</i>	<i>10-147</i>				

**Batch BI30679 - EPA 3510C**

**Blank (BI30679-BLK1)**

Prepared: 09/16/2013 Analyzed: 09/17/2013

Acenaphthene	ND	5.00	ug/L								
Acenaphthylene	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	5.00	"								
Benzo(a)anthracene	ND	5.00	"								
Benzo(a)pyrene	ND	5.00	"								
Benzo(b)fluoranthene	ND	5.00	"								
Benzo(g,h,i)perylene	ND	5.00	"								
Benzo(k)fluoranthene	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
Chrysene	ND	5.00	"								
Dibenzo(a,h)anthracene	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30679 - EPA 3510C

Blank (BI30679-BLK1)

Prepared: 09/16/2013 Analyzed: 09/17/2013

1,2-Dichlorobenzene	ND	5.00	ug/L								
3,3'-Dichlorobenzidine	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	10.0	"								
2,4-Dinitrophenol	ND	10.0	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	5.00	"								
Fluoranthene	ND	5.00	"								
Fluorene	ND	5.00	"								
Hexachlorobenzene	ND	5.00	"								
Hexachlorobutadiene	ND	5.00	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	5.00	"								
Indeno(1,2,3-cd)pyrene	ND	5.00	"								
Isophorone	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
Naphthalene	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
Nitrobenzene	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodimethylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	5.00	"								
Phenanthrene	ND	5.00	"								
Phenol	ND	5.00	"								
Pyrene	ND	5.00	"								
Pyridine	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
Surrogate: 2,4,6-Tribromophenol	67.1		"	78.4		85.5	17-127				
Surrogate: 2-Fluorobiphenyl	34.1		"	50.0		68.3	14-101				
Surrogate: 2-Fluorophenol	21.0		"	74.6		28.1	10-52				
Surrogate: Nitrobenzene-d5	43.7		"	50.8		85.9	12-112				
Surrogate: Phenol-d5	14.4		"	75.3		19.1	10-117				
Surrogate: Terphenyl-d14	46.0		"	51.0		90.1	10-151				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	

Batch BI30679 - EPA 3510C

LCS (BI30679-BS1)

Prepared: 09/16/2013 Analyzed: 09/17/2013

Acenaphthene	48.8	5.00	ug/L	50.0		97.6	31-101				
Acenaphthylene	41.0	5.00	"	50.0		81.9	29-98				
Aniline	42.4	5.00	"	50.0		84.7	10-132				
Anthracene	40.2	5.00	"	50.0		80.5	24-108				
Benzo(a)anthracene	39.2	5.00	"	50.0		78.3	28-117				
Benzo(a)pyrene	44.8	5.00	"	50.0		89.6	24-131				
Benzo(b)fluoranthene	54.2	5.00	"	50.0		108	11-145				
Benzo(g,h,i)perylene	42.5	5.00	"	50.0		84.9	10-110				
Benzo(k)fluoranthene	25.6	5.00	"	50.0		51.2	10-161				
Benzyl alcohol	23.4	5.00	"	50.0		46.8	11-82				
Benzyl butyl phthalate	42.8	5.00	"	50.0		85.5	14-134				
4-Bromophenyl phenyl ether	43.9	5.00	"	50.0		87.8	28-109				
4-Chloro-3-methylphenol	39.4	5.00	"	50.0		78.7	23-100				
4-Chloroaniline	59.3	5.00	"	50.0		119	17-168				
Bis(2-chloroethoxy)methane	43.9	5.00	"	50.0		87.8	23-106				
Bis(2-chloroethyl)ether	35.3	5.00	"	50.0		70.5	14-116				
Bis(2-chloroisopropyl)ether	38.0	5.00	"	50.0		76.0	10-155				
2-Chloronaphthalene	41.3	5.00	"	50.0		82.6	32-94				
2-Chlorophenol	31.6	5.00	"	50.0		63.2	16-99				
4-Chlorophenyl phenyl ether	51.5	5.00	"	50.0		103	26-113				
Chrysene	40.1	5.00	"	50.0		80.2	26-112				
Dibenzo(a,h)anthracene	45.7	5.00	"	50.0		91.4	12-104				
Dibenzofuran	42.9	5.00	"	50.0		85.8	36-96				
Di-n-butyl phthalate	39.0	5.00	"	50.0		78.0	20-119				
1,4-Dichlorobenzene	43.8	5.00	"	50.0		87.6	20-100				
1,3-Dichlorobenzene	37.3	5.00	"	50.0		74.6	19-94				
1,2-Dichlorobenzene	38.0	5.00	"	50.0		76.0	22-97				
3,3'-Dichlorobenzidine	56.9	5.00	"	50.0		114	25-154				
2,4-Dichlorophenol	37.0	5.00	"	50.0		74.1	28-97				
Diethyl phthalate	47.1	5.00	"	50.0		94.2	34-104				
2,4-Dimethylphenol	34.4	5.00	"	50.0		68.7	23-94				
Dimethyl phthalate	45.7	5.00	"	50.0		91.3	33-104				
4,6-Dinitro-2-methylphenol	48.1	10.0	"	50.0		96.3	10-133				
2,4-Dinitrophenol	65.9	10.0	"	50.0		132	10-145				
2,4-Dinitrotoluene	46.9	5.00	"	50.0		93.8	32-104				
2,6-Dinitrotoluene	47.1	5.00	"	50.0		94.2	34-105				
Di-n-octyl phthalate	41.0	5.00	"	50.0		82.0	10-144				
Bis(2-ethylhexyl)phthalate	44.5	5.00	"	50.0		88.9	10-171				
Fluoranthene	39.1	5.00	"	50.0		78.2	27-110				
Fluorene	48.4	5.00	"	50.0		96.9	32-107				
Hexachlorobenzene	47.7	5.00	"	50.0		95.4	16-127				
Hexachlorobutadiene	42.1	5.00	"	50.0		84.3	22-95				
Hexachlorocyclopentadiene	34.7	5.00	"	50.0		69.3	10-101				
Hexachloroethane	43.5	5.00	"	50.0		87.0	10-99				
Indeno(1,2,3-cd)pyrene	47.0	5.00	"	50.0		94.1	10-107				
Isophorone	46.3	5.00	"	50.0		92.6	19-119				
2-Methylnaphthalene	40.7	5.00	"	50.0		81.3	27-97				
2-Methylphenol	26.6	5.00	"	50.0		53.2	10-88				
3- & 4-Methylphenols	21.6	5.00	"	50.0		43.2	10-71				
Naphthalene	38.4	5.00	"	50.0		76.7	27-95				
4-Nitroaniline	65.6	5.00	"	50.0		131	10-139				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30679 - EPA 3510C

LCS (BI30679-BS1)

Prepared: 09/16/2013 Analyzed: 09/17/2013

3-Nitroaniline	73.5	5.00	ug/L	50.0		147	10-221				
2-Nitroaniline	44.6	5.00	"	50.0		89.2	33-106				
Nitrobenzene	46.2	5.00	"	50.0		92.4	16-114				
4-Nitrophenol	24.2	5.00	"	50.0		48.3	10-55				
2-Nitrophenol	38.9	5.00	"	50.0		77.8	24-101				
N-nitroso-di-n-propylamine	52.9	5.00	"	50.0		106	14-133				
N-Nitrosodimethylamine	19.6	5.00	"	50.0		39.3	10-77				
N-Nitrosodiphenylamine	58.1	5.00	"	50.0		116	39-123				
Pentachlorophenol	48.9	5.00	"	50.0		97.9	15-150				
Phenanthrene	39.9	5.00	"	50.0		79.9	26-109				
Phenol	12.8	5.00	"	50.0		25.7	10-57				
Pyrene	36.4	5.00	"	50.0		72.7	23-126				
Pyridine	12.1	5.00	"	50.0		24.2	10-69				
1,2,4-Trichlorobenzene	39.0	5.00	"	50.0		78.1	25-91				
2,4,5-Trichlorophenol	46.1	5.00	"	50.0		92.1	30-102				
2,4,6-Trichlorophenol	44.2	5.00	"	50.0		88.3	34-100				
Surrogate: 2,4,6-Tribromophenol	71.7		"	78.4		91.5	17-127				
Surrogate: 2-Fluorobiphenyl	43.2		"	50.0		86.3	14-101				
Surrogate: 2-Fluorophenol	24.4		"	74.6		32.7	10-52				
Surrogate: Nitrobenzene-d5	46.8		"	50.8		92.1	12-112				
Surrogate: Phenol-d5	19.9		"	75.3		26.4	10-117				
Surrogate: Terphenyl-d14	39.7		"	51.0		77.9	10-151				

LCS Dup (BI30679-BSD1)

Prepared: 09/16/2013 Analyzed: 09/17/2013

Acenaphthene	45.8	5.00	ug/L	50.0		91.6	31-101	6.34	20		
Acenaphthylene	38.2	5.00	"	50.0		76.4	29-98	6.97	20		
Aniline	34.3	5.00	"	50.0		68.5	10-132	21.1	20		Non-dir.
Anthracene	38.2	5.00	"	50.0		76.4	24-108	5.18	20		
Benzo(a)anthracene	37.4	5.00	"	50.0		74.7	28-117	4.73	20		
Benzo(a)pyrene	44.0	5.00	"	50.0		88.1	24-131	1.64	20		
Benzo(b)fluoranthene	48.4	5.00	"	50.0		96.8	11-145	11.2	20		
Benzo(g,h,i)perylene	39.7	5.00	"	50.0		79.3	10-110	6.82	20		
Benzo(k)fluoranthene	30.0	5.00	"	50.0		60.0	10-161	15.8	20		
Benzyl alcohol	21.3	5.00	"	50.0		42.6	11-82	9.26	20		
Benzyl butyl phthalate	42.2	5.00	"	50.0		84.4	14-134	1.39	20		
4-Bromophenyl phenyl ether	41.5	5.00	"	50.0		83.0	28-109	5.53	20		
4-Chloro-3-methylphenol	35.8	5.00	"	50.0		71.6	23-100	9.44	20		
4-Chloroaniline	52.9	5.00	"	50.0		106	17-168	11.5	20		
Bis(2-chloroethoxy)methane	41.6	5.00	"	50.0		83.2	23-106	5.35	20		
Bis(2-chloroethyl)ether	31.3	5.00	"	50.0		62.6	14-116	11.9	20		
Bis(2-chloroisopropyl)ether	34.8	5.00	"	50.0		69.6	10-155	8.79	20		
2-Chloronaphthalene	38.5	5.00	"	50.0		77.0	32-94	7.02	20		
2-Chlorophenol	28.8	5.00	"	50.0		57.6	16-99	9.24	20		
4-Chlorophenyl phenyl ether	47.7	5.00	"	50.0		95.5	26-113	7.64	20		
Chrysene	39.3	5.00	"	50.0		78.6	26-112	1.99	20		
Dibenzo(a,h)anthracene	42.9	5.00	"	50.0		85.8	12-104	6.32	20		
Dibenzofuran	40.1	5.00	"	50.0		80.2	36-96	6.67	20		
Di-n-butyl phthalate	37.2	5.00	"	50.0		74.5	20-119	4.64	20		
1,4-Dichlorobenzene	38.6	5.00	"	50.0		77.2	20-100	12.6	20		
1,3-Dichlorobenzene	32.9	5.00	"	50.0		65.7	19-94	12.7	20		
1,2-Dichlorobenzene	33.0	5.00	"	50.0		66.1	22-97	14.0	20		



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI30679 - EPA 3510C</b>											
<b>LCS Dup (BI30679-BSD1)</b>											
Prepared: 09/16/2013 Analyzed: 09/17/2013											
3,3'-Dichlorobenzidine	56.9	5.00	ug/L	50.0		114	25-154		0.123	20	
2,4-Dichlorophenol	34.5	5.00	"	50.0		69.0	28-97		7.10	20	
Diethyl phthalate	44.5	5.00	"	50.0		88.9	34-104		5.79	20	
2,4-Dimethylphenol	32.5	5.00	"	50.0		64.9	23-94		5.69	20	
Dimethyl phthalate	42.9	5.00	"	50.0		85.8	33-104		6.23	20	
4,6-Dinitro-2-methylphenol	47.7	10.0	"	50.0		95.4	10-133		0.856	20	
2,4-Dinitrophenol	37.0	10.0	"	50.0		74.0	10-145		56.2	20	Non-dir.
2,4-Dinitrotoluene	43.3	5.00	"	50.0		86.6	32-104		8.03	20	
2,6-Dinitrotoluene	44.2	5.00	"	50.0		88.5	34-105		6.31	20	
Di-n-octyl phthalate	39.9	5.00	"	50.0		79.8	10-144		2.72	20	
Bis(2-ethylhexyl)phthalate	43.5	5.00	"	50.0		87.0	10-171		2.21	20	
Fluoranthene	36.9	5.00	"	50.0		73.9	27-110		5.63	20	
Fluorene	45.3	5.00	"	50.0		90.7	32-107		6.63	20	
Hexachlorobenzene	45.3	5.00	"	50.0		90.5	16-127		5.23	20	
Hexachlorobutadiene	37.8	5.00	"	50.0		75.6	22-95		10.8	20	
Hexachlorocyclopentadiene	35.4	5.00	"	50.0		70.8	10-101		2.08	20	
Hexachloroethane	38.3	5.00	"	50.0		76.5	10-99		12.9	20	
Indeno(1,2,3-cd)pyrene	43.8	5.00	"	50.0		87.7	10-107		7.02	20	
Isophorone	44.0	5.00	"	50.0		87.9	19-119		5.19	20	
2-Methylnaphthalene	37.6	5.00	"	50.0		75.2	27-97		7.79	20	
2-Methylphenol	13.6	5.00	"	50.0		27.1	10-88		65.0	20	Non-dir.
3- & 4-Methylphenols	19.7	5.00	"	50.0		39.4	10-71		9.10	20	
Naphthalene	35.4	5.00	"	50.0		70.9	27-95		7.86	20	
4-Nitroaniline	58.9	5.00	"	50.0		118	10-139		10.7	20	
3-Nitroaniline	66.2	5.00	"	50.0		132	10-221		10.4	20	
2-Nitroaniline	42.7	5.00	"	50.0		85.4	33-106		4.28	20	
Nitrobenzene	43.2	5.00	"	50.0		86.5	16-114		6.62	20	
4-Nitrophenol	6.87	5.00	"	50.0		13.7	10-55		111	20	Non-dir.
2-Nitrophenol	36.9	5.00	"	50.0		73.8	24-101		5.36	20	
N-nitroso-di-n-propylamine	47.9	5.00	"	50.0		95.9	14-133		9.88	20	
N-Nitrosodimethylamine	16.7	5.00	"	50.0		33.4	10-77		16.2	20	
N-Nitrosodiphenylamine	55.4	5.00	"	50.0		111	39-123		4.67	20	
Pentachlorophenol	44.6	5.00	"	50.0		89.1	15-150		9.37	20	
Phenanthrene	37.2	5.00	"	50.0		74.3	26-109		7.24	20	
Phenol	11.6	5.00	"	50.0		23.3	10-57		9.89	20	
Pyrene	35.5	5.00	"	50.0		71.1	23-126		2.28	20	
Pyridine	10.1	5.00	"	50.0		20.2	10-69		18.0	20	
1,2,4-Trichlorobenzene	35.5	5.00	"	50.0		71.0	25-91		9.44	20	
2,4,5-Trichlorophenol	42.7	5.00	"	50.0		85.5	30-102		7.52	20	
2,4,6-Trichlorophenol	41.2	5.00	"	50.0		82.5	34-100		6.84	20	
Surrogate: 2,4,6-Tribromophenol	67.9		"	78.4		86.6	17-127				
Surrogate: 2-Fluorobiphenyl	40.9		"	50.0		81.8	14-101				
Surrogate: 2-Fluorophenol	21.6		"	74.6		28.9	10-52				
Surrogate: Nitrobenzene-d5	43.9		"	50.8		86.5	12-112				
Surrogate: Phenol-d5	16.7		"	75.3		22.2	10-117				
Surrogate: Terphenyl-d14	39.5		"	51.0		77.5	10-151				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	
		Limit								Limit	Flag

**Batch BI30647 - EPA 3050B**

**Blank (BI30647-BLK1)**

Prepared & Analyzed: 09/16/2013

Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								

**Reference (BI30647-SRM1)**

Prepared & Analyzed: 09/16/2013

Aluminum	7280	1.00	mg/kg wet	9060	80.3	42.6-157
Antimony	89.5	0.500	"	106	84.5	23.1-256
Arsenic	181	1.00	"	182	99.6	70.9-130
Barium	138	1.00	"	143	96.4	72.7-128
Beryllium	92.6	0.100	"	98.3	94.2	74.6-125
Cadmium	56.1	0.300	"	60.4	92.9	73.2-129
Calcium	5730	5.00	"	6040	94.9	73.7-126
Chromium	114	0.500	"	125	91.0	69.8-130
Cobalt	162	0.500	"	163	99.6	74.2-125
Copper	79.1	0.500	"	80.1	98.8	73.7-130
Iron	11500	2.00	"	12900	89.4	32.3-168
Lead	127	0.300	"	136	93.6	73.1-127
Magnesium	2250	5.00	"	2640	85.2	64-136
Manganese	271	0.500	"	279	97.0	74.2-126
Nickel	135	0.500	"	128	105	73.1-130
Potassium	2490	5.00	"	2820	88.1	62.1-138
Selenium	88.2	1.00	"	85.9	103	63.9-136
Silver	54.7	0.500	"	61.3	89.2	66.9-133
Sodium	620	10.0	"	439	141	48.3-152
Thallium	131	1.00	"	144	91.0	68.3-132
Vanadium	95.8	1.00	"	104	92.1	66-134
Zinc	193	1.00	"	204	94.8	69.6-133



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Flag
		Limit								Limit	

**Batch BI30673 - EPA 3010A**

**Blank (BI30673-BLK1)**

Prepared & Analyzed: 09/16/2013

Aluminum - Dissolved	ND	0.010	mg/L
Antimony - Dissolved	ND	0.005	"
Arsenic - Dissolved	ND	0.004	"
Barium - Dissolved	ND	0.010	"
Beryllium - Dissolved	ND	0.001	"
Cadmium - Dissolved	ND	0.003	"
Calcium - Dissolved	ND	0.050	"
Chromium - Dissolved	ND	0.005	"
Cobalt - Dissolved	ND	0.005	"
Copper - Dissolved	ND	0.003	"
Iron - Dissolved	ND	0.020	"
Lead - Dissolved	ND	0.003	"
Magnesium - Dissolved	ND	0.050	"
Manganese - Dissolved	ND	0.005	"
Nickel - Dissolved	ND	0.005	"
Potassium - Dissolved	ND	0.050	"
Selenium - Dissolved	ND	0.010	"
Silver - Dissolved	ND	0.005	"
Sodium - Dissolved	ND	0.100	"
Thallium - Dissolved	ND	0.005	"
Vanadium - Dissolved	ND	0.010	"
Zinc - Dissolved	ND	0.010	"

**Reference (BI30673-SRM1)**

Prepared & Analyzed: 09/16/2013

Aluminum - Dissolved	0.399	0.010	mg/L	0.366	109	74.9-126
Antimony - Dissolved	0.095	0.005	"	0.102	92.9	59.4-125
Arsenic - Dissolved	0.465	0.004	"	0.482	96.5	83.8-117
Barium - Dissolved	1.99	0.010	"	1.92	103	87-113
Beryllium - Dissolved	0.661	0.001	"	0.667	99.1	85-113
Cadmium - Dissolved	0.283	0.003	"	0.293	96.5	85.3-114
Chromium - Dissolved	0.270	0.005	"	0.276	97.7	86.6-113
Cobalt - Dissolved	0.574	0.005	"	0.562	102	87.9-112
Copper - Dissolved	0.531	0.003	"	0.522	102	90-110
Iron - Dissolved	1.41	0.020	"	1.39	102	88.4-113
Lead - Dissolved	1.47	0.003	"	1.48	99.5	87.8-111
Manganese - Dissolved	0.413	0.005	"	0.389	106	89.5-111
Nickel - Dissolved	1.32	0.005	"	1.34	98.3	90.3-112
Selenium - Dissolved	0.508	0.010	"	0.541	93.9	79.1-116
Silver - Dissolved	0.351	0.005	"	0.359	97.7	85.8-114
Thallium - Dissolved	0.601	0.005	"	0.579	104	81-120
Vanadium - Dissolved	0.466	0.010	"	0.484	96.3	87.6-112
Zinc - Dissolved	1.26	0.010	"	1.30	96.6	86.2-115



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI30673 - EPA 3010A**

**Reference (BI30673-SRM2)**

Prepared & Analyzed: 09/16/2013

Calcium - Dissolved	64.1	0.050	mg/L	62.7		102	86-114				
Magnesium - Dissolved	29.6	0.050	"	29.0		102	86.2-114				
Potassium - Dissolved	33.9	0.050	"	32.4		105	85.2-115				
Sodium - Dissolved	86.8	0.100	"	85.1		102	85-115				

**Batch BI30675 - EPA 3010A**

**Blank (BI30675-BLK1)**

Prepared & Analyzed: 09/16/2013

Aluminum	ND	0.010	mg/L								
Antimony	ND	0.005	"								
Arsenic	ND	0.004	"								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.050	"								
Chromium	ND	0.005	"								
Cobalt	ND	0.005	"								
Copper	ND	0.003	"								
Iron	ND	0.020	"								
Lead	ND	0.003	"								
Magnesium	ND	0.050	"								
Manganese	ND	0.005	"								
Nickel	ND	0.005	"								
Potassium	ND	0.050	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Sodium	ND	0.100	"								
Thallium	ND	0.005	"								
Vanadium	ND	0.010	"								
Zinc	ND	0.010	"								



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			

**Batch BI30675 - EPA 3010A**

**Reference (BI30675-SRM1)**

Prepared & Analyzed: 09/16/2013

Aluminum	0.393	0.010	mg/L	0.366		107	74.9-126						
Antimony	0.096	0.005	"	0.102		94.3	59.4-125						
Arsenic	0.475	0.004	"	0.482		98.5	83.8-117						
Barium	2.02	0.010	"	1.92		105	87-113						
Beryllium	0.663	0.001	"	0.667		99.4	85-113						
Cadmium	0.289	0.003	"	0.293		98.6	85.3-114						
Chromium	0.274	0.005	"	0.276		99.1	86.6-113						
Cobalt	0.583	0.005	"	0.562		104	87.9-112						
Copper	0.535	0.003	"	0.522		103	90-110						
Iron	1.39	0.020	"	1.39		100	88.4-113						
Lead	1.49	0.003	"	1.48		101	87.8-111						
Manganese	0.417	0.005	"	0.389		107	89.5-111						
Nickel	1.33	0.005	"	1.34		99.2	90.3-112						
Selenium	0.521	0.010	"	0.541		96.3	79.1-116						
Silver	0.353	0.005	"	0.359		98.4	85.8-114						
Thallium	0.603	0.005	"	0.579		104	81-120						
Vanadium	0.471	0.010	"	0.484		97.3	87.6-112						
Zinc	1.29	0.010	"	1.30		99.3	86.2-115						

**Reference (BI30675-SRM2)**

Prepared & Analyzed: 09/16/2013

Calcium	64.5	0.050	mg/L	62.7		103	86-114						
Magnesium	29.8	0.050	"	29.0		103	86.2-114						
Potassium	34.4	0.050	"	32.4		106	85.2-115						
Sodium	86.6	0.100	"	85.1		102	85-115						



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI30658 - EPA 7473 water</b>											
<b>Blank (BI30658-BLK1)</b>										Prepared & Analyzed: 09/16/2013	
Mercury - Dissolved	ND	0.05000	ug/L								
Mercury	ND	0.0500	"								
<b>Reference (BI30658-SRM1)</b>										Prepared & Analyzed: 09/16/2013	
Mercury - Dissolved	0.023000		mg/kg	0.0230		100	61.3-135				
Mercury	0.0230		"	0.0230		100	61.3-135				
<b>Batch BI30720 - EPA 7473 soil</b>											
<b>Blank (BI30720-BLK1)</b>										Prepared & Analyzed: 09/17/2013	
Mercury	ND	0.000800	mg/kg wet								
<b>Reference (BI30720-SRM1)</b>										Prepared & Analyzed: 09/17/2013	
Mercury	3.90		mg/kg	3.73		105	68.6-131				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI30705 - Analysis Preparation</b>											
<b>Blank (BI30705-BLK1)</b> Prepared & Analyzed: 09/17/2013											
Cyanide, total	ND	0.0100	mg/L								
<b>LCS (BI30705-BS1)</b> Prepared & Analyzed: 09/17/2013											
Cyanide, total	ND	5.00	mg/L	100			76.2-107	Low Bias			
<b>Duplicate (BI30705-DUP1)</b> *Source sample: 13I0486-06 (CP-MW-01) Prepared & Analyzed: 09/17/2013											
Cyanide, total	ND	0.0100	mg/L		ND						15
<b>Matrix Spike (BI30705-MS1)</b> *Source sample: 13I0486-06 (CP-MW-01) Prepared & Analyzed: 09/17/2013											
Cyanide, total	ND	0.0100	mg/L	0.200	ND		79-105	Low Bias			
<b>Batch BI30846 - Analysis Preparation Soil</b>											
<b>Blank (BI30846-BLK1)</b> Prepared & Analyzed: 09/19/2013											
Cyanide, total	ND	0.500	mg/kg wet								
<b>Reference (BI30846-SRM1)</b> Prepared & Analyzed: 09/19/2013											
Cyanide, total	90.0		ug/mL	59.3		152	38.4-202				
<b>Batch BI30926 - Analysis Preparation Soil</b>											
<b>Blank (BI30926-BLK1)</b> Prepared & Analyzed: 09/20/2013											
Cyanide, total	ND	0.500	mg/kg wet								
<b>Duplicate (BI30926-DUP1)</b> *Source sample: 13I0486-01 (CP-SB-2 (2-4')) Prepared & Analyzed: 09/20/2013											
Cyanide, total	0.586	0.586	mg/kg dry		0.586				0.00		15



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI30926 - Analysis Preparation Soil</b>											
<b>Matrix Spike (BI30926-MS1)</b>	*Source sample: 1310486-01 (CP-SB-2 (2-4'))						Prepared & Analyzed: 09/20/2013				
Cyanide, total	9.97	0.586	mg/kg dry	11.7	0.586	80.0	79.6-107				
<b>Reference (BI30926-SRM1)</b>	Prepared & Analyzed: 09/20/2013										
Cyanide, total	67.5		ug/mL	59.3		114	38.4-202				



## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13I0486-01	CP-SB-2 (2-4')	8 oz. WM Clear Glass Cool to 4° C
13I0486-02	CP-SB-2 (14-16')	8 oz. WM Clear Glass Cool to 4° C
13I0486-03	CP-SB-3 (0-2')	8 oz. WM Clear Glass Cool to 4° C
13I0486-04	CP-SB-3 (10-12')	8 oz. WM Clear Glass Cool to 4° C
13I0486-05	CP-SB-3 (14-16')	8 oz. WM Clear Glass Cool to 4° C
13I0486-06	CP-MW-01	1000mL Amber Glass Cool to 4° C
13I0486-07	CP-MW-02	1000mL Amber Glass Cool to 4° C

### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PRES	Sample was received with no preservative and was preserved upon receipt at the laboratory. If for metals, the sample was allowed to sit for 18-24 hours before analysis.
M-LSRD	Original sample conc <50 X reporting limit.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
<hr/>	
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.



**High Bias** High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

**Non-Dir.** Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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**Corrective Action:** Client submitted samples for Cyanide analysis unpreserved. - 9/13/13

# YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615  
(203) 325-1371 FAX (203) 357-0166

# Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

Page 1 of 1

York Project No. BIO486

<b>YOUR INFORMATION</b> Company: <u>CHAZEN</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>Report To:</b> Company: <u>CHAZEN</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>Invoice To:</b> Company: <u>CHAZEN</u> Address: _____ Phone No. _____ Attention: <u>ACCTS PAYABLE</u> E-Mail Address: _____		<b>YOUR PROJECT ID</b> <u>91337100</u> <u>530 West 28th St</u> Purchase Order No. <u>P15126</u>		<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		<b>Report Type/Deliverables</b> Summary Report <input checked="" type="checkbox"/> Summary w/ QA Summary <input type="checkbox"/> CT RCP Package <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input type="checkbox"/> Electronic Deliverables: <input type="checkbox"/> EDD (Specify Type) <input type="checkbox"/> Excel <input type="checkbox"/>	
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**Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.**

EJC Orlowski  
 Samples Collected/Authorized By (Signature)  
Eric Orlowski  
 Name (printed)

Matrix Codes	Volatiles	Semi-Vols. Pcs/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters	Special INSTRUCTIONS
S - soil Other - specify (oil, etc) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor	8260 full 624 Site Spec STARS list BTEX Nassau Co Saffolk Co Ketones Oxyarates TCLP list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list	8270 or 625 8082PCB STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCLP list Arom. only Halog. only App. IX list 8021B list	RCRA8 PP13 list TAL CT15 list TAGM list NIJBP list Total Dissolved SPL Per TCLP Ind. Metals LIST Below	TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium	Tri. Poll. TCL Organics TAL MetCN Full TCLP Full App. IX Part 360 Routine Part 360 Residue Part 360 Pesticide Part 360 Pesticide NYCDEP Sewer NYCDEP Sewer TAGM	Corrosivity Nitrite TKN Tox Nitrogen Ammonia-N Chloride Phosphate Tol. Phos. COD Oil & Grease F.O.G. pH MBAS	Color Phenols Cyanide-T Cyanide-A BOD5 CHOD5 BOD28 COD TSS Total Solids TDS TPH-1664

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
CP-SB-2 (2-4')	9/12/13 0845	S	8260, 8270, TAL Metals + Cyanide	4x VOA, 1x 802
CP-SB-2 (14-16')	9/12/13 1005	↓		
CP-SB-3 (0-2')	9/10/13 1130	↓		
CP-SB-3 (10-12')	9/11/13 1140	↓		
CP-SB-3 (14-16')	9/11/13 1155	↓		
CP-MW-01	9/11/13 1950	GW		
CP-MW-02	9/12/13 0820	GW		
Analyze GW samples for both total & dissolved metals. Thank you!				
4°C <input checked="" type="checkbox"/> Frozen <input type="checkbox"/> HCl <input type="checkbox"/> MeOH <input checked="" type="checkbox"/> HNO <sub>3</sub> <input checked="" type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> Zn/As <input type="checkbox"/> Ascorbic Acid <input type="checkbox"/> Other <input type="checkbox"/>				
Comments Preservation Check those Applicable		Samples Relinquished By <u>EJC Orlowski</u> Date/Time <u>9/13/13 0845</u> Samples Received By <u>R Barber</u> Date/Time <u>9-13-13 845</u> Release <u>9-13-13 1630</u> Temperature on Receipt <u>5.5°C</u>		



# Technical Report

prepared for:

**Chazen Environmental Services (Poughkeepsie)**

21 Fox Street

Poughkeepsie NY, 12601

**Attention: Eric Orlowski**

Report Date: 09/17/2013

**Client Project ID: 530 W. 28th St 91337.00**

York Project (SDG) No.: 1310345

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/17/2013  
Client Project ID: 530 W. 28th St 91337.00  
York Project (SDG) No.: 13I0345

**Chazen Environmental Services (Poughkeepsie)**

21 Fox Street  
Poughkeepsie NY, 12601  
Attention: Eric Orlowski

---

**Purpose and Results**

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 10, 2013 and listed below. The project was identified as your project: **530 W. 28th St 91337.00**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13I0345-01	CP-SB-1 (8-10')	Soil	09/09/2013	09/10/2013
13I0345-02	CP-SB-1 (14-16')	Soil	09/09/2013	09/10/2013
13I0345-03	CP-SB-9 (2-4')	Soil	09/09/2013	09/10/2013
13I0345-04	CP-SB-9 (4.5-6')	Soil	09/09/2013	09/10/2013
13I0345-05	CP-MW-04	Water	09/09/2013	09/10/2013

## **General Notes for York Project (SDG) No.: 13I0345**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

**Approved By:**



**Benjamin Gulizia**  
Laboratory Director

**Date:** 09/17/2013

**YORK**



## Sample Information

**Client Sample ID:** CP-SB-1 (8-10')

**York Sample ID:** 1310345-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 8:20 am

09/10/2013

**Volatile Organics, TCL (Target Compound List)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0081	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0081	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
78-93-3	2-Butanone	0.0033	J	mg/kg dry	0.0020	0.0081	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0081	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
67-64-1	Acetone	0.045		mg/kg dry	0.0020	0.0081	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK



### Sample Information

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**York Sample ID:** 1310345-01

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Client Project ID

Matrix

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1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 8:20 am

09/10/2013

**Volatile Organics, TCL (Target Compound List)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0020	0.0081	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
91-20-3	Naphthalene	ND		mg/kg dry	0.0020	0.0081	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0020	0.0081	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0020	0.012	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 13:49	BK
	<b>Surrogate Recoveries</b>	<b>Result</b>				<b>Acceptance Range</b>					
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %				72-137					
460-00-4	Surrogate: p-Bromofluorobenzene	94.8 %				72-138					
2037-26-5	Surrogate: Toluene-d8	101 %				85-118					

**Semi-Volatiles, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.133	0.388	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR



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1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 8:20 am

09/10/2013

**Semi-Volatiles, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.194	0.388	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.194	0.388	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR



## Sample Information

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530 W. 28th St 91337.00

Soil

September 9, 2013 8:20 am

09/10/2013

**Semi-Volatiles, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0978	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
108-95-2	Phenol	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0489	0.194	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:04	SR

**Surrogate Recoveries**

**Result**

**Acceptance Range**

5175-83-7	Surrogate: 2,4,6-Tribromophenol	48.8 %	10-142
321-60-8	Surrogate: 2-Fluorobiphenyl	50.2 %	10-111
367-12-4	Surrogate: 2-Fluorophenol	44.8 %	10-109
4165-60-0	Surrogate: Nitrobenzene-d5	44.5 %	10-148
4165-62-2	Surrogate: Phenol-d5	48.1 %	10-124
1718-51-0	Surrogate: Terphenyl-d14	53.3 %	10-147



### Sample Information

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530 W. 28th St 91337.00

Soil

September 9, 2013 8:20 am

09/10/2013

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11200		mg/kg dry	1.16	1.16	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-36-0	Antimony	ND		mg/kg dry	0.582	0.582	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-38-2	Arsenic	2.38		mg/kg dry	1.16	1.16	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-39-3	Barium	47.1		mg/kg dry	1.16	1.16	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.116	0.116	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.349	0.349	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-70-2	Calcium	971		mg/kg dry	0.582	5.82	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-47-3	Chromium	15.6		mg/kg dry	0.582	0.582	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-48-4	Cobalt	5.72		mg/kg dry	0.582	0.582	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-50-8	Copper	9.88		mg/kg dry	0.582	0.582	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7439-89-6	Iron	16400		mg/kg dry	2.33	2.33	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7439-92-1	Lead	7.29		mg/kg dry	0.349	0.349	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7439-95-4	Magnesium	2500		mg/kg dry	5.82	5.82	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7439-96-5	Manganese	254		mg/kg dry	0.582	0.582	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-02-0	Nickel	16.3		mg/kg dry	0.582	0.582	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-09-7	Potassium	1210		mg/kg dry	5.82	5.82	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7782-49-2	Selenium	1.17		mg/kg dry	1.16	1.16	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-22-4	Silver	ND		mg/kg dry	0.582	0.582	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-23-5	Sodium	176		mg/kg dry	11.6	11.6	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-28-0	Thallium	ND		mg/kg dry	1.16	1.16	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-62-2	Vanadium	20.2		mg/kg dry	1.16	1.16	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW
7440-66-6	Zinc	25.5		mg/kg dry	1.16	1.16	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:28	MW

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0533		mg/kg dry	0.000931	0.000931	1	EPA SW846-7473	09/13/2013 08:28	09/13/2013 13:30	AAkba



### Sample Information

**Client Sample ID:** CP-SB-1 (8-10')

**York Sample ID:** 1310345-01

York Project (SDG) No.

Client Project ID

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1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 8:20 am

09/10/2013

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	85.9		%	0.100	0.100	1	SM 2540G	09/13/2013 17:45	09/16/2013 14:05	SC

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.582	0.582	1	EPA 9014/9010C	09/11/2013 16:14	09/12/2013 16:08	BGS

### Sample Information

**Client Sample ID:** CP-SB-1 (14-16')

**York Sample ID:** 1310345-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 8:55 am

09/10/2013

**Volatile Organics, TCL (Target Compound List)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
67-64-1	Acetone	0.026		mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK



## Sample Information

**Client Sample ID:** CP-SB-1 (14-16')

**York Sample ID:** 1310345-02

York Project (SDG) No.

Client Project ID

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Collection Date/Time

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1310345

530 W. 28th St 91337.00

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September 9, 2013 8:55 am

09/10/2013

**Volatile Organics, TCL (Target Compound List)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
156-59-2	cis-1,2-Dichloroethylene	0.025		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
91-20-3	Naphthalene	ND		mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0025	0.0099	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0025	0.015	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 14:25	BK



## Sample Information

**Client Sample ID:** CP-SB-1 (14-16')

**York Sample ID:** 1310345-02

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1310345

530 W. 28th St 91337.00

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09/10/2013

### Volatile Organics, TCL (Target Compound List)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	<b>Surrogate Recoveries</b>	<b>Result</b>									
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %			72-137						
460-00-4	Surrogate: p-Bromofluorobenzene	91.5 %			72-138						
2037-26-5	Surrogate: Toluene-d8	101 %			85-118						

### Semi-Volatiles, EPA TCL List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.140	0.409	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR



## Sample Information

**Client Sample ID:** CP-SB-1 (14-16')

**York Sample ID:** 1310345-02

York Project (SDG) No.

Client Project ID

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1310345

530 W. 28th St 91337.00

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September 9, 2013 8:55 am

09/10/2013

**Semi-Volatiles, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.205	0.409	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.205	0.409	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR



## Sample Information

**Client Sample ID:** CP-SB-1 (14-16')

**York Sample ID:** 1310345-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 8:55 am

09/10/2013

**Semi-Volatiles, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.103	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
108-95-2	Phenol	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0516	0.205	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 13:35	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	55.2 %			10-142						
321-60-8	Surrogate: 2-Fluorobiphenyl	58.7 %			10-111						
367-12-4	Surrogate: 2-Fluorophenol	53.7 %			10-109						
4165-60-0	Surrogate: Nitrobenzene-d5	52.8 %			10-148						
4165-62-2	Surrogate: Phenol-d5	57.4 %			10-124						
1718-51-0	Surrogate: Terphenyl-d14	56.8 %			10-147						

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	<b>13000</b>		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-36-0	Antimony	ND		mg/kg dry	0.614	0.614	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-38-2	Arsenic	<b>2.90</b>		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-39-3	Barium	<b>48.1</b>		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.123	0.123	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.368	0.368	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-70-2	Calcium	<b>824</b>		mg/kg dry	0.614	6.14	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-47-3	Chromium	<b>17.1</b>		mg/kg dry	0.614	0.614	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-48-4	Cobalt	<b>7.99</b>		mg/kg dry	0.614	0.614	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-50-8	Copper	<b>12.9</b>		mg/kg dry	0.614	0.614	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7439-89-6	Iron	<b>19800</b>		mg/kg dry	2.46	2.46	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7439-92-1	Lead	<b>6.81</b>		mg/kg dry	0.368	0.368	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7439-95-4	Magnesium	<b>3390</b>		mg/kg dry	6.14	6.14	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7439-96-5	Manganese	<b>316</b>		mg/kg dry	0.614	0.614	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-02-0	Nickel	<b>18.4</b>		mg/kg dry	0.614	0.614	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-09-7	Potassium	<b>1520</b>		mg/kg dry	6.14	6.14	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7782-49-2	Selenium	ND		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-22-4	Silver	ND		mg/kg dry	0.614	0.614	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW



### Sample Information

**Client Sample ID:** CP-SB-1 (14-16')

**York Sample ID:** 1310345-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 8:55 am

09/10/2013

#### Metals, Target Analyte

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	272		mg/kg dry	12.3	12.3	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-28-0	Thallium	ND		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-62-2	Vanadium	21.9		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW
7440-66-6	Zinc	38.1		mg/kg dry	1.23	1.23	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:33	MW

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0273		mg/kg dry	0.000982	0.000982	1	EPA SW846-7473	09/13/2013 08:28	09/13/2013 13:39	AAkba

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	81.4		%	0.100	0.100	1	SM 2540G	09/13/2013 17:45	09/16/2013 14:05	SC

#### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.614	0.614	1	EPA 9014/9010C	09/11/2013 16:14	09/12/2013 16:08	BGS

### Sample Information

**Client Sample ID:** CP-SB-9 (2-4')

**York Sample ID:** 1310345-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 1:10 pm

09/10/2013

#### Volatile Organics, TCL (Target Compound List)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0091	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK



## Sample Information

**Client Sample ID:** CP-SB-9 (2-4')

**York Sample ID:** 1310345-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 1:10 pm

09/10/2013

**Volatile Organics, TCL (Target Compound List)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0091	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0091	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0091	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
67-64-1	Acetone	<b>0.031</b>		mg/kg dry	0.0023	0.0091	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
156-59-2	cis-1,2-Dichloroethylene	<b>0.0035</b>	J	mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0023	0.0091	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
91-20-3	Naphthalene	ND		mg/kg dry	0.0023	0.0091	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0023	0.0091	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK



## Sample Information

**Client Sample ID:** CP-SB-9 (2-4')

**York Sample ID:** 1310345-03

**York Project (SDG) No.**

**Client Project ID**

**Matrix**

**Collection Date/Time**

**Date Received**

1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 1:10 pm

09/10/2013

### Volatile Organics, TCL (Target Compound List)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0023	0.014	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:00	BK
	<b>Surrogate Recoveries</b>	<b>Result</b>				<b>Acceptance Range</b>					
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %				72-137					
460-00-4	Surrogate: p-Bromofluorobenzene	103 %				72-138					
2037-26-5	Surrogate: Toluene-d8	99.9 %				85-118					

### Semi-Volatiles, EPA TCL List

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.135	0.396	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR



## Sample Information

**Client Sample ID:** CP-SB-9 (2-4')

**York Sample ID:** 1310345-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 1:10 pm

09/10/2013

**Semi-Volatiles, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.198	0.396	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.198	0.396	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR



### Sample Information

**Client Sample ID:** CP-SB-9 (2-4')

**York Sample ID:** 1310345-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 1:10 pm

09/10/2013

**Semi-Volatiles, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0998	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
108-95-2	Phenol	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:06	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>						<b>Acceptance Range</b>			
5175-83-7	Surrogate: 2,4,6-Tribromophenol	47.7 %						10-142			
321-60-8	Surrogate: 2-Fluorobiphenyl	53.5 %						10-111			
367-12-4	Surrogate: 2-Fluorophenol	43.9 %						10-109			
4165-60-0	Surrogate: Nitrobenzene-d5	51.9 %						10-148			
4165-62-2	Surrogate: Phenol-d5	49.4 %						10-124			
1718-51-0	Surrogate: Terphenyl-d14	47.2 %						10-147			



### Sample Information

**Client Sample ID:** CP-SB-9 (2-4')

**York Sample ID:** 1310345-03

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 1:10 pm

09/10/2013

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8430		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-36-0	Antimony	ND		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-38-2	Arsenic	2.52		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-39-3	Barium	31.3		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.119	0.119	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.356	0.356	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-70-2	Calcium	1350		mg/kg dry	0.594	5.94	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-47-3	Chromium	10.2		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-48-4	Cobalt	6.05		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-50-8	Copper	11.5		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7439-89-6	Iron	15600		mg/kg dry	2.38	2.38	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7439-92-1	Lead	12.0		mg/kg dry	0.356	0.356	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7439-95-4	Magnesium	3210		mg/kg dry	5.94	5.94	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7439-96-5	Manganese	148		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-02-0	Nickel	15.0		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-09-7	Potassium	875		mg/kg dry	5.94	5.94	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7782-49-2	Selenium	1.29		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-22-4	Silver	ND		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-23-5	Sodium	279		mg/kg dry	11.9	11.9	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-28-0	Thallium	ND		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-62-2	Vanadium	13.2		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW
7440-66-6	Zinc	33.7		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:38	MW

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0109		mg/kg dry	0.000950	0.000950	1	EPA SW846-7473	09/13/2013 08:28	09/13/2013 13:48	AAkba



### Sample Information

**Client Sample ID:** CP-SB-9 (2-4')

**York Sample ID:** 1310345-03

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 1:10 pm

09/10/2013

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	84.2		%	0.100	0.100	1	SM 2540G	09/13/2013 17:45	09/16/2013 14:05	SC

#### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.594	0.594	1	EPA 9014/9010C	09/11/2013 16:14	09/12/2013 16:08	BGS

### Sample Information

**Client Sample ID:** CP-SB-9 (4.5-6')

**York Sample ID:** 1310345-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 1:10 pm

09/10/2013

#### Volatile Organics, TCL (Target Compound List)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0082	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0082	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0082	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0082	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
67-64-1	Acetone	0.023		mg/kg dry	0.0020	0.0082	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK



### Sample Information

**Client Sample ID:** CP-SB-9 (4.5-6')

**York Sample ID:** 1310345-04

York Project (SDG) No.

Client Project ID

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1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 1:10 pm

09/10/2013

**Volatile Organics, TCL (Target Compound List)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
156-59-2	cis-1,2-Dichloroethylene	0.0038	J	mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
75-09-2	Methylene chloride	ND		mg/kg dry	0.0020	0.0082	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
91-20-3	Naphthalene	ND		mg/kg dry	0.0020	0.0082	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0020	0.0082	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0041	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0020	0.012	1	EPA SW846-8260B	09/11/2013 09:44	09/11/2013 15:35	BK



### Sample Information

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**York Sample ID:** 1310345-04

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1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 1:10 pm

09/10/2013

**Volatile Organics, TCL (Target Compound List)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	<b>Surrogate Recoveries</b>	<b>Result</b>									
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %			72-137						
460-00-4	Surrogate: p-Bromofluorobenzene	102 %			72-138						
2037-26-5	Surrogate: Toluene-d8	114 %			85-118						

**Semi-Volatiles, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.135	0.396	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR



## Sample Information

**Client Sample ID:** CP-SB-9 (4.5-6')

**York Sample ID:** 1310345-04

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530 W. 28th St 91337.00

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September 9, 2013 1:10 pm

09/10/2013

**Semi-Volatiles, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.198	0.395	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.198	0.396	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
206-44-0	Fluoranthene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
86-73-7	Fluorene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR



### Sample Information

**Client Sample ID:** CP-SB-9 (4.5-6')

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530 W. 28th St 91337.00

Soil

September 9, 2013 1:10 pm

09/10/2013

**Semi-Volatiles, EPA TCL List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0997	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
85-01-8	Phenanthrene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
108-95-2	Phenol	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
129-00-0	Pyrene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0499	0.198	1	EPA SW846-8270C	09/12/2013 14:20	09/16/2013 14:37	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	49.6 %			10-142						
321-60-8	Surrogate: 2-Fluorobiphenyl	52.4 %			10-111						
367-12-4	Surrogate: 2-Fluorophenol	43.2 %			10-109						
4165-60-0	Surrogate: Nitrobenzene-d5	51.6 %			10-148						
4165-62-2	Surrogate: Phenol-d5	48.3 %			10-124						
1718-51-0	Surrogate: Terphenyl-d14	46.2 %			10-147						

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	<b>9140</b>		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-36-0	Antimony	ND		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-38-2	Arsenic	<b>2.63</b>		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-39-3	Barium	<b>32.9</b>		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.119	0.119	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.356	0.356	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-70-2	Calcium	<b>1170</b>		mg/kg dry	0.594	5.94	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-47-3	Chromium	<b>10.6</b>		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-48-4	Cobalt	<b>6.61</b>		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-50-8	Copper	<b>13.0</b>		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7439-89-6	Iron	<b>17200</b>		mg/kg dry	2.37	2.37	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7439-92-1	Lead	<b>6.48</b>		mg/kg dry	0.356	0.356	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7439-95-4	Magnesium	<b>3520</b>		mg/kg dry	5.94	5.94	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7439-96-5	Manganese	<b>165</b>		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-02-0	Nickel	<b>16.7</b>		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-09-7	Potassium	<b>938</b>		mg/kg dry	5.94	5.94	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7782-49-2	Selenium	<b>1.59</b>		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-22-4	Silver	ND		mg/kg dry	0.594	0.594	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW



### Sample Information

Client Sample ID: CP-SB-9 (4.5-6')

York Sample ID: 1310345-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Soil

September 9, 2013 1:10 pm

09/10/2013

#### Metals, Target Analyte

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	Sodium	258		mg/kg dry	11.9	11.9	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-28-0	Thallium	ND		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-62-2	Vanadium	14.2		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW
7440-66-6	Zinc	35.1		mg/kg dry	1.19	1.19	1	EPA SW846-6010B	09/11/2013 15:06	09/11/2013 22:43	MW

#### Mercury by 7473

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0245		mg/kg dry	0.000950	0.000950	1	EPA SW846-7473	09/13/2013 08:28	09/13/2013 14:15	AAkba

#### Total Solids

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	84.2		%	0.100	0.100	1	SM 2540G	09/13/2013 17:45	09/16/2013 14:05	SC

#### Cyanide, Total

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.594	0.594	1	EPA 9014/9010C	09/11/2013 16:14	09/12/2013 16:08	BGS

### Sample Information

Client Sample ID: CP-MW-04

York Sample ID: 1310345-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Water

September 9, 2013 6:05 pm

09/10/2013

#### Volatile Organics, TCL (Target Compound List)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.34	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
75-34-3	1,1-Dichloroethane	3.9	J	ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
75-35-4	1,1-Dichloroethylene	0.94	J	ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.91	10	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS



## Sample Information

**Client Sample ID:** CP-MW-04

**York Sample ID:** 1310345-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Water

September 9, 2013 6:05 pm

09/10/2013

**Volatile Organics, TCL (Target Compound List)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.98	10	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.44	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.36	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
78-93-3	2-Butanone	ND		ug/L	1.5	10	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
591-78-6	2-Hexanone	ND		ug/L	1.1	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.86	10	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
67-64-1	Acetone	ND		ug/L	6.1	10	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
75-15-0	Carbon disulfide	ND		ug/L	0.51	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.56	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
75-00-3	Chloroethane	ND		ug/L	2.8	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
67-66-3	Chloroform	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
74-87-3	Chloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
156-59-2	cis-1,2-Dichloroethylene	<b>120</b>		ug/L	0.43	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.39	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.35	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
75-09-2	Methylene chloride	ND		ug/L	2.4	10	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS



### Sample Information

**Client Sample ID:** CP-MW-04

**York Sample ID:** 1310345-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Water

September 9, 2013 6:05 pm

09/10/2013

#### Volatile Organics, TCL (Target Compound List)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
100-42-5	Styrene	ND		ug/L	0.22	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
156-60-5	trans-1,2-Dichloroethylene	1.5	J	ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.67	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
79-01-6	Trichloroethylene	ND		ug/L	0.16	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.68	5.0	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B/EPA 624	09/12/2013 11:02	09/12/2013 22:22	SS
	<b>Surrogate Recoveries</b>	<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			78-122						
460-00-4	Surrogate: p-Bromofluorobenzene	95.7 %			87-112						
2037-26-5	Surrogate: Toluene-d8	103 %			91-110						

#### Semi-Volatiles, EPA TCL List

#### Log-in Notes:

#### Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	2.02	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
208-96-8	Acenaphthylene	ND		ug/L	1.99	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
120-12-7	Anthracene	ND		ug/L	1.36	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	1.50	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	1.49	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
65-85-0	Benzoic acid	ND		ug/L	9.94	11.4	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	1.61	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	1.95	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
100-51-6	Benzyl alcohol	ND		ug/L	1.66	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.09	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	0.974	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	1.52	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.16	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.41	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.02	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR



## Sample Information

**Client Sample ID:** CP-MW-04

**York Sample ID:** 1310345-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Water

September 9, 2013 6:05 pm

09/10/2013

**Semi-Volatiles, EPA TCL List**

**Log-in Notes:**

**Sample Notes: EXT-D, EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.71	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.42	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	5.46	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.51	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.05	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.80	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
218-01-9	Chrysene	ND		ug/L	1.68	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	1.78	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
132-64-9	Dibenzofuran	ND		ug/L	2.75	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.34	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.85	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.53	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.98	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	1.45	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.16	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.93	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	1.83	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.18	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
88-74-4	2-Nitroaniline	ND		ug/L	1.92	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	1.85	11.4	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.57	11.4	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	1.84	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	1.84	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	1.28	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
206-44-0	Fluoranthene	ND		ug/L	1.42	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
86-73-7	Fluorene	ND		ug/L	2.09	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
118-74-1	Hexachlorobenzene	ND		ug/L	1.45	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	3.19	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.89	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
67-72-1	Hexachloroethane	ND		ug/L	3.47	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	1.94	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
78-59-1	Isophorone	ND		ug/L	3.06	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR



### Sample Information

**Client Sample ID:** CP-MW-04

**York Sample ID:** 1310345-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Water

September 9, 2013 6:05 pm

09/10/2013

**Semi-Volatiles, EPA TCL List**

**Log-in Notes:**

**Sample Notes: EXT-D, EXT-EM**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	3.15	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
95-48-7	2-Methylphenol	ND		ug/L	1.33	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	1.28	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
91-20-3	Naphthalene	ND		ug/L	2.27	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
99-09-2	3-Nitroaniline	ND		ug/L	1.92	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.06	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
98-95-3	Nitrobenzene	ND		ug/L	1.93	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
100-02-7	4-Nitrophenol	ND		ug/L	1.90	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.93	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	5.71	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
87-86-5	Pentachlorophenol	ND		ug/L	1.66	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
85-01-8	Phenanthrene	ND		ug/L	1.57	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
108-95-2	Phenol	ND		ug/L	1.26	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
129-00-0	Pyrene	ND		ug/L	1.98	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.82	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.18	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.00	5.71	1	EPA SW846-8270C/EPA 625	09/12/2013 06:54	09/13/2013 15:48	SR
	<b>Surrogate Recoveries</b>	<b>Result</b>									<b>Acceptance Range</b>
5175-83-7	Surrogate: 2,4,6-Tribromophenol	84.4 %									17-127
321-60-8	Surrogate: 2-Fluorobiphenyl	60.7 %									14-101
367-12-4	Surrogate: 2-Fluorophenol	40.9 %									10-52
4165-60-0	Surrogate: Nitrobenzene-d5	67.4 %									12-112
4165-62-2	Surrogate: Phenol-d5	27.5 %									10-117
1718-51-0	Surrogate: Terphenyl-d14	81.2 %									10-151



### Sample Information

**Client Sample ID:** CP-MW-04

**York Sample ID:** 1310345-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Water

September 9, 2013 6:05 pm

09/10/2013

**Metals, Dissolved - Target Analyte (TAL)**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.032		mg/L	0.010	0.010	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-39-3	Barium	0.179		mg/L	0.010	0.010	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-70-2	Calcium	146		mg/L	0.050	0.050	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-47-3	Chromium	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-48-4	Cobalt	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-50-8	Copper	ND		mg/L	0.003	0.003	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7439-89-6	Iron	0.052		mg/L	0.020	0.020	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7439-92-1	Lead	ND		mg/L	0.003	0.003	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7439-95-4	Magnesium	140		mg/L	0.050	0.050	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7439-96-5	Manganese	1.33		mg/L	0.005	0.005	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-02-0	Nickel	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-09-7	Potassium	63.4		mg/L	0.050	0.050	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-23-5	Sodium	235		mg/L	0.100	0.100	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-62-2	Vanadium	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW
7440-66-6	Zinc	ND		mg/L	0.010	0.010	1	EPA SW846-6010B	09/11/2013 14:59	09/11/2013 17:56	MW

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5.50		mg/L	0.010	0.010	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-36-0	Antimony	ND		mg/L	0.005	0.005	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-38-2	Arsenic	ND		mg/L	0.004	0.004	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-39-3	Barium	0.272		mg/L	0.010	0.010	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-41-7	Beryllium	ND		mg/L	0.001	0.001	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-43-9	Cadmium	ND		mg/L	0.003	0.003	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-70-2	Calcium	141		mg/L	0.050	0.050	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-47-3	Chromium	0.008		mg/L	0.005	0.005	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW



### Sample Information

**Client Sample ID:** CP-MW-04

**York Sample ID:** 1310345-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310345

530 W. 28th St 91337.00

Water

September 9, 2013 6:05 pm

09/10/2013

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-48-4	Cobalt	0.005		mg/L	0.005	0.005	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-50-8	Copper	0.015		mg/L	0.003	0.003	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7439-89-6	Iron	10.3		mg/L	0.020	0.020	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7439-92-1	Lead	0.017		mg/L	0.003	0.003	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7439-95-4	Magnesium	135		mg/L	0.050	0.050	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7439-96-5	Manganese	1.65		mg/L	0.005	0.005	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-02-0	Nickel	0.010		mg/L	0.005	0.005	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-09-7	Potassium	61.4		mg/L	0.050	0.050	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7782-49-2	Selenium	ND		mg/L	0.010	0.010	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-22-4	Silver	ND		mg/L	0.005	0.005	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-23-5	Sodium	232		mg/L	0.100	0.100	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-28-0	Thallium	ND		mg/L	0.005	0.005	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-62-2	Vanadium	0.012		mg/L	0.010	0.010	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW
7440-66-6	Zinc	0.036		mg/L	0.010	0.010	1	EPA SW846-6010B/EPA 200.7	09/11/2013 15:02	09/11/2013 18:56	MW

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.0500	0.0500	1	EPA SW846-7473	09/16/2013 10:27	09/16/2013 11:24	AAkba

**Mercury by 7473, Dissolved**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		ug/L	0.05000	0.05000	1	EPA SW846-7473	09/16/2013 10:27	09/16/2013 11:24	AAkba

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	0.0100	1	SM 4500 CN C/E	09/11/2013 09:19	09/11/2013 15:41	BGS



## Analytical Batch Summary

**Batch ID:** BI30440      **Preparation Method:** EPA 5035A      **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0345-01	CP-SB-1 (8-10')	09/11/13
13I0345-02	CP-SB-1 (14-16')	09/11/13
13I0345-03	CP-SB-9 (2-4')	09/11/13
13I0345-04	CP-SB-9 (4.5-6')	09/11/13
BI30440-BLK1	Blank	09/11/13
BI30440-BS1	LCS	09/11/13
BI30440-BSD1	LCS Dup	09/11/13

**Batch ID:** BI30449      **Preparation Method:** Analysis Preparation      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0345-05	CP-MW-04	09/11/13
BI30449-BLK1	Blank	09/11/13
BI30449-BS1	LCS	09/11/13
BI30449-DUP1	Duplicate	09/11/13
BI30449-MS1	Matrix Spike	09/11/13

**Batch ID:** BI30467      **Preparation Method:** EPA 3010A      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0345-05	CP-MW-04	09/11/13
BI30467-BLK1	Blank	09/11/13
BI30467-SRM1	Reference	09/11/13
BI30467-SRM2	Reference	09/11/13

**Batch ID:** BI30468      **Preparation Method:** EPA 3010A      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0345-05	CP-MW-04	09/11/13
BI30468-BLK1	Blank	09/11/13
BI30468-SRM1	Reference	09/11/13
BI30468-SRM2	Reference	09/11/13

**Batch ID:** BI30469      **Preparation Method:** EPA 3050B      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0345-01	CP-SB-1 (8-10')	09/11/13
13I0345-02	CP-SB-1 (14-16')	09/11/13
13I0345-03	CP-SB-9 (2-4')	09/11/13
13I0345-04	CP-SB-9 (4.5-6')	09/11/13
BI30469-BLK1	Blank	09/11/13
BI30469-SRM1	Reference	09/11/13



**Batch ID:** BI30481      **Preparation Method:** Analysis Preparation Soil      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0345-01	CP-SB-1 (8-10')	09/11/13
13I0345-02	CP-SB-1 (14-16')	09/11/13
13I0345-03	CP-SB-9 (2-4')	09/11/13
13I0345-04	CP-SB-9 (4.5-6')	09/11/13
BI30481-BLK1	Blank	09/11/13
BI30481-SRM1	Reference	09/11/13

**Batch ID:** BI30500      **Preparation Method:** EPA 3510C      **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
13I0345-05	CP-MW-04	09/12/13

**Batch ID:** BI30534      **Preparation Method:** EPA 5030B      **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0345-05	CP-MW-04	09/12/13
BI30534-BLK1	Blank	09/12/13
BI30534-BS1	LCS	09/12/13
BI30534-BSD1	LCS Dup	09/12/13

**Batch ID:** BI30542      **Preparation Method:** EPA 3550B      **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
13I0345-01	CP-SB-1 (8-10')	09/12/13
13I0345-02	CP-SB-1 (14-16')	09/12/13
13I0345-03	CP-SB-9 (2-4')	09/12/13
13I0345-04	CP-SB-9 (4.5-6')	09/12/13
BI30542-BLK1	Blank	09/12/13
BI30542-BS1	LCS	09/12/13
BI30542-BSD1	LCS Dup	09/12/13

**Batch ID:** BI30564      **Preparation Method:** EPA 7473 soil      **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
13I0345-01	CP-SB-1 (8-10')	09/13/13
13I0345-02	CP-SB-1 (14-16')	09/13/13
13I0345-03	CP-SB-9 (2-4')	09/13/13
13I0345-04	CP-SB-9 (4.5-6')	09/13/13
BI30564-BLK1	Blank	09/13/13
BI30564-SRM1	Reference	09/13/13

**Batch ID:** BI30626      **Preparation Method:** % Solids Prep      **Prepared By:** SC

YORK Sample ID	Client Sample ID	Preparation Date
13I0345-01	CP-SB-1 (8-10')	09/13/13



13I0345-02	CP-SB-1 (14-16')	09/13/13
13I0345-03	CP-SB-9 (2-4')	09/13/13
13I0345-04	CP-SB-9 (4.5-6')	09/13/13

**Batch ID:** BI30658                      **Preparation Method:** EPA 7473 water                      **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
13I0345-05	CP-MW-04	09/16/13
BI30658-BLK1	Blank	09/16/13
BI30658-SRM1	Reference	09/16/13



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30440 - EPA 5035A

Blank (BI30440-BLK1)

Prepared & Analyzed: 09/11/2013

1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.010	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.010	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
2-Butanone	ND	0.010	"								
2-Hexanone	ND	0.010	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								

Surrogate: 1,2-Dichloroethane-d4

65.3

ug/L

50.0

131

72-137



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit							Units			

**Batch BI30440 - EPA 5035A**

**Blank (BI30440-BLK1)**

Prepared & Analyzed: 09/11/2013

Surrogate: <i>p</i> -Bromofluorobenzene	54.3		ug/L	50.0		109	72-138					
Surrogate: Toluene-d8	59.8		"	50.0		120	85-118					

**LCS (BI30440-BS1)**

Prepared & Analyzed: 09/11/2013

1,1,1-Trichloroethane	50		ug/L	50.0		99.4	76-135					
1,1,2,2-Tetrachloroethane	52		"	50.0		104	82-119					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		102	68-144					
1,1,2-Trichloroethane	49		"	50.0		98.5	82-114					
1,1-Dichloroethane	47		"	50.0		93.2	80-119					
1,1-Dichloroethylene	45		"	50.0		89.4	58-139					
1,2,4-Trichlorobenzene	50		"	50.0		100	69-135					
1,2,4-Trimethylbenzene	50		"	50.0		101	82-116					
1,2-Dibromo-3-chloropropane	54		"	50.0		108	72-131					
1,2-Dibromoethane	49		"	50.0		97.9	86-114					
1,2-Dichloroethane	47		"	50.0		94.2	72-136					
1,2-Dichloropropane	50		"	50.0		100	79-119					
1,3,5-Trimethylbenzene	51		"	50.0		103	86-114					
2-Butanone	44		"	50.0		88.6	60-129					
2-Hexanone	46		"	50.0		91.0	58-129					
4-Methyl-2-pentanone	48		"	50.0		95.8	46-121					
Acetone	34		"	50.0		68.1	26-119					
Benzene	48		"	50.0		96.3	81-117					
Bromodichloromethane	51		"	50.0		102	88-123					
Bromoform	52		"	50.0		104	85-122					
Bromomethane	35		"	50.0		71.0	43-137					
Carbon disulfide	84		"	100		84.1	18-145					
Carbon tetrachloride	51		"	50.0		102	79-135					
Chlorobenzene	48		"	50.0		96.8	87-112					
Chloroethane	42		"	50.0		85.0	60-132					
Chloroform	48		"	50.0		96.6	80-126					
Chloromethane	51		"	50.0		102	36-133					
cis-1,2-Dichloroethylene	47		"	50.0		93.3	80-119					
cis-1,3-Dichloropropylene	54		"	50.0		107	87-125					
Dibromochloromethane	52		"	50.0		103	86-128					
Dichlorodifluoromethane	32		"	50.0		63.1	10-156					
Ethyl Benzene	51		"	50.0		102	88-117					
Methyl tert-butyl ether (MTBE)	48		"	50.0		96.5	58-137					
Methylene chloride	46		"	50.0		91.0	47-140					
Naphthalene	51		"	50.0		103	65-143					
n-Butylbenzene	50		"	50.0		99.6	79-119					
n-Propylbenzene	51		"	50.0		102	82-116					
o-Xylene	50		"	50.0		99.2	88-111					
p- & m- Xylenes	100		"	100		101	86-117					
sec-Butylbenzene	51		"	50.0		102	85-119					
Styrene	51		"	50.0		102	85-119					
tert-Butylbenzene	50		"	50.0		99.1	84-119					
Tetrachloroethylene	49		"	50.0		98.1	74-127					
Toluene	47		"	50.0		94.3	83-114					
trans-1,2-Dichloroethylene	46		"	50.0		91.7	68-131					
trans-1,3-Dichloropropylene	52		"	50.0		105	81-127					
Trichloroethylene	49		"	50.0		98.3	84-118					
Trichlorofluoromethane	53		"	50.0		105	59-148					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30440 - EPA 5035A

LCS (BI30440-BS1)

Prepared & Analyzed: 09/11/2013

Vinyl Chloride	44		ug/L	50.0		87.8	46-133				
Surrogate: 1,2-Dichloroethane-d4	52.3		"	50.0		105	72-137				
Surrogate: p-Bromofluorobenzene	51.0		"	50.0		102	72-138				
Surrogate: Toluene-d8	50.5		"	50.0		101	85-118				

LCS Dup (BI30440-BSD1)

Prepared & Analyzed: 09/11/2013

1,1,1-Trichloroethane	54		ug/L	50.0		108	76-135		8.68	30	
1,1,2,2-Tetrachloroethane	50		"	50.0		101	82-119		3.38	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58		"	50.0		115	68-144		11.9	30	
1,1,2-Trichloroethane	48		"	50.0		95.8	82-114		2.72	30	
1,1-Dichloroethane	52		"	50.0		105	80-119		11.6	30	
1,1-Dichloroethylene	51		"	50.0		102	58-139		13.4	30	
1,2,4-Trichlorobenzene	48		"	50.0		96.9	69-135		3.27	30	
1,2,4-Trimethylbenzene	54		"	50.0		108	82-116		7.04	30	
1,2-Dibromo-3-chloropropane	52		"	50.0		104	72-131		3.44	30	
1,2-Dibromoethane	50		"	50.0		100	86-114		2.10	30	
1,2-Dichloroethane	52		"	50.0		103	72-136		9.04	30	
1,2-Dichloropropane	51		"	50.0		102	79-119		1.66	30	
1,3,5-Trimethylbenzene	53		"	50.0		106	86-114		2.65	30	
2-Butanone	47		"	50.0		94.2	60-129		6.11	30	
2-Hexanone	45		"	50.0		89.7	58-129		1.51	30	
4-Methyl-2-pentanone	49		"	50.0		97.9	46-121		2.17	30	
Acetone	38		"	50.0		75.6	26-119		10.4	30	
Benzene	50		"	50.0		101	81-117		4.33	30	
Bromodichloromethane	54		"	50.0		107	88-123		4.88	30	
Bromoform	53		"	50.0		106	85-122		1.53	30	
Bromomethane	41		"	50.0		81.8	43-137		14.1	30	
Carbon disulfide	93		"	100		93.1	18-145		10.2	30	
Carbon tetrachloride	55		"	50.0		109	79-135		7.06	30	
Chlorobenzene	49		"	50.0		98.8	87-112		2.07	30	
Chloroethane	50		"	50.0		100	60-132		16.3	30	
Chloroform	51		"	50.0		103	80-126		6.22	30	
Chloromethane	53		"	50.0		105	36-133		3.30	30	
cis-1,2-Dichloroethylene	50		"	50.0		100	80-119		7.33	30	
cis-1,3-Dichloropropylene	54		"	50.0		108	87-125		0.818	30	
Dibromochloromethane	57		"	50.0		113	86-128		9.21	30	
Dichlorodifluoromethane	30		"	50.0		60.4	10-156		4.28	30	
Ethyl Benzene	50		"	50.0		100	88-117		1.86	30	
Methyl tert-butyl ether (MTBE)	52		"	50.0		103	58-137		6.93	30	
Methylene chloride	51		"	50.0		102	47-140		11.1	30	
Naphthalene	50		"	50.0		101	65-143		1.67	30	
n-Butylbenzene	50		"	50.0		99.5	79-119		0.100	30	
n-Propylbenzene	52		"	50.0		104	82-116		1.71	30	
o-Xylene	50		"	50.0		99.1	88-111		0.141	30	
p- & m- Xylenes	100		"	100		101	86-117		0.327	30	
sec-Butylbenzene	54		"	50.0		108	85-119		5.77	30	
Styrene	51		"	50.0		101	85-119		0.355	30	
tert-Butylbenzene	52		"	50.0		104	84-119		5.26	30	
Tetrachloroethylene	51		"	50.0		102	74-127		4.25	30	
Toluene	50		"	50.0		101	83-114		6.74	30	
trans-1,2-Dichloroethylene	52		"	50.0		104	68-131		13.1	30	
trans-1,3-Dichloropropylene	53		"	50.0		106	81-127		1.53	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI30440 - EPA 5035A**

**LCS Dup (BI30440-BSD1)**

Prepared & Analyzed: 09/11/2013

Trichloroethylene	50		ug/L	50.0		100	84-118		2.09	30	
Trichlorofluoromethane	56		"	50.0		112	59-148		6.45	30	
Vinyl Chloride	48		"	50.0		95.2	46-133		8.13	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>52.9</i>		<i>"</i>	<i>50.0</i>		<i>106</i>	<i>72-137</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>51.2</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>72-138</i>				
<i>Surrogate: Toluene-d8</i>	<i>52.7</i>		<i>"</i>	<i>50.0</i>		<i>105</i>	<i>85-118</i>				

**Batch BI30534 - EPA 5030B**

**Blank (BI30534-BLK1)**

Prepared & Analyzed: 09/12/2013

1,1,1-Trichloroethane	ND	5.0	ug/L								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	10	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	10	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
2-Butanone	ND	10	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	10	"								
Acetone	ND	10	"								
Benzene	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	ND	10	"								
Naphthalene	1.8	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI30534 - EPA 5030B**

**Blank (BI30534-BLK1)**

Prepared & Analyzed: 09/12/2013

tert-Butylbenzene	ND	5.0	ug/L								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								

<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.4		"	50.0		103	78-122				
<i>Surrogate: p-Bromofluorobenzene</i>	51.4		"	50.0		103	87-112				
<i>Surrogate: Toluene-d8</i>	49.0		"	50.0		98.0	91-110				

**LCS (BI30534-BS1)**

Prepared & Analyzed: 09/12/2013

1,1,1-Trichloroethane	52		ug/L	50.0		104	83-125				
1,1,2,2-Tetrachloroethane	59		"	50.0		117	84-122				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0		113	66-141				
1,1,2-Trichloroethane	54		"	50.0		107	83-116				
1,1-Dichloroethane	51		"	50.0		101	82-121				
1,1-Dichloroethylene	49		"	50.0		97.2	59-135				
1,2,4-Trichlorobenzene	48		"	50.0		95.0	72-133				
1,2,4-Trimethylbenzene	50		"	50.0		99.5	82-119				
1,2-Dibromo-3-chloropropane	64		"	50.0		129	69-134				
1,2-Dibromoethane	53		"	50.0		107	85-118				
1,2-Dichloroethane	52		"	50.0		104	79-125				
1,2-Dichloropropane	51		"	50.0		102	82-119				
1,3,5-Trimethylbenzene	53		"	50.0		105	84-120				
2-Butanone	55		"	50.0		110	59-127				
2-Hexanone	54		"	50.0		108	59-127				
4-Methyl-2-pentanone	40		"	50.0		80.6	50-119				
Acetone	33		"	50.0		66.5	30-112				
Benzene	50		"	50.0		99.6	88-113				
Bromodichloromethane	53		"	50.0		106	87-122				
Bromoform	59		"	50.0		119	83-127				
Bromomethane	48		"	50.0		96.5	36-135				
Carbon disulfide	96		"	100		95.7	35-126				
Carbon tetrachloride	52		"	50.0		104	82-128				
Chlorobenzene	50		"	50.0		101	90-111				
Chloroethane	53		"	50.0		106	60-132				
Chloroform	52		"	50.0		105	89-116				
Chloromethane	48		"	50.0		96.1	39-131				
cis-1,2-Dichloroethylene	52		"	50.0		105	90-112				
cis-1,3-Dichloropropylene	53		"	50.0		105	89-124				
Dibromochloromethane	56		"	50.0		112	82-132				
Dichlorodifluoromethane	49		"	50.0		97.6	10-143				
Ethyl Benzene	51		"	50.0		102	91-117				
Isopropylbenzene	54		"	50.0		107	82-122				
Methyl tert-butyl ether (MTBE)	55		"	50.0		109	59-135				
Methylene chloride	51		"	50.0		101	51-136				
Naphthalene	55		"	50.0		111	61-147				
n-Butylbenzene	48		"	50.0		96.1	79-122				
n-Propylbenzene	50		"	50.0		99.6	80-123				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30534 - EPA 5030B

LCS (BI30534-BS1)

Prepared & Analyzed: 09/12/2013

o-Xylene	49		ug/L	50.0		98.0	91-110				
p- & m- Xylenes	100		"	100		99.6	86-118				
sec-Butylbenzene	52		"	50.0		103	82-127				
Styrene	51		"	50.0		102	88-121				
tert-Butylbenzene	54		"	50.0		107	70-130				
Tetrachloroethylene	49		"	50.0		98.6	67-138				
Toluene	50		"	50.0		99.8	88-113				
trans-1,2-Dichloroethylene	52		"	50.0		104	73-123				
trans-1,3-Dichloropropylene	53		"	50.0		106	85-123				
Trichloroethylene	52		"	50.0		105	83-120				
Trichlorofluoromethane	51		"	50.0		102	62-138				
Vinyl Chloride	53		"	50.0		105	49-127				
Surrogate: 1,2-Dichloroethane-d4	48.6		"	50.0		97.2	78-122				
Surrogate: p-Bromofluorobenzene	52.0		"	50.0		104	87-112				
Surrogate: Toluene-d8	48.3		"	50.0		96.6	91-110				

LCS Dup (BI30534-BSD1)

Prepared & Analyzed: 09/12/2013

1,1,1-Trichloroethane	52		ug/L	50.0		105	83-125		0.115	30	
1,1,2,2-Tetrachloroethane	53		"	50.0		107	84-122		9.61	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58		"	50.0		115	66-141		1.98	30	
1,1,2-Trichloroethane	53		"	50.0		105	83-116		1.88	30	
1,1-Dichloroethane	51		"	50.0		102	82-121		0.434	30	
1,1-Dichloroethylene	50		"	50.0		100	59-135		3.22	30	
1,2,4-Trichlorobenzene	48		"	50.0		95.7	72-133		0.692	30	
1,2,4-Trimethylbenzene	49		"	50.0		98.9	82-119		0.645	30	
1,2-Dibromo-3-chloropropane	53		"	50.0		106	69-134		19.2	30	
1,2-Dibromoethane	53		"	50.0		106	85-118		0.619	30	
1,2-Dichloroethane	56		"	50.0		111	79-125		6.67	30	
1,2-Dichloropropane	52		"	50.0		104	82-119		1.81	30	
1,3,5-Trimethylbenzene	49		"	50.0		97.4	84-120		7.70	30	
2-Butanone	52		"	50.0		104	59-127		6.06	30	
2-Hexanone	54		"	50.0		108	59-127		0.760	30	
4-Methyl-2-pentanone	37		"	50.0		75.0	50-119		7.20	30	
Acetone	33		"	50.0		65.0	30-112		2.22	30	
Benzene	53		"	50.0		106	88-113		6.07	30	
Bromodichloromethane	52		"	50.0		104	87-122		1.98	30	
Bromoform	54		"	50.0		108	83-127		10.1	30	
Bromomethane	49		"	50.0		97.4	36-135		0.990	30	
Carbon disulfide	96		"	100		95.6	35-126		0.0627	30	
Carbon tetrachloride	53		"	50.0		106	82-128		1.69	30	
Chlorobenzene	49		"	50.0		98.1	90-111		2.72	30	
Chloroethane	52		"	50.0		105	60-132		1.01	30	
Chloroform	54		"	50.0		107	89-116		2.36	30	
Chloromethane	49		"	50.0		98.9	39-131		2.91	30	
cis-1,2-Dichloroethylene	51		"	50.0		102	90-112		2.93	30	
cis-1,3-Dichloropropylene	51		"	50.0		103	89-124		2.25	30	
Dibromochloromethane	55		"	50.0		109	82-132		2.67	30	
Dichlorodifluoromethane	49		"	50.0		99.0	10-143		1.42	30	
Ethyl Benzene	50		"	50.0		100	91-117		1.68	30	
Isopropylbenzene	49		"	50.0		98.9	82-122		8.15	30	
Methyl tert-butyl ether (MTBE)	55		"	50.0		111	59-135		1.16	30	
Methylene chloride	52		"	50.0		104	51-136		2.09	30	



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD	Flag
		Limit			Result					Limit	

**Batch BI30534 - EPA 5030B**

**LCS Dup (BI30534-BSD1)**

Prepared & Analyzed: 09/12/2013

Naphthalene	54		ug/L	50.0		107	61-147		3.36	30
n-Butylbenzene	48		"	50.0		96.6	79-122		0.498	30
n-Propylbenzene	48		"	50.0		96.6	80-123		3.06	30
o-Xylene	50		"	50.0		100	91-110		2.30	30
p- & m- Xylenes	100		"	100		101	86-118		1.65	30
sec-Butylbenzene	51		"	50.0		102	82-127		0.838	30
Styrene	51		"	50.0		101	88-121		0.845	30
tert-Butylbenzene	50		"	50.0		99.3	70-130		7.65	30
Tetrachloroethylene	49		"	50.0		98.9	67-138		0.324	30
Toluene	49		"	50.0		97.0	88-113		2.80	30
trans-1,2-Dichloroethylene	53		"	50.0		107	73-123		3.04	30
trans-1,3-Dichloropropylene	54		"	50.0		107	85-123		0.806	30
Trichloroethylene	52		"	50.0		105	83-120		0.382	30
Trichlorofluoromethane	51		"	50.0		102	62-138		0.450	30
Vinyl Chloride	51		"	50.0		103	49-127		2.38	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.0</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>78-122</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>50.2</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>87-112</i>			
<i>Surrogate: Toluene-d8</i>	<i>48.0</i>		<i>"</i>	<i>50.0</i>		<i>96.0</i>	<i>91-110</i>			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit								Limit			

Batch BI30542 - EPA 3550B

Blank (BI30542-BLK1)

Prepared: 09/12/2013 Analyzed: 09/13/2013

Acenaphthene	ND	0.167	mg/kg wet										
Acenaphthylene	ND	0.167	"										
Anthracene	ND	0.167	"										
Benzo(a)anthracene	ND	0.167	"										
Benzo(a)pyrene	ND	0.167	"										
Benzoic acid	ND	0.333	"										
Benzo(b)fluoranthene	ND	0.167	"										
Benzo(g,h,i)perylene	ND	0.167	"										
Benzyl alcohol	ND	0.167	"										
Benzo(k)fluoranthene	ND	0.167	"										
Benzyl butyl phthalate	ND	0.167	"										
4-Bromophenyl phenyl ether	ND	0.167	"										
4-Chloro-3-methylphenol	ND	0.167	"										
4-Chloroaniline	ND	0.167	"										
Bis(2-chloroethoxy)methane	ND	0.167	"										
Bis(2-chloroethyl)ether	ND	0.167	"										
Bis(2-chloroisopropyl)ether	ND	0.167	"										
Bis(2-ethylhexyl)phthalate	ND	0.167	"										
2-Chloronaphthalene	ND	0.167	"										
2-Chlorophenol	ND	0.167	"										
4-Chlorophenyl phenyl ether	ND	0.167	"										
Chrysene	ND	0.167	"										
Dibenzo(a,h)anthracene	ND	0.167	"										
Dibenzofuran	ND	0.167	"										
Di-n-butyl phthalate	ND	0.167	"										
1,2-Dichlorobenzene	ND	0.167	"										
1,4-Dichlorobenzene	ND	0.167	"										
1,3-Dichlorobenzene	ND	0.167	"										
3,3'-Dichlorobenzidine	ND	0.333	"										
2,4-Dichlorophenol	ND	0.167	"										
Diethyl phthalate	ND	0.167	"										
2,4-Dimethylphenol	ND	0.167	"										
Dimethyl phthalate	ND	0.167	"										
2-Nitroaniline	ND	0.167	"										
4,6-Dinitro-2-methylphenol	ND	0.167	"										
2,4-Dinitrophenol	ND	0.333	"										
2,6-Dinitrotoluene	ND	0.167	"										
2,4-Dinitrotoluene	ND	0.167	"										
Di-n-octyl phthalate	ND	0.167	"										
Fluoranthene	ND	0.167	"										
Fluorene	ND	0.167	"										
Hexachlorobenzene	ND	0.167	"										
Hexachlorobutadiene	ND	0.167	"										
Hexachlorocyclopentadiene	ND	0.167	"										
Hexachloroethane	ND	0.167	"										
Indeno(1,2,3-cd)pyrene	ND	0.167	"										
Isophorone	ND	0.167	"										
2-Methylnaphthalene	ND	0.167	"										
2-Methylphenol	ND	0.167	"										
3- & 4-Methylphenols	ND	0.167	"										
Naphthalene	ND	0.167	"										



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit	Units							Level	Result

Batch BI30542 - EPA 3550B

Blank (BI30542-BLK1)

Prepared: 09/12/2013 Analyzed: 09/13/2013

3-Nitroaniline	ND	0.167	mg/kg wet								
4-Nitroaniline	ND	0.167	"								
Nitrobenzene	ND	0.167	"								
4-Nitrophenol	ND	0.167	"								
2-Nitrophenol	ND	0.167	"								
N-nitroso-di-n-propylamine	ND	0.167	"								
N-Nitrosodiphenylamine	ND	0.167	"								
Pentachlorophenol	ND	0.167	"								
Phenanthrene	ND	0.167	"								
Phenol	ND	0.167	"								
Pyrene	ND	0.167	"								
1,2,4-Trichlorobenzene	ND	0.167	"								
2,4,5-Trichlorophenol	ND	0.167	"								
2,4,6-Trichlorophenol	ND	0.167	"								
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.45</i>		<i>"</i>	<i>2.61</i>		<i>55.5</i>		<i>10-142</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1.02</i>		<i>"</i>	<i>1.67</i>		<i>61.1</i>		<i>10-111</i>			
<i>Surrogate: 2-Fluorophenol</i>	<i>1.58</i>		<i>"</i>	<i>2.49</i>		<i>63.3</i>		<i>10-109</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.06</i>		<i>"</i>	<i>1.69</i>		<i>62.3</i>		<i>10-148</i>			
<i>Surrogate: Phenol-d5</i>	<i>1.64</i>		<i>"</i>	<i>2.51</i>		<i>65.4</i>		<i>10-124</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>1.08</i>		<i>"</i>	<i>1.70</i>		<i>63.7</i>		<i>10-147</i>			

LCS (BI30542-BS1)

Prepared: 09/12/2013 Analyzed: 09/13/2013

Acenaphthene	1.16	0.167	mg/kg wet	1.67		69.7		35-127			
Acenaphthylene	1.12	0.167	"	1.67		67.1		37-121			
Anthracene	1.14	0.167	"	1.67		68.4		38-131			
Benzo(a)anthracene	1.21	0.167	"	1.67		72.7		37-137			
Benzo(a)pyrene	1.22	0.167	"	1.67		73.5		33-162			
Benzo(b)fluoranthene	1.24	0.167	"	1.67		74.7		26-160			
Benzo(g,h,i)perylene	0.934	0.167	"	1.67		56.0		10-154			
Benzyl alcohol	1.18	0.167	"	1.67		71.0		33-124			
Benzo(k)fluoranthene	1.29	0.167	"	1.67		77.6		34-143			
Benzyl butyl phthalate	1.26	0.167	"	1.67		75.3		30-143			
4-Bromophenyl phenyl ether	1.09	0.167	"	1.67		65.3		35-135			
4-Chloro-3-methylphenol	1.32	0.167	"	1.67		79.1		34-133			
4-Chloroaniline	1.41	0.167	"	1.67		84.7		17-175			
Bis(2-chloroethoxy)methane	1.19	0.167	"	1.67		71.4		31-119			
Bis(2-chloroethyl)ether	1.18	0.167	"	1.67		70.7		18-124			
Bis(2-chloroisopropyl)ether	1.13	0.167	"	1.67		67.9		10-141			
Bis(2-ethylhexyl)phthalate	1.24	0.167	"	1.67		74.7		35-137			
2-Chloronaphthalene	1.21	0.167	"	1.67		72.6		34-117			
2-Chlorophenol	1.06	0.167	"	1.67		63.8		32-123			
4-Chlorophenyl phenyl ether	1.14	0.167	"	1.67		68.4		25-142			
Chrysene	1.17	0.167	"	1.67		70.3		38-132			
Dibenzo(a,h)anthracene	1.01	0.167	"	1.67		60.8		14-153			
Dibenzofuran	1.50	0.167	"	1.67		90.2		39-123			
Di-n-butyl phthalate	1.20	0.167	"	1.67		71.8		35-132			
1,2-Dichlorobenzene	1.06	0.167	"	1.67		63.5		22-121			
1,4-Dichlorobenzene	1.11	0.167	"	1.67		66.5		20-122			
1,3-Dichlorobenzene	0.976	0.167	"	1.67		58.5		22-120			
3,3'-Dichlorobenzidine	1.35	0.333	"	1.67		81.1		16-177			
2,4-Dichlorophenol	1.18	0.167	"	1.67		70.6		30-134			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	

Batch BI30542 - EPA 3550B

LCS (BI30542-BS1)

Prepared: 09/12/2013 Analyzed: 09/13/2013

Diethyl phthalate	1.19	0.167	mg/kg wet	1.67		71.6	41-125				
2,4-Dimethylphenol	1.11	0.167	"	1.67		66.7	33-120				
Dimethyl phthalate	1.29	0.167	"	1.67		77.6	39-125				
2-Nitroaniline	1.25	0.167	"	1.67		75.1	38-130				
4,6-Dinitro-2-methylphenol	1.21	0.167	"	1.67		72.4	10-165				
2,4-Dinitrophenol	1.31	0.333	"	1.67		78.9	53-209				
2,6-Dinitrotoluene	1.28	0.167	"	1.67		76.8	42-130				
2,4-Dinitrotoluene	1.29	0.167	"	1.67		77.3	41-129				
Di-n-octyl phthalate	1.29	0.167	"	1.67		77.4	19-162				
Fluoranthene	1.16	0.167	"	1.67		69.9	35-136				
Fluorene	1.17	0.167	"	1.67		70.4	33-134				
Hexachlorobenzene	1.17	0.167	"	1.67		70.2	31-139				
Hexachlorobutadiene	1.05	0.167	"	1.67		62.7	19-137				
Hexachlorocyclopentadiene	0.186	0.167	"	1.67		11.2	10-145				
Hexachloroethane	1.05	0.167	"	1.67		62.8	12-125				
Indeno(1,2,3-cd)pyrene	1.01	0.167	"	1.67		60.7	11-155				
Isophorone	1.24	0.167	"	1.67		74.5	30-125				
2-Methylnaphthalene	1.15	0.167	"	1.67		69.0	30-125				
2-Methylphenol	1.12	0.167	"	1.67		67.3	30-128				
3- & 4-Methylphenols	1.11	0.167	"	1.67		66.6	30-120				
Naphthalene	1.08	0.167	"	1.67		65.0	28-121				
3-Nitroaniline	1.34	0.167	"	1.67		80.3	10-234				
4-Nitroaniline	1.37	0.167	"	1.67		82.4	10-208				
Nitrobenzene	1.15	0.167	"	1.67		69.2	28-118				
4-Nitrophenol	1.42	0.167	"	1.67		85.2	10-185				
2-Nitrophenol	1.20	0.167	"	1.67		72.0	23-129				
N-nitroso-di-n-propylamine	1.17	0.167	"	1.67		70.3	21-136				
N-Nitrosodiphenylamine	1.45	0.167	"	1.67		86.8	36-163				
Pentachlorophenol	1.18	0.167	"	1.67		70.7	15-182				
Phenanthrene	1.15	0.167	"	1.67		69.2	37-132				
Phenol	1.16	0.167	"	1.67		69.6	28-124				
Pyrene	1.20	0.167	"	1.67		72.0	30-147				
1,2,4-Trichlorobenzene	1.11	0.167	"	1.67		66.6	22-129				
2,4,5-Trichlorophenol	1.04	0.167	"	1.67		62.1	34-126				
2,4,6-Trichlorophenol	1.10	0.167	"	1.67		66.1	36-130				
Surrogate: 2,4,6-Tribromophenol	1.55		"	2.61		59.1	10-142				
Surrogate: 2-Fluorobiphenyl	1.06		"	1.67		63.5	10-111				
Surrogate: 2-Fluorophenol	1.66		"	2.49		66.8	10-109				
Surrogate: Nitrobenzene-d5	1.13		"	1.69		66.5	10-148				
Surrogate: Phenol-d5	1.75		"	2.51		69.8	10-124				
Surrogate: Terphenyl-d14	1.06		"	1.70		62.1	10-147				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30542 - EPA 3550B

LCS Dup (BI30542-BSD1)

Prepared: 09/12/2013 Analyzed: 09/13/2013

Acenaphthene	1.12	0.167	mg/kg wet	1.67		67.5	35-127		3.21	30	
Acenaphthylene	1.06	0.167	"	1.67		63.8	37-121		4.98	30	
Anthracene	1.12	0.167	"	1.67		67.4	38-131		1.47	30	
Benzo(a)anthracene	1.17	0.167	"	1.67		70.4	37-137		3.24	30	
Benzo(a)pyrene	1.18	0.167	"	1.67		70.8	33-162		3.69	30	
Benzo(b)fluoranthene	1.17	0.167	"	1.67		70.3	26-160		6.04	30	
Benzo(g,h,i)perylene	0.892	0.167	"	1.67		53.5	10-154		4.56	30	
Benzyl alcohol	1.18	0.167	"	1.67		70.5	33-124		0.763	30	
Benzo(k)fluoranthene	1.21	0.167	"	1.67		72.4	34-143		6.83	30	
Benzyl butyl phthalate	1.20	0.167	"	1.67		72.3	30-143		4.12	30	
4-Bromophenyl phenyl ether	1.05	0.167	"	1.67		63.0	35-135		3.58	30	
4-Chloro-3-methylphenol	1.27	0.167	"	1.67		76.1	34-133		3.87	30	
4-Chloroaniline	1.37	0.167	"	1.67		82.5	17-175		2.70	30	
Bis(2-chloroethoxy)methane	1.17	0.167	"	1.67		70.3	31-119		1.67	30	
Bis(2-chloroethyl)ether	1.16	0.167	"	1.67		69.6	18-124		1.65	30	
Bis(2-chloroisopropyl)ether	1.13	0.167	"	1.67		67.6	10-141		0.443	30	
Bis(2-ethylhexyl)phthalate	1.20	0.167	"	1.67		72.0	35-137		3.71	30	
2-Chloronaphthalene	1.17	0.167	"	1.67		70.0	34-117		3.56	30	
2-Chlorophenol	1.05	0.167	"	1.67		63.2	32-123		0.976	30	
4-Chlorophenyl phenyl ether	1.07	0.167	"	1.67		64.4	25-142		6.12	30	
Chrysene	1.11	0.167	"	1.67		66.9	38-132		5.04	30	
Dibenzo(a,h)anthracene	0.974	0.167	"	1.67		58.4	14-153		3.99	30	
Dibenzofuran	1.13	0.167	"	1.67		67.5	39-123		28.7	30	
Di-n-butyl phthalate	1.16	0.167	"	1.67		69.5	35-132		3.23	30	
1,2-Dichlorobenzene	1.05	0.167	"	1.67		62.9	22-121		0.886	30	
1,4-Dichlorobenzene	1.09	0.167	"	1.67		65.5	20-122		1.52	30	
1,3-Dichlorobenzene	0.988	0.167	"	1.67		59.3	22-120		1.22	30	
3,3'-Dichlorobenzidine	1.32	0.333	"	1.67		79.5	16-177		1.99	30	
2,4-Dichlorophenol	1.16	0.167	"	1.67		69.5	30-134		1.60	30	
Diethyl phthalate	1.13	0.167	"	1.67		67.9	41-125		5.36	30	
2,4-Dimethylphenol	1.11	0.167	"	1.67		66.4	33-120		0.421	30	
Dimethyl phthalate	1.17	0.167	"	1.67		70.3	39-125		9.85	30	
4,6-Dinitro-2-methylphenol	1.18	0.167	"	1.67		70.8	10-165		2.18	30	
2-Nitroaniline	1.19	0.167	"	1.67		71.5	38-130		4.94	30	
2,4-Dinitrophenol	1.30	0.333	"	1.67		78.2	53-209		0.789	30	
2,6-Dinitrotoluene	1.23	0.167	"	1.67		73.9	42-130		3.82	30	
2,4-Dinitrotoluene	1.23	0.167	"	1.67		73.9	41-129		4.52	30	
Di-n-octyl phthalate	1.23	0.167	"	1.67		73.8	19-162		4.79	30	
Fluoranthene	1.12	0.167	"	1.67		67.2	35-136		3.94	30	
Fluorene	1.13	0.167	"	1.67		67.7	33-134		3.85	30	
Hexachlorobenzene	1.14	0.167	"	1.67		68.6	31-139		2.25	30	
Hexachlorobutadiene	1.02	0.167	"	1.67		61.0	19-137		2.78	30	
Hexachlorocyclopentadiene	0.193	0.167	"	1.67		11.6	10-145		3.69	30	
Hexachloroethane	1.04	0.167	"	1.67		62.2	12-125		1.09	30	
Indeno(1,2,3-cd)pyrene	0.976	0.167	"	1.67		58.5	11-155		3.59	30	
Isophorone	1.21	0.167	"	1.67		72.7	30-125		2.53	30	
2-Methylnaphthalene	1.12	0.167	"	1.67		67.4	30-125		2.32	30	
2-Methylphenol	1.12	0.167	"	1.67		67.4	30-128		0.149	30	
3- & 4-Methylphenols	1.10	0.167	"	1.67		65.8	30-120		1.24	30	
Naphthalene	1.07	0.167	"	1.67		64.2	28-121		1.18	30	
3-Nitroaniline	1.31	0.167	"	1.67		78.7	10-234		2.04	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30542 - EPA 3550B

LCS Dup (BI30542-BSD1)

Prepared: 09/12/2013 Analyzed: 09/13/2013

4-Nitroaniline	1.28	0.167	mg/kg wet	1.67		76.8	10-208		7.14	30	
Nitrobenzene	1.15	0.167	"	1.67		68.9	28-118		0.434	30	
4-Nitrophenol	1.33	0.167	"	1.67		79.6	10-185		6.85	30	
2-Nitrophenol	1.17	0.167	"	1.67		70.4	23-129		2.22	30	
N-nitroso-di-n-propylamine	1.16	0.167	"	1.67		69.7	21-136		0.943	30	
N-Nitrosodiphenylamine	1.33	0.167	"	1.67		79.9	36-163		8.28	30	
Pentachlorophenol	1.13	0.167	"	1.67		67.6	15-182		4.49	30	
Phenanthrene	1.12	0.167	"	1.67		67.1	37-132		3.14	30	
Phenol	1.15	0.167	"	1.67		68.8	28-124		1.24	30	
Pyrene	1.16	0.167	"	1.67		69.5	30-147		3.48	30	
1,2,4-Trichlorobenzene	1.12	0.167	"	1.67		67.2	22-129		0.837	30	
2,4,5-Trichlorophenol	1.03	0.167	"	1.67		62.1	34-126		0.0966	30	
2,4,6-Trichlorophenol	1.07	0.167	"	1.67		64.4	36-130		2.70	30	
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.46</i>		<i>"</i>	<i>2.61</i>		<i>56.0</i>	<i>10-142</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.973</i>		<i>"</i>	<i>1.67</i>		<i>58.4</i>	<i>10-111</i>				
<i>Surrogate: 2-Fluorophenol</i>	<i>1.50</i>		<i>"</i>	<i>2.49</i>		<i>60.1</i>	<i>10-109</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1.10</i>		<i>"</i>	<i>1.69</i>		<i>64.9</i>	<i>10-148</i>				
<i>Surrogate: Phenol-d5</i>	<i>1.61</i>		<i>"</i>	<i>2.51</i>		<i>64.1</i>	<i>10-124</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1.01</i>		<i>"</i>	<i>1.70</i>		<i>59.6</i>	<i>10-147</i>				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Flag
		Limit								Limit	

**Batch BI30467 - EPA 3010A**

**Blank (BI30467-BLK1)**

Prepared & Analyzed: 09/11/2013

Aluminum - Dissolved	ND	0.010	mg/L
Antimony - Dissolved	ND	0.005	"
Arsenic - Dissolved	ND	0.004	"
Barium - Dissolved	ND	0.010	"
Beryllium - Dissolved	ND	0.001	"
Cadmium - Dissolved	ND	0.003	"
Calcium - Dissolved	ND	0.050	"
Chromium - Dissolved	ND	0.005	"
Cobalt - Dissolved	ND	0.005	"
Copper - Dissolved	ND	0.003	"
Iron - Dissolved	ND	0.020	"
Lead - Dissolved	ND	0.003	"
Magnesium - Dissolved	ND	0.050	"
Manganese - Dissolved	ND	0.005	"
Nickel - Dissolved	ND	0.005	"
Potassium - Dissolved	ND	0.050	"
Selenium - Dissolved	ND	0.010	"
Silver - Dissolved	ND	0.005	"
Sodium - Dissolved	ND	0.100	"
Thallium - Dissolved	ND	0.005	"
Vanadium - Dissolved	ND	0.010	"
Zinc - Dissolved	ND	0.010	"

**Reference (BI30467-SRM1)**

Prepared & Analyzed: 09/11/2013

Aluminum - Dissolved	0.398	0.010	mg/L	0.366	109	74.9-126
Antimony - Dissolved	0.092	0.005	"	0.102	90.7	59.4-125
Arsenic - Dissolved	0.437	0.004	"	0.482	90.7	83.8-117
Barium - Dissolved	1.88	0.010	"	1.92	98.0	87-113
Beryllium - Dissolved	0.636	0.001	"	0.667	95.4	85-113
Cadmium - Dissolved	0.268	0.003	"	0.293	91.6	85.3-114
Chromium - Dissolved	0.260	0.005	"	0.276	94.3	86.6-113
Cobalt - Dissolved	0.546	0.005	"	0.562	97.2	87.9-112
Copper - Dissolved	0.499	0.003	"	0.522	95.6	90-110
Iron - Dissolved	1.40	0.020	"	1.39	101	88.4-113
Lead - Dissolved	1.40	0.003	"	1.48	94.4	87.8-111
Manganese - Dissolved	0.390	0.005	"	0.389	100	89.5-111
Nickel - Dissolved	1.25	0.005	"	1.34	93.1	90.3-112
Selenium - Dissolved	0.475	0.010	"	0.541	87.8	79.1-116
Silver - Dissolved	0.336	0.005	"	0.359	93.5	85.8-114
Thallium - Dissolved	0.571	0.005	"	0.579	98.5	81-120
Vanadium - Dissolved	0.437	0.010	"	0.484	90.4	87.6-112
Zinc - Dissolved	1.20	0.010	"	1.30	92.7	86.2-115



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	Limits		Limit			

**Batch BI30467 - EPA 3010A**

**Reference (BI30467-SRM2)**

Prepared & Analyzed: 09/11/2013

Calcium - Dissolved	64.9	0.050	mg/L	62.7		103		86-114			
Magnesium - Dissolved	29.7	0.050	"	29.0		102		86.2-114			
Potassium - Dissolved	34.7	0.050	"	32.4		107		85.2-115			
Sodium - Dissolved	88.1	0.100	"	85.1		104		85-115			

**Batch BI30468 - EPA 3010A**

**Blank (BI30468-BLK1)**

Prepared & Analyzed: 09/11/2013

Aluminum	ND	0.010	mg/L								
Antimony	ND	0.005	"								
Arsenic	ND	0.004	"								
Barium	ND	0.010	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.050	"								
Chromium	ND	0.005	"								
Cobalt	ND	0.005	"								
Copper	ND	0.003	"								
Iron	ND	0.020	"								
Lead	ND	0.003	"								
Magnesium	ND	0.050	"								
Manganese	ND	0.005	"								
Nickel	ND	0.005	"								
Potassium	ND	0.050	"								
Selenium	ND	0.010	"								
Silver	ND	0.005	"								
Sodium	ND	0.100	"								
Thallium	ND	0.005	"								
Vanadium	ND	0.010	"								
Zinc	ND	0.010	"								



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								RPD	Limit

**Batch BI30468 - EPA 3010A**

**Reference (BI30468-SRM1)**

Prepared & Analyzed: 09/11/2013

Aluminum	0.387	0.010	mg/L	0.366		106	74.9-126				
Antimony	0.089	0.005	"	0.102		87.4	59.4-125				
Arsenic	0.427	0.004	"	0.482		88.6	83.8-117				
Barium	1.84	0.010	"	1.92		96.1	87-113				
Beryllium	0.625	0.001	"	0.667		93.7	85-113				
Cadmium	0.262	0.003	"	0.293		89.6	85.3-114				
Chromium	0.255	0.005	"	0.276		92.4	86.6-113				
Cobalt	0.536	0.005	"	0.562		95.3	87.9-112				
Copper	0.489	0.003	"	0.522		93.8	90-110				
Iron	1.37	0.020	"	1.39		98.5	88.4-113				
Lead	1.36	0.003	"	1.48		92.2	87.8-111				
Manganese	0.382	0.005	"	0.389		98.2	89.5-111				
Nickel	1.22	0.005	"	1.34		91.3	90.3-112				
Selenium	0.463	0.010	"	0.541		85.5	79.1-116				
Silver	0.330	0.005	"	0.359		91.9	85.8-114				
Thallium	0.559	0.005	"	0.579		96.6	81-120				
Vanadium	0.430	0.010	"	0.484		88.7	87.6-112				
Zinc	1.18	0.010	"	1.30		90.6	86.2-115				

**Reference (BI30468-SRM2)**

Prepared & Analyzed: 09/11/2013

Calcium	62.9	0.050	mg/L	62.7		100	86-114				
Magnesium	30.1	0.050	"	29.0		104	86.2-114				
Potassium	34.6	0.050	"	32.4		107	85.2-115				
Sodium	88.7	0.100	"	85.1		104	85-115				

**Batch BI30469 - EPA 3050B**

**Blank (BI30469-BLK1)**

Prepared & Analyzed: 09/11/2013

Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	Limits	Limit					

**Batch BI30469 - EPA 3050B**

**Reference (BI30469-SRM1)**

Prepared & Analyzed: 09/11/2013

Aluminum	5810	1.00	mg/kg wet	9060		64.2	42.6-157					
Antimony	90.7	0.500	"	106		85.6	23.1-256					
Arsenic	169	1.00	"	182		92.7	70.9-130					
Barium	125	1.00	"	143		87.4	72.7-128					
Beryllium	93.1	0.100	"	98.3		94.7	74.6-125					
Cadmium	53.5	0.300	"	60.4		88.6	73.2-129					
Calcium	5750	5.00	"	6040		95.3	73.7-126					
Chromium	113	0.500	"	125		90.1	69.8-130					
Cobalt	155	0.500	"	163		95.3	74.2-125					
Copper	78.1	0.500	"	80.1		97.5	73.7-130					
Iron	9970	2.00	"	12900		77.3	32.3-168					
Lead	123	0.300	"	136		90.3	73.1-127					
Magnesium	2170	5.00	"	2640		82.0	64-136					
Manganese	257	0.500	"	279		92.1	74.2-126					
Nickel	131	0.500	"	128		102	73.1-130					
Potassium	2270	5.00	"	2820		80.4	62.1-138					
Selenium	80.9	1.00	"	85.9		94.2	63.9-136					
Silver	54.7	0.500	"	61.3		89.3	66.9-133					
Sodium	609	10.0	"	439		139	48.3-152					
Thallium	133	1.00	"	144		92.0	68.3-132					
Vanadium	90.7	1.00	"	104		87.2	66-134					
Zinc	177	1.00	"	204		86.8	69.6-133					



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI30564 - EPA 7473 soil</b>											
<b>Blank (BI30564-BLK1)</b>										Prepared & Analyzed: 09/13/2013	
Mercury	ND	0.000800	mg/kg wet								
<b>Reference (BI30564-SRM1)</b>										Prepared & Analyzed: 09/13/2013	
Mercury	3.49		mg/kg	3.73		93.6	68.6-131				
<b>Batch BI30658 - EPA 7473 water</b>											
<b>Blank (BI30658-BLK1)</b>										Prepared & Analyzed: 09/16/2013	
Mercury - Dissolved	ND	0.05000	ug/L								
Mercury	ND	0.0500	"								
<b>Reference (BI30658-SRM1)</b>										Prepared & Analyzed: 09/16/2013	
Mercury	0.0230		mg/kg	0.0230		100	61.3-135				
Mercury - Dissolved	0.023000		"	0.0230		100	61.3-135				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI30449 - Analysis Preparation</b>											
<b>Blank (BI30449-BLK1)</b>										Prepared & Analyzed: 09/11/2013	
Cyanide, total	ND	0.0100	mg/L								
<b>LCS (BI30449-BS1)</b>										Prepared & Analyzed: 09/11/2013	
Cyanide, total	80.5	0.0100	mg/L	100		80.5	76.2-107				
<b>Duplicate (BI30449-DUP1)</b> *Source sample: 13I0345-05 (CP-MW-04)										Prepared & Analyzed: 09/11/2013	
Cyanide, total	ND	0.0100	mg/L		ND						15
<b>Matrix Spike (BI30449-MS1)</b> *Source sample: 13I0345-05 (CP-MW-04)										Prepared & Analyzed: 09/11/2013	
Cyanide, total	0.170	0.0100	mg/L	0.200	ND	85.0	79-105				
<b>Batch BI30481 - Analysis Preparation Soil</b>											
<b>Blank (BI30481-BLK1)</b>										Prepared: 09/11/2013 Analyzed: 09/12/2013	
Cyanide, total	ND	0.500	mg/kg wet								
<b>Reference (BI30481-SRM1)</b>										Prepared: 09/11/2013 Analyzed: 09/12/2013	
Cyanide, total	92.5		ug/mL	59.3		156	38.4-202				



## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13I0345-01	CP-SB-1 (8-10')	8 oz. WM Clear Glass Cool to 4° C
13I0345-02	CP-SB-1 (14-16')	8 oz. WM Clear Glass Cool to 4° C
13I0345-03	CP-SB-9 (2-4')	8 oz. WM Clear Glass Cool to 4° C
13I0345-04	CP-SB-9 (4.5-6')	8 oz. WM Clear Glass Cool to 4° C
13I0345-05	CP-MW-04	1000mL Amber Glass Cool to 4° C

### Notes and Definitions

- M-LSRD Original sample conc <50 X reporting limit.
- M-ACCB Analyte in CCB. Run is bracketed by acceptable CCBs.
- J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
- EXT-EM The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
- EXT-D The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
- 
- ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
- RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
- MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.



If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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# Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 13E0345

<b>YOUR Information</b> Company: <u>CHAZEN</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>Report To:</b> Company: <u>CHAZEN</u> Address: _____ Phone No. _____ Attention: <u>ACCT PAYABLE</u> E-Mail Address: _____		<b>Invoice To:</b> Company: <u>CHAZEN</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>YOUR Project ID</b> <u>530 W. 20th St</u> Purchase Order No. <u>91337.00</u> <u>P15126</u>		<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard (5-7 Days) <input checked="" type="checkbox"/>		<b>Report Type/Deliverables</b> Summary Report <input checked="" type="checkbox"/> Summary w/ QA Summary <input type="checkbox"/> CT RCP Package <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input type="checkbox"/> Electronic Deliverables <input type="checkbox"/> EDD (Specify Type) _____ Excel <input type="checkbox"/>	
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*Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.*

Eric Orłowski  
 Samples Collected/Authorized By (Signature)  
Eric Orłowski  
 Name (printed)

Matrix Codes	Volatiles	Semi-Vols.	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters	Special Instructions
S - soil Other - specify (oil, etc) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor	8260 full 624 STARS list BTEX MTBE TCM list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list	8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCM list NDEP list App. IX TCM BNA SPLP or TCLP	RCRAS PPI3 list TAL CT 15 list TAGM list NDEP list Dissolved SPLP or TCLP Indic. Metals LIST below	TPH GRO CT ETHP NY 310-13 TPH 1664 Air TO15 Air STARS Air VPH Air TICs Methane Helium	Pri. Poll. TCL Organic TAL MetCN Full TCLP Full App. IX Pat. 360-Residue Pat. 360-Residue Pat. 360-Residue Pat. 360-Residue NYCDEP Sewer NYCDEP Sewer TAGM	Crossivity Reactivity TKN Flash Point Sieve Anal. Heterocyclics Chloride Phosphate Tot. Phos. Oil & Grease F.O.G. pH MSAS Silica	Color Phenols Cyanide-T Cyanide-A BOD5 BOD28 COD TSS Total Solids TDS TPH-1664

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
CP-SB-1 (8-10')	9/9/13 820	S	8260, 8270, TAL-Metals + Cyanide	4x VOA, 1x BOD
CP-SB-1 (14-16')	855	↓		
CP-SB-9 (2-4')	1310	↓		
CP-SB-9 (4.5-6')	1320	↓		
CP-MW-04	1805	GW	8260, 8270, Total TAL-Metals/Cyanide, Dissolved TAL Metals/Cyanide	3x VOA 1x Amber, 2x 250mL

Comments

Preservation:  Frozen,  HCl,  MeOH,  NaOH  
 ZnAc,  Ascorbic Acid,  Other

Samples Relinquished By: E.O. Orłowski Date/Time: 9/13 830  
 Samples Received By: K. Baker Date/Time: 9/13 830

Samples Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Samples Received in L.A.B. by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Temperature on Receipt: 4.6 °C



# Technical Report

prepared for:

**Chazen Environmental Services (Poughkeepsie)**

21 Fox Street

Poughkeepsie NY, 12601

**Attention: Eric Orlowski**

Report Date: 09/19/2013

**Client Project ID: 91337.00 530 W. 28th St**

York Project (SDG) No.: 1310283

Revision No. 1.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/19/2013  
Client Project ID: 91337.00 530 W. 28th St  
York Project (SDG) No.: 13I0283

**Chazen Environmental Services (Poughkeepsie)**

21 Fox Street  
Poughkeepsie NY, 12601  
Attention: Eric Orlowski

**Purpose and Results**

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 06, 2013 and listed below. The project was identified as your project: **91337.00 530 W. 28th St.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13I0283-02	CP-SB-1 (0-2')	Soil	09/06/2013	09/06/2013

**General Notes for York Project (SDG) No.: 13I0283**

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

**Approved By:**



Benjamin Gulizia  
Laboratory Director

**Date:** 09/19/2013

**YORK**



## Sample Information

**Client Sample ID:** CP-SB-1 (0-2')

**York Sample ID:** 1310283-02

York Project (SDG) No.  
1310283

Client Project ID  
91337.00 530 W. 28th St

Matrix  
Soil

Collection Date/Time  
September 6, 2013 7:55 am

Date Received  
09/06/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
67-64-1	Acetone	<b>0.025</b>		mg/kg dry	0.0025	0.010	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS



## Sample Information

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**York Sample ID:** 1310283-02

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1310283

91337.00 530 W. 28th St

Soil

September 6, 2013 7:55 am

09/06/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0025	0.010	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
91-20-3	Naphthalene	ND		mg/kg dry	0.0025	0.010	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS



### Sample Information

**Client Sample ID:** CP-SB-1 (0-2')

**York Sample ID:** 1310283-02

York Project (SDG) No.

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Collection Date/Time

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1310283

91337.00 530 W. 28th St

Soil

September 6, 2013 7:55 am

09/06/2013

**Volatile Organics, 8260 List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0025	0.0051	1	EPA SW846-8260B	09/10/2013 08:36	09/10/2013 16:32	SS
<b>Surrogate Recoveries</b>		<b>Result</b>			<b>Acceptance Range</b>						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.6 %			72-137						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %			72-138						
2037-26-5	Surrogate: Toluene-d8	102 %			85-118						

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
62-53-3	Aniline	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
120-12-7	Anthracene	<b>0.606</b>	J	mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
56-55-3	Benzo(a)anthracene	<b>1.23</b>		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
50-32-8	Benzo(a)pyrene	<b>1.28</b>		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
205-99-2	Benzo(b)fluoranthene	<b>1.64</b>		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
191-24-2	Benzo(g,h,i)perylene	<b>0.648</b>	J	mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
207-08-9	Benzo(k)fluoranthene	<b>0.914</b>	J	mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
117-81-7	Bis(2-ethylhexyl)phthalate	<b>0.307</b>	J	mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
218-01-9	Chrysene	<b>1.20</b>		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
53-70-3	Dibenzo(a,h)anthracene	<b>0.318</b>	J	mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR



### Sample Information

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09/06/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
91-94-1	3,3'-Dichlorobenzidine	ND		mg/kg dry	0.960	1.91	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.960	1.92	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
206-44-0	Fluoranthene	<b>2.79</b>		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
86-73-7	Fluorene	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
193-39-5	Indeno(1,2,3-cd)pyrene	<b>0.611</b>	J	mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
78-59-1	Isophorone	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
95-48-7	2-Methylphenol	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
91-20-3	Naphthalene	<b>0.345</b>	J	mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR



### Sample Information

**Client Sample ID:** CP-SB-1 (0-2')

**York Sample ID:** 1310283-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310283

91337.00 530 W. 28th St

Soil

September 6, 2013 7:55 am

09/06/2013

**Semi-Volatiles, 8270 Target List**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.483	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
85-01-8	Phenanthrene	<b>2.34</b>		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
108-95-2	Phenol	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
129-00-0	Pyrene	<b>2.36</b>		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
110-86-1	Pyridine	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.241	0.958	5	EPA SW-846 8270C	09/10/2013 14:04	09/11/2013 18:41	SR

**Surrogate Recoveries**

**Result**

**Acceptance Range**

5175-83-7	Surrogate: 2,4,6-Tribromophenol	55.0 %		10-142
321-60-8	Surrogate: 2-Fluorobiphenyl	45.6 %		10-111
367-12-4	Surrogate: 2-Fluorophenol	36.7 %		10-109
4165-60-0	Surrogate: Nitrobenzene-d5	22.8 %		10-148
4165-62-2	Surrogate: Phenol-d5	38.3 %		10-124
1718-51-0	Surrogate: Terphenyl-d14	56.3 %		10-147

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	<b>4030</b>		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-36-0	Antimony	<b>6.31</b>		mg/kg dry	0.575	0.575	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-38-2	Arsenic	<b>4.54</b>		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-39-3	Barium	<b>878</b>		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.115	0.115	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-43-9	Cadmium	<b>6.02</b>		mg/kg dry	0.345	0.345	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-70-2	Calcium	<b>14200</b>		mg/kg dry	0.575	5.75	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-47-3	Chromium	<b>26.9</b>		mg/kg dry	0.575	0.575	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-48-4	Cobalt	<b>20.2</b>		mg/kg dry	0.575	0.575	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-50-8	Copper	<b>216</b>		mg/kg dry	0.575	0.575	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7439-89-6	Iron	<b>191000</b>		mg/kg dry	23.0	23.0	10	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7439-92-1	Lead	<b>7810</b>		mg/kg dry	3.45	3.45	10	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7439-95-4	Magnesium	<b>1880</b>		mg/kg dry	5.75	5.75	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7439-96-5	Manganese	<b>1170</b>		mg/kg dry	0.575	0.575	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-02-0	Nickel	<b>24.3</b>		mg/kg dry	0.575	0.575	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW



### Sample Information

**Client Sample ID:** CP-SB-1 (0-2')

**York Sample ID:** 1310283-02

York Project (SDG) No.

1310283

Client Project ID

91337.00 530 W. 28th St

Matrix

Soil

Collection Date/Time

September 6, 2013 7:55 am

Date Received

09/06/2013

**Metals, Target Analyte**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-09-7	Potassium	1130		mg/kg dry	5.75	5.75	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7782-49-2	Selenium	ND		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-22-4	Silver	ND		mg/kg dry	0.575	0.575	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-23-5	Sodium	285		mg/kg dry	11.5	11.5	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-28-0	Thallium	ND		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-62-2	Vanadium	21.0		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW
7440-66-6	Zinc	687		mg/kg dry	1.15	1.15	1	EPA SW846-6010B	09/09/2013 14:29	09/09/2013 18:41	MW

**Mercury by 7473**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	10.1		mg/kg dry	0.000920	0.000920	1	EPA SW846-7473	09/09/2013 14:55	09/10/2013 10:30	AAkba

**Total Solids**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	87.0		%	0.100	0.100	1	SM 2540G	09/13/2013 08:39	09/13/2013 16:10	AD

**Cyanide, Total**

**Log-in Notes:**

**Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.575	0.575	1	EPA 9014/9010C	09/11/2013 16:14	09/12/2013 16:08	BGS



## Analytical Batch Summary

**Batch ID:** BI30344      **Preparation Method:** EPA 3050B      **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0283-02	CP-SB-1 (0-2')	09/09/13
BI30344-BLK1	Blank	09/09/13
BI30344-SRM1	Reference	09/09/13

**Batch ID:** BI30350      **Preparation Method:** EPA 7473 soil      **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
13I0283-02	CP-SB-1 (0-2')	09/09/13
BI30350-BLK1	Blank	09/09/13
BI30350-SRM1	Reference	09/09/13

**Batch ID:** BI30372      **Preparation Method:** EPA 5035A      **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0283-02	CP-SB-1 (0-2')	09/10/13
BI30372-BLK1	Blank	09/10/13
BI30372-BS1	LCS	09/10/13
BI30372-BSD1	LCS Dup	09/10/13

**Batch ID:** BI30403      **Preparation Method:** EPA 3550B      **Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
13I0283-02	CP-SB-1 (0-2')	09/10/13
BI30403-BLK1	Blank	09/10/13
BI30403-BS1	LCS	09/10/13
BI30403-BSD1	LCS Dup	09/10/13

**Batch ID:** BI30481      **Preparation Method:** Analysis Preparation Soil      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0283-02	CP-SB-1 (0-2')	09/11/13
BI30481-BLK1	Blank	09/11/13
BI30481-SRM1	Reference	09/11/13

**Batch ID:** BI30571      **Preparation Method:** % Solids Prep      **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0283-02	CP-SB-1 (0-2')	09/13/13



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30372 - EPA 5035A

Blank (BI30372-BLK1)

Prepared & Analyzed: 09/10/2013

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,1-Dichloropropylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,3-Dichloropropane	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2,2-Dichloropropane	ND	0.0050	"								
2-Butanone	ND	0.0050	"								
2-Chlorotoluene	ND	0.0050	"								
4-Chlorotoluene	ND	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	0.0032	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30372 - EPA 5035A

Blank (BI30372-BLK1)

Prepared & Analyzed: 09/10/2013

o-Xylene	ND	0.0050	mg/kg wet								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Vinyl acetate	ND	0.0050	"								
Surrogate: 1,2-Dichloroethane-d4	46.8		ug/L	50.0		93.6	72-137				
Surrogate: p-Bromofluorobenzene	48.0		"	50.0		96.1	72-138				
Surrogate: Toluene-d8	49.5		"	50.0		98.9	85-118				

LCS (BI30372-BS1)

Prepared & Analyzed: 09/10/2013

1,1,1,2-Tetrachloroethane	53		ug/L	50.0		107	91-113				
1,1,1-Trichloroethane	49		"	50.0		97.1	76-135				
1,1,2,2-Tetrachloroethane	55		"	50.0		111	82-119				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46		"	50.0		92.3	68-144				
1,1,2-Trichloroethane	53		"	50.0		107	82-114				
1,1-Dichloroethane	46		"	50.0		92.4	80-119				
1,1-Dichloroethylene	40		"	50.0		80.4	58-139				
1,1-Dichloropropylene	46		"	50.0		91.9	75-117				
1,2,3-Trichlorobenzene	55		"	50.0		109	72-133				
1,2,3-Trichloropropane	53		"	50.0		106	82-117				
1,2,4-Trichlorobenzene	53		"	50.0		106	69-135				
1,2,4-Trimethylbenzene	53		"	50.0		106	82-116				
1,2-Dibromo-3-chloropropane	50		"	50.0		101	72-131				
1,2-Dibromoethane	54		"	50.0		108	86-114				
1,2-Dichlorobenzene	52		"	50.0		103	85-114				
1,2-Dichloroethane	49		"	50.0		97.6	72-136				
1,2-Dichloropropane	52		"	50.0		105	79-119				
1,3,5-Trimethylbenzene	51		"	50.0		101	86-114				
1,3-Dichlorobenzene	52		"	50.0		103	84-114				
1,3-Dichloropropane	53		"	50.0		106	82-117				
1,4-Dichlorobenzene	52		"	50.0		104	82-116				
1,4-Dioxane	1200		"	1000		120	10-208				
2,2-Dichloropropane	48		"	50.0		97.0	44-148				
2-Butanone	47		"	50.0		94.8	60-129				
2-Chlorotoluene	51		"	50.0		102	82-114				
4-Chlorotoluene	51		"	50.0		102	82-117				
Acetone	27		"	50.0		54.2	26-119				
Benzene	49		"	50.0		98.3	81-117				
Bromobenzene	51		"	50.0		101	85-114				
Bromochloromethane	47		"	50.0		94.5	79-118				
Bromodichloromethane	50		"	50.0		101	88-123				
Bromoform	54		"	50.0		109	85-122				



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			

**Batch BI30372 - EPA 5035A**

**LCS (BI30372-BS1)**

Prepared & Analyzed: 09/10/2013

Bromomethane	39		ug/L	50.0		78.6		43-137					
Carbon tetrachloride	49		"	50.0		97.4		79-135					
Chlorobenzene	51		"	50.0		102		87-112					
Chloroethane	44		"	50.0		87.4		60-132					
Chloroform	47		"	50.0		94.7		80-126					
Chloromethane	40		"	50.0		80.0		36-133					
cis-1,2-Dichloroethylene	49		"	50.0		98.2		80-119					
cis-1,3-Dichloropropylene	54		"	50.0		109		87-125					
Dibromochloromethane	54		"	50.0		108		86-128					
Dibromomethane	53		"	50.0		107		85-121					
Dichlorodifluoromethane	34		"	50.0		67.9		10-156					
Ethyl Benzene	52		"	50.0		104		88-117					
Hexachlorobutadiene	52		"	50.0		104		82-129					
Isopropylbenzene	51		"	50.0		103		84-116					
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.7		58-137					
Methylene chloride	42		"	50.0		84.3		47-140					
Naphthalene	58		"	50.0		115		65-143					
n-Butylbenzene	51		"	50.0		103		79-119					
n-Propylbenzene	50		"	50.0		99.6		82-116					
o-Xylene	49		"	50.0		98.7		88-111					
p- & m- Xylenes	100		"	100		102		86-117					
p-Isopropyltoluene	52		"	50.0		104		84-120					
sec-Butylbenzene	50		"	50.0		101		85-119					
Styrene	52		"	50.0		105		85-119					
tert-Butylbenzene	52		"	50.0		103		84-119					
Tetrachloroethylene	48		"	50.0		95.8		74-127					
Toluene	51		"	50.0		102		83-114					
trans-1,2-Dichloroethylene	47		"	50.0		94.3		68-131					
trans-1,3-Dichloropropylene	56		"	50.0		112		81-127					
Trichloroethylene	52		"	50.0		103		84-118					
Trichlorofluoromethane	43		"	50.0		85.1		59-148					
Vinyl Chloride	41		"	50.0		82.9		46-133					
Vinyl acetate	14		"	50.0		27.6		10-84					
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>46.8</i>		<i>"</i>	<i>50.0</i>		<i>93.7</i>		<i>72-137</i>					
<i>Surrogate: p-Bromofluorobenzene</i>	<i>51.4</i>		<i>"</i>	<i>50.0</i>		<i>103</i>		<i>72-138</i>					
<i>Surrogate: Toluene-d8</i>	<i>50.5</i>		<i>"</i>	<i>50.0</i>		<i>101</i>		<i>85-118</i>					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	Flag
		Limit			Result					RPD	
<b>Batch BI30372 - EPA 5035A</b>											
<b>LCS Dup (BI30372-bsd1)</b>											
Prepared & Analyzed: 09/10/2013											
1,1,1,2-Tetrachloroethane	52		ug/L	50.0		105	91-113			2.04	30
1,1,1-Trichloroethane	50		"	50.0		99.4	76-135			2.32	30
1,1,2,2-Tetrachloroethane	50		"	50.0		100	82-119			10.0	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46		"	50.0		92.6	68-144			0.324	30
1,1,2-Trichloroethane	50		"	50.0		99.8	82-114			6.68	30
1,1-Dichloroethane	48		"	50.0		95.8	80-119			3.59	30
1,1-Dichloroethylene	40		"	50.0		80.7	58-139			0.273	30
1,1-Dichloropropylene	47		"	50.0		93.3	75-117			1.51	30
1,2,3-Trichlorobenzene	55		"	50.0		109	72-133			0.0548	30
1,2,3-Trichloropropane	51		"	50.0		103	82-117			3.20	30
1,2,4-Trichlorobenzene	57		"	50.0		114	69-135			6.79	30
1,2,4-Trimethylbenzene	51		"	50.0		103	82-116			2.63	30
1,2-Dibromo-3-chloropropane	46		"	50.0		92.0	72-131			8.93	30
1,2-Dibromoethane	50		"	50.0		99.3	86-114			8.10	30
1,2-Dichlorobenzene	51		"	50.0		101	85-114			2.15	30
1,2-Dichloroethane	47		"	50.0		94.8	72-136			2.89	30
1,2-Dichloropropane	50		"	50.0		99.1	79-119			5.72	30
1,3,5-Trimethylbenzene	49		"	50.0		98.6	86-114			2.86	30
1,3-Dichlorobenzene	52		"	50.0		104	84-114			0.639	30
1,3-Dichloropropane	49		"	50.0		97.5	82-117			8.18	30
1,4-Dichlorobenzene	54		"	50.0		107	82-116			2.92	30
1,4-Dioxane	1100		"	1000		110	10-208			8.38	30
2,2-Dichloropropane	48		"	50.0		95.6	44-148			1.43	30
2-Butanone	44		"	50.0		87.9	60-129			7.58	30
2-Chlorotoluene	49		"	50.0		97.7	82-114			3.82	30
4-Chlorotoluene	50		"	50.0		100	82-117			1.61	30
Acetone	26		"	50.0		51.0	26-119			5.97	30
Benzene	50		"	50.0		99.0	81-117			0.750	30
Bromobenzene	49		"	50.0		98.5	85-114			2.88	30
Bromochloromethane	47		"	50.0		94.3	79-118			0.191	30
Bromodichloromethane	51		"	50.0		101	88-123			0.455	30
Bromoform	52		"	50.0		104	85-122			4.34	30
Bromomethane	41		"	50.0		81.3	43-137			3.33	30
Carbon tetrachloride	49		"	50.0		97.9	79-135			0.594	30
Chlorobenzene	50		"	50.0		100	87-112			1.54	30
Chloroethane	44		"	50.0		87.9	60-132			0.593	30
Chloroform	49		"	50.0		98.7	80-126			4.14	30
Chloromethane	41		"	50.0		81.3	36-133			1.64	30
cis-1,2-Dichloroethylene	49		"	50.0		97.9	80-119			0.367	30
cis-1,3-Dichloropropylene	52		"	50.0		104	87-125			5.16	30
Dibromochloromethane	51		"	50.0		103	86-128			5.15	30
Dibromomethane	49		"	50.0		97.4	85-121			9.10	30
Dichlorodifluoromethane	34		"	50.0		67.2	10-156			1.01	30
Ethyl Benzene	51		"	50.0		103	88-117			1.04	30
Hexachlorobutadiene	56		"	50.0		111	82-129			7.30	30
Isopropylbenzene	48		"	50.0		96.7	84-116			6.13	30
Methyl tert-butyl ether (MTBE)	47		"	50.0		94.0	58-137			5.95	30
Methylene chloride	42		"	50.0		84.0	47-140			0.404	30
Naphthalene	57		"	50.0		113	65-143			1.49	30
n-Butylbenzene	52		"	50.0		104	79-119			1.24	30
n-Propylbenzene	49		"	50.0		97.3	82-116			2.36	30



**Volatile Organic Compounds by GC/MS - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI30372 - EPA 5035A**

**LCS Dup (BI30372-BSD1)**

Prepared & Analyzed: 09/10/2013

o-Xylene	48		ug/L	50.0		96.0	88-111		2.77	30	
p- & m- Xylenes	100		"	100		99.9	86-117		2.32	30	
p-Isopropyltoluene	52		"	50.0		104	84-120		0.481	30	
sec-Butylbenzene	50		"	50.0		100	85-119		0.538	30	
Styrene	52		"	50.0		104	85-119		1.03	30	
tert-Butylbenzene	51		"	50.0		103	84-119		0.582	30	
Tetrachloroethylene	48		"	50.0		96.1	74-127		0.334	30	
Toluene	49		"	50.0		98.3	83-114		3.95	30	
trans-1,2-Dichloroethylene	47		"	50.0		94.3	68-131		0.0424	30	
trans-1,3-Dichloropropylene	52		"	50.0		105	81-127		6.46	30	
Trichloroethylene	51		"	50.0		102	84-118		1.56	30	
Trichlorofluoromethane	43		"	50.0		85.4	59-148		0.399	30	
Vinyl Chloride	43		"	50.0		85.9	46-133		3.51	30	
Vinyl acetate	14		"	50.0		27.4	10-84		0.946	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>47.4</i>		<i>"</i>	<i>50.0</i>		<i>94.8</i>	<i>72-137</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>50.2</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>72-138</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.7</i>		<i>"</i>	<i>50.0</i>		<i>99.3</i>	<i>85-118</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit								RPD			

Batch BI30403 - EPA 3550B

Blank (BI30403-BLK1)

Prepared: 09/10/2013 Analyzed: 09/11/2013

Acenaphthene	ND	0.167	mg/kg wet										
Acenaphthylene	ND	0.167	"										
Aniline	ND	0.167	"										
Anthracene	ND	0.167	"										
Benzo(a)anthracene	ND	0.167	"										
Benzo(a)pyrene	ND	0.167	"										
Benzo(b)fluoranthene	ND	0.167	"										
Benzo(g,h,i)perylene	ND	0.167	"										
Benzyl alcohol	ND	0.167	"										
Benzo(k)fluoranthene	ND	0.167	"										
Benzyl butyl phthalate	ND	0.167	"										
4-Bromophenyl phenyl ether	ND	0.167	"										
4-Chloro-3-methylphenol	ND	0.167	"										
4-Chloroaniline	ND	0.167	"										
Bis(2-chloroethoxy)methane	ND	0.167	"										
Bis(2-chloroethyl)ether	ND	0.167	"										
Bis(2-chloroisopropyl)ether	ND	0.167	"										
Bis(2-ethylhexyl)phthalate	ND	0.167	"										
2-Chloronaphthalene	ND	0.167	"										
2-Chlorophenol	ND	0.167	"										
4-Chlorophenyl phenyl ether	ND	0.167	"										
Chrysene	ND	0.167	"										
Dibenzo(a,h)anthracene	ND	0.167	"										
Dibenzofuran	ND	0.167	"										
Di-n-butyl phthalate	ND	0.167	"										
1,2-Dichlorobenzene	ND	0.167	"										
1,4-Dichlorobenzene	ND	0.167	"										
1,3-Dichlorobenzene	ND	0.167	"										
3,3'-Dichlorobenzidine	ND	0.333	"										
2,4-Dichlorophenol	ND	0.167	"										
Diethyl phthalate	ND	0.167	"										
2,4-Dimethylphenol	ND	0.167	"										
Dimethyl phthalate	ND	0.167	"										
2-Nitroaniline	ND	0.167	"										
4,6-Dinitro-2-methylphenol	ND	0.167	"										
2,4-Dinitrophenol	ND	0.333	"										
2,6-Dinitrotoluene	ND	0.167	"										
2,4-Dinitrotoluene	ND	0.167	"										
Di-n-octyl phthalate	ND	0.167	"										
Fluoranthene	ND	0.167	"										
Fluorene	ND	0.167	"										
Hexachlorobenzene	ND	0.167	"										
Hexachlorobutadiene	ND	0.167	"										
Hexachlorocyclopentadiene	ND	0.167	"										
Hexachloroethane	ND	0.167	"										
Indeno(1,2,3-cd)pyrene	ND	0.167	"										
Isophorone	ND	0.167	"										
2-Methylnaphthalene	ND	0.167	"										
2-Methylphenol	ND	0.167	"										
3- & 4-Methylphenols	ND	0.167	"										
Naphthalene	ND	0.167	"										



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result	%REC			RPD		

Batch BI30403 - EPA 3550B

Blank (BI30403-BLK1)

Prepared: 09/10/2013 Analyzed: 09/11/2013

3-Nitroaniline	ND	0.167	mg/kg wet								
4-Nitroaniline	ND	0.167	"								
Nitrobenzene	ND	0.167	"								
4-Nitrophenol	ND	0.167	"								
2-Nitrophenol	ND	0.167	"								
N-nitroso-di-n-propylamine	ND	0.167	"								
N-Nitrosodimethylamine	ND	0.167	"								
N-Nitrosodiphenylamine	ND	0.167	"								
Pentachlorophenol	ND	0.167	"								
Phenanthrene	ND	0.167	"								
Phenol	ND	0.167	"								
Pyrene	ND	0.167	"								
Pyridine	ND	0.167	"								
1,2,4-Trichlorobenzene	ND	0.167	"								
2,4,5-Trichlorophenol	ND	0.167	"								
2,4,6-Trichlorophenol	ND	0.167	"								
<i>Surrogate: 2,4,6-Tribromophenol</i>	1.82		"	2.61		69.6	10-142				
<i>Surrogate: 2-Fluorobiphenyl</i>	1.02		"	1.67		60.9	10-111				
<i>Surrogate: 2-Fluorophenol</i>	1.19		"	2.49		47.7	10-109				
<i>Surrogate: Nitrobenzene-d5</i>	0.904		"	1.69		53.4	10-148				
<i>Surrogate: Phenol-d5</i>	1.47		"	2.51		58.5	10-124				
<i>Surrogate: Terphenyl-d14</i>	1.14		"	1.70		67.3	10-147				

LCS (BI30403-BS1)

Prepared: 09/10/2013 Analyzed: 09/11/2013

Acenaphthene	1.13	0.167	mg/kg wet	1.67		67.9	35-127				
Acenaphthylene	1.10	0.167	"	1.67		66.1	37-121				
Aniline	0.704	0.167	"	1.67		42.2	10-149				
Anthracene	1.11	0.167	"	1.67		66.3	38-131				
Benzo(a)anthracene	1.19	0.167	"	1.67		71.5	37-137				
Benzo(a)pyrene	1.37	0.167	"	1.67		82.0	33-162				
Benzo(b)fluoranthene	0.979	0.167	"	1.67		58.8	26-160				
Benzo(g,h,i)perylene	1.15	0.167	"	1.67		69.1	10-154				
Benzyl alcohol	0.996	0.167	"	1.67		59.8	33-124				
Benzo(k)fluoranthene	1.25	0.167	"	1.67		74.9	34-143				
Benzyl butyl phthalate	1.01	0.167	"	1.67		60.7	30-143				
4-Bromophenyl phenyl ether	1.22	0.167	"	1.67		73.4	35-135				
4-Chloro-3-methylphenol	1.06	0.167	"	1.67		63.3	34-133				
4-Chloroaniline	0.987	0.167	"	1.67		59.2	17-175				
Bis(2-chloroethoxy)methane	0.921	0.167	"	1.67		55.2	31-119				
Bis(2-chloroethyl)ether	0.941	0.167	"	1.67		56.4	18-124				
Bis(2-chloroisopropyl)ether	0.822	0.167	"	1.67		49.3	10-141				
Bis(2-ethylhexyl)phthalate	1.12	0.167	"	1.67		67.4	35-137				
2-Chloronaphthalene	1.10	0.167	"	1.67		66.1	34-117				
2-Chlorophenol	1.04	0.167	"	1.67		62.3	32-123				
4-Chlorophenyl phenyl ether	1.22	0.167	"	1.67		73.2	25-142				
Chrysene	1.09	0.167	"	1.67		65.6	38-132				
Dibenzo(a,h)anthracene	1.14	0.167	"	1.67		68.5	14-153				
Dibenzofuran	1.14	0.167	"	1.67		68.5	39-123				
Di-n-butyl phthalate	1.06	0.167	"	1.67		63.6	35-132				
1,2-Dichlorobenzene	1.06	0.167	"	1.67		63.5	22-121				
1,4-Dichlorobenzene	1.08	0.167	"	1.67		64.6	20-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit	Units							Level	Result

Batch BI30403 - EPA 3550B

LCS (BI30403-BS1)

Prepared: 09/10/2013 Analyzed: 09/11/2013

1,3-Dichlorobenzene	1.02	0.167	mg/kg wet	1.67		61.3	22-120				
3,3'-Dichlorobenzidine	1.13	0.333	"	1.67		68.0	16-177				
2,4-Dichlorophenol	1.13	0.167	"	1.67		67.8	30-134				
Diethyl phthalate	1.12	0.167	"	1.67		67.2	41-125				
2,4-Dimethylphenol	0.998	0.167	"	1.67		59.9	33-120				
Dimethyl phthalate	1.10	0.167	"	1.67		66.1	39-125				
4,6-Dinitro-2-methylphenol	1.32	0.167	"	1.67		79.3	10-165				
2-Nitroaniline	1.05	0.167	"	1.67		62.9	38-130				
2,4-Dinitrophenol	1.19	0.333	"	1.67		71.3	53-209				
2,6-Dinitrotoluene	1.16	0.167	"	1.67		69.4	42-130				
2,4-Dinitrotoluene	1.13	0.167	"	1.67		67.7	41-129				
Di-n-octyl phthalate	1.11	0.167	"	1.67		66.5	19-162				
Fluoranthene	1.20	0.167	"	1.67		72.3	35-136				
Fluorene	1.17	0.167	"	1.67		70.1	33-134				
Hexachlorobenzene	1.16	0.167	"	1.67		69.7	31-139				
Hexachlorobutadiene	1.33	0.167	"	1.67		79.5	19-137				
Hexachlorocyclopentadiene	0.733	0.167	"	1.67		44.0	10-145				
Hexachloroethane	1.01	0.167	"	1.67		60.8	12-125				
Indeno(1,2,3-cd)pyrene	1.22	0.167	"	1.67		73.1	11-155				
Isophorone	0.949	0.167	"	1.67		56.9	30-125				
2-Methylnaphthalene	1.11	0.167	"	1.67		66.6	30-125				
2-Methylphenol	0.988	0.167	"	1.67		59.3	30-128				
3- & 4-Methylphenols	0.939	0.167	"	1.67		56.3	30-120				
Naphthalene	1.06	0.167	"	1.67		63.5	28-121				
3-Nitroaniline	1.11	0.167	"	1.67		66.7	10-234				
4-Nitroaniline	1.42	0.167	"	1.67		85.4	10-208				
Nitrobenzene	0.989	0.167	"	1.67		59.3	28-118				
4-Nitrophenol	1.09	0.167	"	1.67		65.3	10-185				
2-Nitrophenol	1.09	0.167	"	1.67		65.5	23-129				
N-nitroso-di-n-propylamine	0.960	0.167	"	1.67		57.6	21-136				
N-Nitrosodimethylamine	0.706	0.167	"	1.67		42.4	10-131				
N-Nitrosodiphenylamine	1.25	0.167	"	1.67		75.1	36-163				
Pentachlorophenol	1.22	0.167	"	1.67		73.2	15-182				
Phenanthrene	1.11	0.167	"	1.67		66.3	37-132				
Phenol	1.01	0.167	"	1.67		60.8	28-124				
Pyrene	1.09	0.167	"	1.67		65.6	30-147				
Pyridine	0.747	0.167	"	1.67		44.8	10-113				
1,2,4-Trichlorobenzene	1.16	0.167	"	1.67		69.4	22-129				
2,4,5-Trichlorophenol	1.22	0.167	"	1.67		73.0	34-126				
2,4,6-Trichlorophenol	1.13	0.167	"	1.67		67.5	36-130				
Surrogate: 2,4,6-Tribromophenol	1.86		"	2.61		71.0	10-142				
Surrogate: 2-Fluorobiphenyl	1.04		"	1.67		62.1	10-111				
Surrogate: 2-Fluorophenol	1.33		"	2.49		53.7	10-109				
Surrogate: Nitrobenzene-d5	0.931		"	1.69		55.0	10-148				
Surrogate: Phenol-d5	1.42		"	2.51		56.5	10-124				
Surrogate: Terphenyl-d14	1.03		"	1.70		60.6	10-147				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI30403 - EPA 3550B</b>											
<b>LCS Dup (BI30403-BSD1)</b>											
Prepared: 09/10/2013 Analyzed: 09/11/2013											
Acenaphthene	1.14	0.167	mg/kg wet	1.67		68.7	35-127		1.23	30	
Acenaphthylene	1.11	0.167	"	1.67		66.6	37-121		0.633	30	
Aniline	0.814	0.167	"	1.67		48.9	10-149		14.6	30	
Anthracene	1.13	0.167	"	1.67		67.9	38-131		2.38	30	
Benzo(a)anthracene	1.20	0.167	"	1.67		72.1	37-137		0.780	30	
Benzo(a)pyrene	1.41	0.167	"	1.67		84.8	33-162		3.36	30	
Benzo(b)fluoranthene	1.54	0.167	"	1.67		92.2	26-160		44.3	30	Non-dir.
Benzo(g,h,i)perylene	1.10	0.167	"	1.67		65.7	10-154		5.10	30	
Benzyl alcohol	1.02	0.167	"	1.67		60.9	33-124		1.89	30	
Benzo(k)fluoranthene	1.36	0.167	"	1.67		81.5	34-143		8.41	30	
Benzyl butyl phthalate	1.12	0.167	"	1.67		67.2	30-143		10.1	30	
4-Bromophenyl phenyl ether	1.19	0.167	"	1.67		71.6	35-135		2.51	30	
4-Chloro-3-methylphenol	1.05	0.167	"	1.67		63.1	34-133		0.316	30	
4-Chloroaniline	1.09	0.167	"	1.67		65.5	17-175		10.0	30	
Bis(2-chloroethoxy)methane	0.942	0.167	"	1.67		56.5	31-119		2.29	30	
Bis(2-chloroethyl)ether	1.00	0.167	"	1.67		60.2	18-124		6.41	30	
Bis(2-chloroisopropyl)ether	0.853	0.167	"	1.67		51.2	10-141		3.70	30	
Bis(2-ethylhexyl)phthalate	1.21	0.167	"	1.67		72.8	35-137		7.70	30	
2-Chloronaphthalene	1.08	0.167	"	1.67		65.1	34-117		1.59	30	
2-Chlorophenol	1.06	0.167	"	1.67		63.3	32-123		1.62	30	
4-Chlorophenyl phenyl ether	1.27	0.167	"	1.67		76.2	25-142		4.02	30	
Chrysene	1.12	0.167	"	1.67		67.0	38-132		2.02	30	
Dibenzo(a,h)anthracene	1.14	0.167	"	1.67		68.3	14-153		0.234	30	
Dibenzofuran	1.15	0.167	"	1.67		69.1	39-123		0.988	30	
Di-n-butyl phthalate	1.17	0.167	"	1.67		69.9	35-132		9.46	30	
1,2-Dichlorobenzene	1.08	0.167	"	1.67		65.0	22-121		2.30	30	
1,4-Dichlorobenzene	1.16	0.167	"	1.67		69.3	20-122		7.05	30	
1,3-Dichlorobenzene	1.00	0.167	"	1.67		60.3	22-120		1.68	30	
3,3'-Dichlorobenzidine	1.16	0.333	"	1.67		69.4	16-177		1.95	30	
2,4-Dichlorophenol	1.09	0.167	"	1.67		65.2	30-134		3.94	30	
Diethyl phthalate	1.20	0.167	"	1.67		72.1	41-125		6.95	30	
2,4-Dimethylphenol	1.01	0.167	"	1.67		60.7	33-120		1.29	30	
Dimethyl phthalate	1.12	0.167	"	1.67		66.9	39-125		1.23	30	
4,6-Dinitro-2-methylphenol	1.30	0.167	"	1.67		77.8	10-165		1.94	30	
2-Nitroaniline	1.07	0.167	"	1.67		64.2	38-130		2.11	30	
2,4-Dinitrophenol	1.28	0.333	"	1.67		76.8	53-209		7.48	30	
2,6-Dinitrotoluene	1.20	0.167	"	1.67		72.1	42-130		3.87	30	
2,4-Dinitrotoluene	1.22	0.167	"	1.67		73.3	41-129		7.97	30	
Di-n-octyl phthalate	1.31	0.167	"	1.67		78.4	19-162		16.3	30	
Fluoranthene	1.34	0.167	"	1.67		80.6	35-136		10.9	30	
Fluorene	1.20	0.167	"	1.67		72.1	33-134		2.84	30	
Hexachlorobenzene	1.14	0.167	"	1.67		68.6	31-139		1.62	30	
Hexachlorobutadiene	1.35	0.167	"	1.67		81.0	19-137		1.82	30	
Hexachlorocyclopentadiene	0.656	0.167	"	1.67		39.4	10-145		11.1	30	
Hexachloroethane	1.03	0.167	"	1.67		61.9	12-125		1.86	30	
Indeno(1,2,3-cd)pyrene	1.21	0.167	"	1.67		72.4	11-155		0.963	30	
Isophorone	0.996	0.167	"	1.67		59.8	30-125		4.90	30	
2-Methylnaphthalene	1.15	0.167	"	1.67		68.7	30-125		3.13	30	
2-Methylphenol	1.01	0.167	"	1.67		60.4	30-128		1.84	30	
3- & 4-Methylphenols	0.960	0.167	"	1.67		57.6	30-120		2.21	30	
Naphthalene	1.08	0.167	"	1.67		64.9	28-121		2.09	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit								Level	Result

Batch BI30403 - EPA 3550B

LCS Dup (BI30403-BSD1)

Prepared: 09/10/2013 Analyzed: 09/11/2013

3-Nitroaniline	1.20	0.167	mg/kg wet	1.67		72.1	10-234			7.84	30
4-Nitroaniline	1.52	0.167	"	1.67		91.4	10-208			6.79	30
Nitrobenzene	1.00	0.167	"	1.67		60.0	28-118			1.07	30
4-Nitrophenol	1.10	0.167	"	1.67		65.7	10-185			0.672	30
2-Nitrophenol	1.12	0.167	"	1.67		67.1	23-129			2.38	30
N-nitroso-di-n-propylamine	0.985	0.167	"	1.67		59.1	21-136			2.57	30
N-Nitrosodimethylamine	0.696	0.167	"	1.67		41.8	10-131			1.47	30
N-Nitrosodiphenylamine	1.24	0.167	"	1.67		74.6	36-163			0.721	30
Pentachlorophenol	1.30	0.167	"	1.67		78.2	15-182			6.50	30
Phenanthrene	1.13	0.167	"	1.67		67.9	37-132			2.38	30
Phenol	1.05	0.167	"	1.67		62.9	28-124			3.46	30
Pyrene	1.20	0.167	"	1.67		71.9	30-147			9.05	30
Pyridine	0.737	0.167	"	1.67		44.2	10-113			1.35	30
1,2,4-Trichlorobenzene	1.18	0.167	"	1.67		71.0	22-129			2.37	30
2,4,5-Trichlorophenol	1.19	0.167	"	1.67		71.2	34-126			2.47	30
2,4,6-Trichlorophenol	1.11	0.167	"	1.67		66.8	36-130			1.04	30
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.76</i>		<i>"</i>	<i>2.61</i>		<i>67.2</i>	<i>10-142</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.994</i>		<i>"</i>	<i>1.67</i>		<i>59.7</i>	<i>10-111</i>				
<i>Surrogate: 2-Fluorophenol</i>	<i>1.36</i>		<i>"</i>	<i>2.49</i>		<i>54.6</i>	<i>10-109</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.925</i>		<i>"</i>	<i>1.69</i>		<i>54.6</i>	<i>10-148</i>				
<i>Surrogate: Phenol-d5</i>	<i>1.41</i>		<i>"</i>	<i>2.51</i>		<i>56.3</i>	<i>10-124</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1.09</i>		<i>"</i>	<i>1.70</i>		<i>63.9</i>	<i>10-147</i>				



**Metals by ICP - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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**Batch BI30344 - EPA 3050B**

**Blank (BI30344-BLK1)**

Prepared & Analyzed: 09/09/2013

Aluminum	ND	1.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.300	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								

**Reference (BI30344-SRM1)**

Prepared & Analyzed: 09/09/2013

Aluminum	7350	1.00	mg/kg wet	9060		81.1	42.6-157				
Antimony	88.8	0.500	"	106		83.8	23.1-256				
Arsenic	179	1.00	"	182		98.6	70.9-130				
Barium	141	1.00	"	143		98.6	72.7-128				
Beryllium	93.8	0.100	"	98.3		95.4	74.6-125				
Cadmium	56.1	0.300	"	60.4		92.9	73.2-129				
Calcium	5610	5.00	"	6040		92.8	73.7-126				
Chromium	117	0.500	"	125		93.7	69.8-130				
Cobalt	161	0.500	"	163		98.6	74.2-125				
Copper	82.0	0.500	"	80.1		102	73.7-130				
Iron	11900	2.00	"	12900		92.1	32.3-168				
Lead	128	0.300	"	136		94.1	73.1-127				
Magnesium	2350	5.00	"	2640		89.2	64-136				
Manganese	274	0.500	"	279		98.3	74.2-126				
Nickel	136	0.500	"	128		106	73.1-130				
Potassium	2550	5.00	"	2820		90.5	62.1-138				
Selenium	87.4	1.00	"	85.9		102	63.9-136				
Silver	56.1	0.500	"	61.3		91.4	66.9-133				
Sodium	645	10.0	"	439		147	48.3-152				
Thallium	136	1.00	"	144		94.5	68.3-132				
Vanadium	98.3	1.00	"	104		94.6	66-134				
Zinc	189	1.00	"	204		92.8	69.6-133				



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI30350 - EPA 7473 soil</b>											
<b>Blank (BI30350-BLK1)</b>										Prepared & Analyzed: 09/09/2013	
Mercury	ND	0.000800	mg/kg wet								
<b>Reference (BI30350-SRM1)</b>										Prepared & Analyzed: 09/09/2013	
Mercury	3.44		mg/kg	3.73		92.1	68.6-131				



**Wet Chemistry Parameters - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BI30481 - Analysis Preparation Soil</b>											
<b>Blank (BI30481-BLK1)</b>											
Cyanide, total	ND	0.500	mg/kg wet								
Prepared: 09/11/2013 Analyzed: 09/12/2013											
<b>Reference (BI30481-SRM1)</b>											
Cyanide, total	92.5		ug/mL	59.3		156	38.4-202				
Prepared: 09/11/2013 Analyzed: 09/12/2013											



## Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13I0283-02	CP-SB-1 (0-2')	8 oz. WM Clear Glass Cool to 4° C

### Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

Revision Description: This report has been revised to remove the results for sample 13I0286 (CP-SB-5(0-2')), as requested by the client upon sample receipt.

# Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 131D283

<b>YOUR Information</b> Company: <u>CHAREN</u> Address: _____ Phone No. _____ Contact Person: <u>ERIC ORLOWSKI</u> E-Mail Address: _____		<b>Report To:</b> Company: <u>CHAREN</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		<b>Invoice To:</b> Company: <u>CHAREN</u> Address: _____ Phone No. _____ Attention: <u>ACCTS PAYABLE</u> E-Mail Address: _____		<b>YOUR Project ID</b> 91337.00 530 W. 28th St Purchase Order No. P15126		<b>Turn-Around Time</b> RUSH - Same Day <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input type="checkbox"/> RUSH - Four Day <input type="checkbox"/> Standard(5-7 Days) <input checked="" type="checkbox"/>		<b>Report Type/Deliverables</b> Summary Report <input checked="" type="checkbox"/> Summary w/ QA Summary <input type="checkbox"/> CT RCP Package <input type="checkbox"/> NY ASP A Package <input type="checkbox"/> NY ASP B Package <input type="checkbox"/> Electronic Deliverables: _____ EDD (Specify Type) _____ Excel <input type="checkbox"/>			
<b>Matrix Codes</b> S - soil Other - specify (oil, etc) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		<b>Volatiles</b> 8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list		<b>Semi-Vols. Pseu-PCB/Herb</b> 8270 or 625 STARS list BN Only PAH list TAGM list CT RCP list TCL list NJDEP list App. IX Chloridane SPLP or TCLP 608 PCB		<b>Metals</b> RCRA8 PP13 list TAL CT 15 list TAGM list NJDEP list Total Dissolved SPLP or TCLP Indus. Metals LIST Below		<b>Misc. Org.</b> TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium		<b>Common Miscellaneous Parameters</b> Nitrate Nitrite TKN Tox. Nitrogen Ammonia-N Chloride Phosphate TOX BTU/lb. Aquatic Tox. TOC pH Silica		<b>Special Instructions</b> Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>	
<p><b>Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.</b></p>													
Samples Collected/Authorized By (Signature) <u>Eric Orlowski</u> Name (printed)		<b>Choose Analyses Needed from the Menu Above and Enter Below</b> 8260, 8270, TAL Metals + Cyanide ↓											
<b>Sample Identification</b> CP-SB-5 (0-2) CP-SB-1 (0-2) <del>CP-SB-1 (0-2)</del>		<b>Date Sampled</b> 9/5/13 1530 9/6/13 755		<b>Sample Matrix</b> S S		<b>Container Description(s)</b> 4 x vba, 1 x 8 oz ↓							
<b>Comments</b>		Preservation Check those Applicable 4°C <input checked="" type="checkbox"/> Frozen HCl ZnAc MeOH Ascorbic Acid HNO <sub>3</sub> Other NaOH		Samples Relinquished By <u>E. Orlowski</u> Date/Time 9/6/13 1205		Samples Received By <u>[Signature]</u> Date/Time 9/6/13 1215		Temperature on Receipt 3.0 °C					

# **APPENDIX F**

Laboratory Data Deliverables for Groundwater Analytical Data

# **APPENDIX G**

Laboratory Data Deliverables for Soil Vapor Analytical Data



October 04, 2013

Service Request No: R1306891

Mr. Eric Orlowski  
Chazen Environmental Services, Incorporated  
21 Fox Street  
Poughkeepsie, NY 12601

**Laboratory Results for: Centaur - 530 West 28th St./91337.00/Task 0300**

Dear Mr. Orlowski:

Enclosed are the results of the sample(s) submitted to our laboratory on September 19, 2013. For your reference, these analyses have been assigned our service request number **R1306891**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7469. You may also contact me via email at [Mike.Perry@alsglobal.com](mailto:Mike.Perry@alsglobal.com).

Respectfully submitted,

**ALS Group USA Corp. dba ALS Environmental**

Michael Perry  
Laboratory Manager

Page 1 of 26

## CASE NARRATIVE

**Client:** Chazen Environmental Services, Inc.  
**Project:** Centaur 530 West 28<sup>th</sup> St.  
**Sample Matrix:** Air

**Service Request No.:** R1306891  
**Project No.:** 91337.00  
**Date Received:** 9/19/13

All analyses were performed consistent with the quality assurance program of ALS environmental. This report contains analytical results for samples designated for Tier II deliverables. When appropriate to the method, method blank and LCS results have been reported with each analytical test.

### **Sample Receipt**

Air samples were collected on 9/18/13 and received in good condition as noted on the cooler receipt and preservation check form. The samples were stored in the laboratory at room temperature prior to analysis. See the case narrative for a cross-reference between Client ID and ALS Job #.

### **TO - 15 Air Analysis**

Six air samples were analyzed for the ALS standard list of Volatile Organics by EPA method TO-15.

All samples were initially analyzed at appropriate dilutions based on prescreening of the samples and/or historical data to bring the target analytes within the calibration range of the method. Samples SV-3 and SV-4 were re-analyzed at larger dilutions to bring target analytes within the calibration range of the method. Both dilutions were reported with analytes over the calibration range flagged with an "E" and the diluted analytes flagged with a "D".

All initial and continuing calibrations were compliant.

All surrogate standard recoveries were within QC limits.

The LCS recoveries were all within QC limits of 70 – 130 %.

## CASE NARRATIVE

This report contains analytical results for the following samples:  
Service Request Number: R1306891

<u>Lab ID</u>	<u>Client ID</u>
R1306891-001	SV-1
R1306891-002	SV-2
R1306891-003	SV-3
R1306891-004	SV-4
R1306891-005	IA-1
R1306891-006	OA-1

00003



REPORT QUALIFIERS AND DEFINITIONS

- U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).
B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E Organics- Concentration has exceeded the calibration range for that specific analysis.
D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
\* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
# Spike was diluted out.
+ Correlation coefficient for MSA is <0.995.
N Inorganics- Matrix spike recovery was outside laboratory limits.
N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S Concentration has been determined using Method of Standard Additions (MSA).
W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P Concentration >40% (25% for CLP) difference between the two GC columns.
C Confirmed by GC/MS
Q DoD reports: indicates a pesticide/Aroclor is not confirmed (>=100% Difference between two GC columns).
X See Case Narrative for discussion.
MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.
ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Table with 3 columns: State/Agency, ID #, and Certification details. Rows include Maine, Nebraska, New Hampshire, Delaware, Nevada, North Carolina, DoD ELAP, New Jersey, Pennsylvania, Florida, New York, Rhode Island, and Illinois, Virginia.

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads



ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: SV-1  
 Lab Code: R1306891-001

Service Request: R1306891  
 Date Collected: 9/18/13 0452  
 Date Received: 9/19/13

Analytical Method: TO-15

Date Analyzed: 9/25/13 1232  
 Canister Dilution Factor: 1.26

Initial Pressure (psig): -0.25      Final Pressure (psig): 3.56

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Data Qualifier
74-87-3	Chloromethane	500	1.1	1.1	U
75-01-4	Vinyl Chloride	500	0.15	0.15	U
74-83-9	Bromomethane	500	1.1	1.1	U
75-00-3	Chloroethane	500	1.5	1.5	U
67-64-1	Acetone	500	13	13	U
75-69-4	<b>Trichlorofluoromethane (CFC 11)</b>	500	<b>3.8</b>	1.6	
75-35-4	1,1-Dichloroethene	500	1.1	1.1	U
75-09-2	Methylene Chloride	500	0.96	0.96	U
76-13-1	<b>1,1,2-Trichloro-1,2,2-trifluoroethane</b>	500	<b>0.65</b>	0.43	
75-15-0	<b>Carbon Disulfide</b>	500	<b>1.4</b>	0.86	
156-60-5	trans-1,2-Dichloroethene	500	1.1	1.1	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	500	1.1	1.1	U
1634-04-4	Methyl tert-Butyl Ether	500	2.0	2.0	U
108-05-4	Vinyl Acetate	500	13	13	U
78-93-3	2-Butanone (MEK)	500	1.6	1.6	U
156-59-2	cis-1,2-Dichloroethene	500	1.1	1.1	U
67-66-3	Chloroform	500	1.4	1.4	U
107-06-2	1,2-Dichloroethane	500	1.1	1.1	U
71-55-6	<b>1,1,1-Trichloroethane (TCA)</b>	500	<b>27</b>	1.5	
71-43-2	<b>Benzene</b>	500	<b>1.3</b>	0.88	
56-23-5	<b>Carbon Tetrachloride</b>	500	<b>0.67</b>	0.18	
78-87-5	1,2-Dichloropropane	500	1.3	1.3	U
75-27-4	Bromodichloromethane	500	0.38	0.38	U
79-01-6	<b>Trichloroethene (TCE)</b>	500	<b>1.1</b>	0.15	
10061-01-5	cis-1,3-Dichloropropene	500	2.5	2.5	U
108-10-1	4-Methyl-2-pentanone	500	2.3	2.3	U
10061-02-6	trans-1,3-Dichloropropene	500	1.3	1.3	U
79-00-5	1,1,2-Trichloroethane	500	1.5	1.5	U
108-88-3	<b>Toluene</b>	500	<b>6.4</b>	1.0	
591-78-6	2-Hexanone	500	1.1	1.1	U
124-48-1	Dibromochloromethane	500	0.48	0.48	U
106-93-4	1,2-Dibromoethane	500	0.43	0.43	U
127-18-4	<b>Tetrachloroethene (PCE)</b>	500	<b>7.9</b>	0.20	
108-90-7	Chlorobenzene	500	1.3	1.3	U
100-41-4	Ethylbenzene	500	2.4	2.4	U
179601-23-1	m,p-Xylenes	500	4.8	4.8	U
75-25-2	Bromoform	500	2.9	2.9	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: SV-1  
 Lab Code: R1306891-001

Service Request: R1306891  
 Date Collected: 9/18/13 0452  
 Date Received: 9/19/13

Analytical Method: TO-15

Date Analyzed: 9/25/13 1232  
 Canister Dilution Factor: 1.26

Initial Pressure (psig): -0.25      Final Pressure (psig): 3.56

CAS #	Analyte Name	Sample Amount mL	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Data Qualifier
100-42-5	Styrene	500	2.4	2.4	U
95-47-6	o-Xylene	500	2.4	2.4	U
79-34-5	1,1,2,2-Tetrachloroethane	500	0.38	0.38	U
541-73-1	1,3-Dichlorobenzene	500	3.3	3.3	U
106-46-7	1,4-Dichlorobenzene	500	3.3	3.3	U
95-50-1	1,2-Dichlorobenzene	500	3.3	3.3	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	111	70-130	9/25/13 1232	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

**Client:** Chazen Environmental Services, Incorporated  
**Project:** Centaur - 530 West 28th St./91337.00/Task 0300  
**Sample Matrix:** Air  
**Sample Name:** SV-2  
**Lab Code:** R1306891-002

**Service Request:** R1306891  
**Date Collected:** 9/18/13 0452  
**Date Received:** 9/19/13

**Analytical Method:** TO-15

**Date Analyzed:** 9/25/13 1319  
**Canister Dilution Factor:** 1.20

Initial Pressure (psig): 0.50      Final Pressure (psig): 3.59

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Data Qualifier
74-87-3	Chloromethane	500	1.1	1.1	U
75-01-4	Vinyl Chloride	500	0.14	0.14	U
74-83-9	Bromomethane	500	1.0	1.0	U
75-00-3	Chloroethane	500	1.4	1.4	U
67-64-1	Acetone	500	12	12	U
<b>75-69-4</b>	<b>Trichlorofluoromethane (CFC 11)</b>	500	<b>1.9</b>	1.5	
75-35-4	1,1-Dichloroethene	500	1.1	1.1	U
75-09-2	Methylene Chloride	500	0.91	0.91	U
<b>76-13-1</b>	<b>1,1,2-Trichloro-1,2,2-trifluoroethane</b>	500	<b>0.56</b>	0.41	
<b>75-15-0</b>	<b>Carbon Disulfide</b>	500	<b>1.0</b>	0.82	
156-60-5	trans-1,2-Dichloroethene	500	1.1	1.1	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	500	1.1	1.1	U
1634-04-4	Methyl tert-Butyl Ether	500	1.9	1.9	U
108-05-4	Vinyl Acetate	500	12	12	U
78-93-3	2-Butanone (MEK)	500	1.6	1.6	U
156-59-2	cis-1,2-Dichloroethene	500	1.1	1.1	U
<b>67-66-3</b>	<b>Chloroform</b>	500	<b>44</b>	1.3	
107-06-2	1,2-Dichloroethane	500	1.1	1.1	U
<b>71-55-6</b>	<b>1,1,1-Trichloroethane (TCA)</b>	500	<b>4.0</b>	1.4	
<b>71-43-2</b>	<b>Benzene</b>	500	<b>1.0</b>	0.84	
<b>56-23-5</b>	<b>Carbon Tetrachloride</b>	500	<b>0.59</b>	0.17	
78-87-5	1,2-Dichloropropane	500	1.2	1.2	U
75-27-4	Bromodichloromethane	500	1.7	0.36	
79-01-6	Trichloroethene (TCE)	500	3.6	0.14	
10061-01-5	cis-1,3-Dichloropropene	500	2.4	2.4	U
108-10-1	4-Methyl-2-pentanone	500	2.2	2.2	U
10061-02-6	trans-1,3-Dichloropropene	500	1.2	1.2	U
79-00-5	1,1,2-Trichloroethane	500	1.4	1.4	U
<b>108-88-3</b>	<b>Toluene</b>	500	<b>6.1</b>	0.98	
591-78-6	2-Hexanone	500	1.1	1.1	U
124-48-1	Dibromochloromethane	500	0.46	0.46	U
106-93-4	1,2-Dibromoethane	500	0.41	0.41	U
<b>127-18-4</b>	<b>Tetrachloroethene (PCE)</b>	500	<b>7.4</b>	0.19	
108-90-7	Chlorobenzene	500	1.2	1.2	U
100-41-4	Ethylbenzene	500	2.3	2.3	U
<b>179601-23-1</b>	<b>m,p-Xylenes</b>	500	<b>4.6</b>	4.6	
75-25-2	Bromoform	500	2.7	2.7	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: SV-2  
 Lab Code: R1306891-002

Service Request: R1306891  
 Date Collected: 9/18/13 0452  
 Date Received: 9/19/13

Analytical Method: TO-15

Date Analyzed: 9/25/13 1319  
 Canister Dilution Factor: 1.20

Initial Pressure (psig): 0.50      Final Pressure (psig): 3.59

CAS #	Analyte Name	Sample Amount mL	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Data Qualifier
100-42-5	Styrene	500	2.3	2.3	U
95-47-6	o-Xylene	500	2.3	2.3	U
79-34-5	1,1,2,2-Tetrachloroethane	500	0.36	0.36	U
541-73-1	1,3-Dichlorobenzene	500	3.2	3.2	U
106-46-7	1,4-Dichlorobenzene	500	3.2	3.2	U
95-50-1	1,2-Dichlorobenzene	500	3.2	3.2	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	109	70-130	9/25/13 1319	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: SV-3  
 Lab Code: R1306891-003

Service Request: R1306891  
 Date Collected: 9/18/13 0453  
 Date Received: 9/19/13

Analytical Method: TO-15

Date Analyzed: 9/25/13 1405  
 Canister Dilution Factor: 1.20

Initial Pressure (psig): 0.50      Final Pressure (psig): 3.52

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Data Qualifier
74-87-3	Chloromethane	500	1.1	1.1	U
75-01-4	Vinyl Chloride	500	0.14	0.14	U
74-83-9	Bromomethane	500	1.0	1.0	U
75-00-3	Chloroethane	500	1.4	1.4	U
67-64-1	Acetone	500	12	12	U
75-69-4	<b>Trichlorofluoromethane (CFC 11)</b>	500	<b>14</b>	1.5	
75-35-4	1,1-Dichloroethene	500	1.1	1.1	U
75-09-2	<b>Methylene Chloride</b>	500	<b>1.4</b>	0.91	
76-13-1	<b>1,1,2-Trichloro-1,2,2-trifluoroethane</b>	500	<b>0.63</b>	0.41	
75-15-0	<b>Carbon Disulfide</b>	500	<b>18</b>	0.82	
156-60-5	trans-1,2-Dichloroethene	500	1.1	1.1	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	500	1.1	1.1	U
1634-04-4	Methyl tert-Butyl Ether	500	1.9	1.9	U
108-05-4	Vinyl Acetate	500	12	12	U
78-93-3	2-Butanone (MEK)	500	1.6	1.6	U
156-59-2	cis-1,2-Dichloroethene	500	1.1	1.1	U
67-66-3	<b>Chloroform</b>	500	<b>330</b>	1.3	E
107-06-2	1,2-Dichloroethane	500	1.1	1.1	U
71-55-6	1,1,1-Trichloroethane (TCA)	500	1.4	1.4	U
71-43-2	<b>Benzene</b>	500	<b>1.7</b>	0.84	
56-23-5	<b>Carbon Tetrachloride</b>	500	<b>0.73</b>	0.17	
78-87-5	1,2-Dichloropropane	500	1.2	1.2	U
75-27-4	<b>Bromodichloromethane</b>	500	<b>9.1</b>	0.36	
79-01-6	<b>Trichloroethene (TCE)</b>	500	<b>17</b>	0.14	
10061-01-5	cis-1,3-Dichloropropene	500	2.4	2.4	U
108-10-1	4-Methyl-2-pentanone	500	2.2	2.2	U
10061-02-6	trans-1,3-Dichloropropene	500	1.2	1.2	U
79-00-5	1,1,2-Trichloroethane	500	1.4	1.4	U
108-88-3	<b>Toluene</b>	500	<b>11</b>	0.98	
591-78-6	2-Hexanone	500	1.1	1.1	U
124-48-1	Dibromochloromethane	500	0.46	0.46	U
106-93-4	1,2-Dibromoethane	500	0.41	0.41	U
127-18-4	<b>Tetrachloroethene (PCE)</b>	500	<b>1.6</b>	0.19	
108-90-7	Chlorobenzene	500	1.2	1.2	U
100-41-4	Ethylbenzene	500	2.3	2.3	U
179601-23-1	<b>m,p-Xylenes</b>	500	<b>5.9</b>	4.6	
75-25-2	<b>Bromoform</b>	500	<b>2.7</b>	2.7	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: SV-3  
 Lab Code: R1306891-003

Service Request: R1306891  
 Date Collected: 9/18/13 0453  
 Date Received: 9/19/13

Analytical Method: TO-15

Date Analyzed: 9/25/13 1405  
 Canister Dilution Factor: 1.20

Initial Pressure (psig): 0.50      Final Pressure (psig): 3.52

CAS #	Analyte Name	Sample Amount mL	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Data Qualifier
100-42-5	Styrene	500	2.3	2.3	U
95-47-6	o-Xylene	500	2.3	2.3	U
79-34-5	1,1,2,2-Tetrachloroethane	500	0.36	0.36	U
541-73-1	1,3-Dichlorobenzene	500	3.2	3.2	U
106-46-7	1,4-Dichlorobenzene	500	3.2	3.2	U
95-50-1	1,2-Dichlorobenzene	500	3.2	3.2	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	110	70-130	9/25/13 1405	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

**Client:** Chazen Environmental Services, Incorporated  
**Project:** Centaur - 530 West 28th St./91337.00/Task 0300  
**Sample Matrix:** Air  
**Sample Name:** SV-3  
**Lab Code:** R1306891-003  
**Run Type:** Dilution

**Service Request:** R1306891  
**Date Collected:** 9/18/13 0453  
**Date Received:** 9/19/13

**Analytical Method:** TO-15

**Date Analyzed:** 9/25/13 2100  
**Canister Dilution Factor:** 1.20

Initial Pressure (psig): 0.50      Final Pressure (psig): 3.52

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Data Qualifier
74-87-3	Chloromethane	100	5.4	5.4	U
75-01-4	Vinyl Chloride	100	0.72	0.72	U
74-83-9	Bromomethane	100	5.2	5.2	U
75-00-3	Chloroethane	100	7.0	7.0	U
67-64-1	Acetone	100	60	60	U
<b>75-69-4</b>	<b>Trichlorofluoromethane (CFC 11)</b>	100	<b>15</b>	7.4	D
75-35-4	1,1-Dichloroethene	100	5.3	5.3	U
75-09-2	Methylene Chloride	100	4.6	4.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	100	2.0	2.0	U
<b>75-15-0</b>	<b>Carbon Disulfide</b>	100	<b>18</b>	4.1	D
156-60-5	trans-1,2-Dichloroethene	100	5.3	5.3	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	100	5.4	5.4	U
1634-04-4	Methyl tert-Butyl Ether	100	9.5	9.5	U
108-05-4	Vinyl Acetate	100	60	60	U
78-93-3	2-Butanone (MEK)	100	7.8	7.8	U
156-59-2	cis-1,2-Dichloroethene	100	5.3	5.3	U
<b>67-66-3</b>	<b>Chloroform</b>	100	<b>290</b>	6.5	D
107-06-2	1,2-Dichloroethane	100	5.4	5.4	U
71-55-6	1,1,1-Trichloroethane (TCA)	100	7.2	7.2	U
71-43-2	Benzene	100	4.2	4.2	U
56-23-5	Carbon Tetrachloride	100	0.84	0.84	U
78-87-5	1,2-Dichloropropane	100	6.1	6.1	U
<b>75-27-4</b>	<b>Bromodichloromethane</b>	100	<b>9.2</b>	1.8	D
<b>79-01-6</b>	<b>Trichloroethene (TCE)</b>	100	<b>17</b>	0.72	D
10061-01-5	cis-1,3-Dichloropropene	100	12	12	U
108-10-1	4-Methyl-2-pentanone	100	11	11	U
10061-02-6	trans-1,3-Dichloropropene	100	6.0	6.0	U
79-00-5	1,1,2-Trichloroethane	100	7.2	7.2	U
<b>108-88-3</b>	<b>Toluene</b>	100	<b>9.4</b>	4.9	D
591-78-6	2-Hexanone	100	5.4	5.4	U
124-48-1	Dibromochloromethane	100	2.3	2.3	U
106-93-4	1,2-Dibromoethane	100	2.0	2.0	U
<b>127-18-4</b>	<b>Tetrachloroethene (PCE)</b>	100	<b>1.4</b>	0.96	D
108-90-7	Chlorobenzene	100	6.1	6.1	U
100-41-4	Ethylbenzene	100	11	11	U
179601-23-1	m,p-Xylenes	100	23	23	U
75-25-2	Bromoform	100	14	14	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: SV-3  
 Lab Code: R1306891-003  
 Run Type: Dilution  
 Analytical Method: TO-15

Service Request: R1306891  
 Date Collected: 9/18/13 0453  
 Date Received: 9/19/13

Date Analyzed: 9/25/13 2100  
 Canister Dilution Factor: 1.20

Initial Pressure (psig): 0.50      Final Pressure (psig): 3.52

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Data Qualifier
100-42-5	Styrene	100	11	11	U
95-47-6	o-Xylene	100	11	11	U
79-34-5	1,1,2,2-Tetrachloroethane	100	1.8	1.8	U
541-73-1	1,3-Dichlorobenzene	100	16	16	U
106-46-7	1,4-Dichlorobenzene	100	16	16	U
95-50-1	1,2-Dichlorobenzene	100	16	16	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	108	70-130	9/25/13 2100	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

**Client:** Chazen Environmental Services, Incorporated  
**Project:** Centaur - 530 West 28th St./91337.00/Task 0300  
**Sample Matrix:** Air  
**Sample Name:** SV-4  
**Lab Code:** R1306891-004

**Service Request:** R1306891  
**Date Collected:** 9/18/13 0453  
**Date Received:** 9/19/13

**Analytical Method:** TO-15

**Date Analyzed:** 9/25/13 1454  
**Canister Dilution Factor:** 1.20

Initial Pressure (psig): 0.54      Final Pressure (psig): 3.53

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Data Qualifier
74-87-3	Chloromethane	500	1.1	1.1	U
75-01-4	Vinyl Chloride	500	0.14	0.14	U
74-83-9	Bromomethane	500	1.0	1.0	U
75-00-3	Chloroethane	500	1.4	1.4	U
67-64-1	Acetone	500	15	12	
75-69-4	Trichlorofluoromethane (CFC 11)	500	12	1.5	
75-35-4	1,1-Dichloroethene	500	1.1	1.1	U
75-09-2	Methylene Chloride	500	0.91	0.91	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	500	0.66	0.41	
75-15-0	Carbon Disulfide	500	2.8	0.82	
156-60-5	trans-1,2-Dichloroethene	500	1.1	1.1	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	500	1.1	1.1	U
1634-04-4	Methyl tert-Butyl Ether	500	1.9	1.9	U
108-05-4	Vinyl Acetate	500	12	12	U
78-93-3	2-Butanone (MEK)	500	2.4	1.6	
156-59-2	cis-1,2-Dichloroethene	500	1.1	1.1	U
67-66-3	Chloroform	500	14	1.3	
107-06-2	1,2-Dichloroethane	500	1.1	1.1	U
71-55-6	1,1,1-Trichloroethane (TCA)	500	1.4	1.4	U
71-43-2	Benzene	500	3.6	0.84	
56-23-5	Carbon Tetrachloride	500	0.39	0.17	
78-87-5	1,2-Dichloropropane	500	1.2	1.2	U
75-27-4	Bromodichloromethane	500	0.45	0.36	
79-01-6	Trichloroethene (TCE)	500	7.6	0.14	
10061-01-5	cis-1,3-Dichloropropene	500	2.4	2.4	U
108-10-1	4-Methyl-2-pentanone	500	2.2	2.2	U
10061-02-6	trans-1,3-Dichloropropene	500	1.2	1.2	U
79-00-5	1,1,2-Trichloroethane	500	1.4	1.4	U
108-88-3	Toluene	500	16	0.98	
591-78-6	2-Hexanone	500	1.1	1.1	U
124-48-1	Dibromochloromethane	500	0.46	0.46	U
106-93-4	1,2-Dibromoethane	500	0.41	0.41	U
127-18-4	Tetrachloroethene (PCE)	500	0.57	0.19	
108-90-7	Chlorobenzene	500	1.2	1.2	U
100-41-4	Ethylbenzene	500	2.8	2.3	
179601-23-1	m,p-Xylenes	500	9.1	4.6	
75-25-2	Bromoform	500	2.7	2.7	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: SV-4  
 Lab Code: R1306891-004

Service Request: R1306891  
 Date Collected: 9/18/13 0453  
 Date Received: 9/19/13

Analytical Method: TO-15

Date Analyzed: 9/25/13 1454  
 Canister Dilution Factor: 1.20

Initial Pressure (psig): 0.54      Final Pressure (psig): 3.53

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Data Qualifier
100-42-5	Styrene	500	2.3	2.3	U
95-47-6	o-Xylene	500	3.3	2.3	
79-34-5	1,1,2,2-Tetrachloroethane	500	0.36	0.36	U
541-73-1	1,3-Dichlorobenzene	500	3.2	3.2	U
106-46-7	1,4-Dichlorobenzene	500	3.2	3.2	U
95-50-1	1,2-Dichlorobenzene	500	3.2	3.2	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	111	70-130	9/25/13 1454	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: SV-4  
 Lab Code: R1306891-004  
 Run Type: Reanalysis

Service Request: R1306891  
 Date Collected: 9/18/13 0453  
 Date Received: 9/19/13

Analytical Method: TO-15

Date Analyzed: 9/25/13 2143  
 Canister Dilution Factor: 1.20

Initial Pressure (psig): 0.54 Final Pressure (psig): 3.53

CAS #	Analyte Name	Sample Amount mL	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Data Qualifier
74-87-3	Chloromethane	200	2.7	2.7	U
75-01-4	Vinyl Chloride	200	0.36	0.36	U
74-83-9	Bromomethane	200	2.6	2.6	U
75-00-3	Chloroethane	200	3.5	3.5	U
67-64-1	Acetone	200	30	30	U
<b>75-69-4</b>	<b>Trichlorofluoromethane (CFC 11)</b>	200	<b>12</b>	3.7	
75-35-4	1,1-Dichloroethene	200	2.6	2.6	U
75-09-2	Methylene Chloride	200	2.3	2.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	200	1.0	1.0	U
<b>75-15-0</b>	<b>Carbon Disulfide</b>	200	<b>2.8</b>	2.0	
156-60-5	trans-1,2-Dichloroethene	200	2.6	2.6	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	200	2.7	2.7	U
1634-04-4	Methyl tert-Butyl Ether	200	4.7	4.7	U
108-05-4	Vinyl Acetate	200	30	30	U
78-93-3	2-Butanone (MEK)	200	3.9	3.9	U
156-59-2	cis-1,2-Dichloroethene	200	2.6	2.6	U
<b>67-66-3</b>	<b>Chloroform</b>	200	<b>14</b>	3.2	
107-06-2	1,2-Dichloroethane	200	2.7	2.7	U
71-55-6	1,1,1-Trichloroethane (TCA)	200	3.6	3.6	U
<b>71-43-2</b>	<b>Benzene</b>	200	<b>3.5</b>	2.1	
56-23-5	Carbon Tetrachloride	200	0.42	0.42	U
78-87-5	1,2-Dichloropropane	200	3.1	3.1	U
75-27-4	Bromodichloromethane	200	0.90	0.90	U
<b>79-01-6</b>	<b>Trichloroethene (TCE)</b>	200	<b>7.4</b>	0.36	
10061-01-5	cis-1,3-Dichloropropene	200	6.0	6.0	U
108-10-1	4-Methyl-2-pentanone	200	5.4	5.4	U
10061-02-6	trans-1,3-Dichloropropene	200	3.0	3.0	U
79-00-5	1,1,2-Trichloroethane	200	3.6	3.6	U
<b>108-88-3</b>	<b>Toluene</b>	200	<b>15</b>	2.5	
591-78-6	2-Hexanone	200	2.7	2.7	U
124-48-1	Dibromochloromethane	200	1.1	1.1	U
106-93-4	1,2-Dibromoethane	200	1.0	1.0	U
<b>127-18-4</b>	<b>Tetrachloroethene (PCE)</b>	200	<b>0.50</b>	0.48	
108-90-7	Chlorobenzene	200	3.1	3.1	U
100-41-4	Ethylbenzene	200	5.7	5.7	U
179601-23-1	m,p-Xylenes	200	11	11	U
75-25-2	Bromoform	200	6.8	6.8	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: SV-4  
 Lab Code: R1306891-004  
 Run Type: Reanalysis

Service Request: R1306891  
 Date Collected: 9/18/13 0453  
 Date Received: 9/19/13

Analytical Method: TO-15

Date Analyzed: 9/25/13 2143  
 Canister Dilution Factor: 1.20

Initial Pressure (psig): 0.54      Final Pressure (psig): 3.53

CAS #	Analyte Name	Sample Amount mL	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Data Qualifier
100-42-5	Styrene	200	5.6	5.6	U
95-47-6	o-Xylene	200	5.7	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	200	0.90	0.90	U
541-73-1	1,3-Dichlorobenzene	200	7.9	7.9	U
106-46-7	1,4-Dichlorobenzene	200	7.9	7.9	U
95-50-1	1,2-Dichlorobenzene	200	7.9	7.9	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	110	70-130	9/25/13 2143	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: IA-1  
 Lab Code: R1306891-005

Service Request: R1306891  
 Date Collected: 9/18/13 0455  
 Date Received: 9/19/13

Analytical Method: TO-15

Date Analyzed: 9/25/13 1545  
 Canister Dilution Factor: 1.20

Initial Pressure (psig): 0.49 Final Pressure (psig): 3.51

CAS #	Analyte Name	Sample Amount mL	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Data Qualifier
74-87-3	Chloromethane	1000	0.91	0.54	
75-01-4	Vinyl Chloride	1000	0.072	0.072	U
74-83-9	Bromomethane	1000	0.52	0.52	U
75-00-3	Chloroethane	1000	0.70	0.70	U
67-64-1	Acetone	1000	17	6.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1000	1.3	0.74	
75-35-4	1,1-Dichloroethene	1000	0.53	0.53	U
75-09-2	Methylene Chloride	1000	1.0	0.46	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1000	0.57	0.20	
75-15-0	Carbon Disulfide	1000	0.41	0.41	U
156-60-5	trans-1,2-Dichloroethene	1000	0.53	0.53	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	1000	0.54	0.54	U
1634-04-4	Methyl tert-Butyl Ether	1000	0.95	0.95	U
108-05-4	Vinyl Acetate	1000	6.0	6.0	U
78-93-3	2-Butanone (MEK)	1000	1.5	0.78	
156-59-2	cis-1,2-Dichloroethene	1000	0.53	0.53	U
67-66-3	Chloroform	1000	0.65	0.65	U
107-06-2	1,2-Dichloroethane	1000	0.54	0.54	U
71-55-6	1,1,1-Trichloroethane (TCA)	1000	0.72	0.72	U
71-43-2	Benzene	1000	1.8	0.42	
56-23-5	Carbon Tetrachloride	1000	0.45	0.084	
78-87-5	1,2-Dichloropropane	1000	0.61	0.61	U
75-27-4	Bromodichloromethane	1000	0.18	0.18	U
79-01-6	Trichloroethene (TCE)	1000	0.23	0.072	
10061-01-5	cis-1,3-Dichloropropene	1000	1.2	1.2	U
108-10-1	4-Methyl-2-pentanone	1000	1.1	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1000	0.60	0.60	U
79-00-5	1,1,2-Trichloroethane	1000	0.72	0.72	U
108-88-3	Toluene	1000	8.9	0.49	
591-78-6	2-Hexanone	1000	0.54	0.54	U
124-48-1	Dibromochloromethane	1000	0.23	0.23	U
106-93-4	1,2-Dibromoethane	1000	0.20	0.20	U
127-18-4	Tetrachloroethene (PCE)	1000	0.36	0.096	
108-90-7	Chlorobenzene	1000	0.61	0.61	U
100-41-4	Ethylbenzene	1000	1.6	1.1	
179601-23-1	m,p-Xylenes	1000	4.4	2.3	
75-25-2	Bromoform	1000	1.4	1.4	U

**ALS Group USA, Corp. dba ALS Environmental**

Analytical Report

**Client:** Chazen Environmental Services, Incorporated  
**Project:** Centaur - 530 West 28th St./91337.00/Task 0300  
**Sample Matrix:** Air  
**Sample Name:** IA-1  
**Lab Code:** R1306891-005

**Service Request:** R1306891  
**Date Collected:** 9/18/13 0455  
**Date Received:** 9/19/13

**Analytical Method:** TO-15

**Date Analyzed:** 9/25/13 1545  
**Canister Dilution Factor:** 1.20

Initial Pressure (psig): 0.49                      Final Pressure (psig): 3.51

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Data Qualifier
100-42-5	Styrene	1000	1.1	1.1	U
95-47-6	o-Xylene	1000	1.4	1.1	
79-34-5	1,1,2,2-Tetrachloroethane	1000	0.18	0.18	U
541-73-1	1,3-Dichlorobenzene	1000	1.6	1.6	U
106-46-7	1,4-Dichlorobenzene	1000	1.6	1.6	U
95-50-1	1,2-Dichlorobenzene	1000	1.6	1.6	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	109	70-130	9/25/13 1545	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: OA-1  
 Lab Code: R1306891-006

Service Request: R1306891  
 Date Collected: 9/18/13 0500  
 Date Received: 9/19/13

Analytical Method: TO-15

Date Analyzed: 9/25/13 1637  
 Canister Dilution Factor: 1.18

Initial Pressure (psig): 0.77 Final Pressure (psig): 3.56

CAS #	Analyte Name	Sample Amount mL	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Data Qualifier
74-87-3	Chloromethane	1000	0.86	0.53	
75-01-4	Vinyl Chloride	1000	0.071	0.071	U
74-83-9	Bromomethane	1000	0.51	0.51	U
75-00-3	Chloroethane	1000	0.68	0.68	U
67-64-1	Acetone	1000	8.5	5.9	
75-69-4	Trichlorofluoromethane (CFC 11)	1000	1.4	0.73	
75-35-4	1,1-Dichloroethene	1000	0.52	0.52	U
75-09-2	Methylene Chloride	1000	1.1	0.45	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1000	0.57	0.20	
75-15-0	Carbon Disulfide	1000	0.40	0.40	U
156-60-5	trans-1,2-Dichloroethene	1000	0.52	0.52	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	1000	0.53	0.53	U
1634-04-4	Methyl tert-Butyl Ether	1000	0.93	0.93	U
108-05-4	Vinyl Acetate	1000	5.9	5.9	U
78-93-3	2-Butanone (MEK)	1000	1.2	0.77	
156-59-2	cis-1,2-Dichloroethene	1000	0.52	0.52	U
67-66-3	Chloroform	1000	0.64	0.64	U
107-06-2	1,2-Dichloroethane	1000	0.53	0.53	U
71-55-6	1,1,1-Trichloroethane (TCA)	1000	0.71	0.71	U
71-43-2	Benzene	1000	1.2	0.41	
56-23-5	Carbon Tetrachloride	1000	0.49	0.083	
78-87-5	1,2-Dichloropropane	1000	0.60	0.60	U
75-27-4	Bromodichloromethane	1000	0.18	0.18	U
79-01-6	Trichloroethene (TCE)	1000	0.071	0.071	U
10061-01-5	cis-1,3-Dichloropropene	1000	1.2	1.2	U
108-10-1	4-Methyl-2-pentanone	1000	1.1	1.1	U
10061-02-6	trans-1,3-Dichloropropene	1000	0.59	0.59	U
79-00-5	1,1,2-Trichloroethane	1000	0.71	0.71	U
108-88-3	Toluene	1000	4.4	0.48	
591-78-6	2-Hexanone	1000	0.53	0.53	U
124-48-1	Dibromochloromethane	1000	0.22	0.22	U
106-93-4	1,2-Dibromoethane	1000	0.20	0.20	U
127-18-4	Tetrachloroethene (PCE)	1000	0.55	0.094	
108-90-7	Chlorobenzene	1000	0.60	0.60	U
100-41-4	Ethylbenzene	1000	1.1	1.1	U
179601-23-1	m,p-Xylenes	1000	2.9	2.3	
75-25-2	Bromoform	1000	1.3	1.3	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: OA-1  
 Lab Code: R1306891-006

Service Request: R1306891  
 Date Collected: 9/18/13 0500  
 Date Received: 9/19/13

Analytical Method: TO-15

Date Analyzed: 9/25/13 1637  
 Canister Dilution Factor: 1.18

Initial Pressure (psig): 0.77      Final Pressure (psig): 3.56

CAS #	Analyte Name	Sample Amount mL	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Data Qualifier
100-42-5	Styrene	1000	1.1	1.1	U
95-47-6	o-Xylene	1000	1.1	1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	0.18	0.18	U
541-73-1	1,3-Dichlorobenzene	1000	1.6	1.6	U
106-46-7	1,4-Dichlorobenzene	1000	1.6	1.6	U
95-50-1	1,2-Dichlorobenzene	1000	1.6	1.6	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	111	70-130	9/25/13 1637	



ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: Method Blank  
 Lab Code: RQ1312056-01

Service Request: R1306891  
 Date Collected: NA  
 Date Received: NA

Analytical Method: TO-15

Date Analyzed: 9/25/13 1012

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Data Qualifier
74-87-3	Chloromethane	1000	0.45	0.45	U
75-01-4	Vinyl Chloride	1000	0.060	0.060	U
74-83-9	Bromomethane	1000	0.43	0.43	U
75-00-3	Chloroethane	1000	0.58	0.58	U
67-64-1	Acetone	1000	5.0	5.0	U
75-69-4	Trichlorofluoromethane (CFC 11)	1000	0.62	0.62	U
75-35-4	1,1-Dichloroethene	1000	0.44	0.44	U
75-09-2	Methylene Chloride	1000	0.38	0.38	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1000	0.17	0.17	U
75-15-0	Carbon Disulfide	1000	0.34	0.34	U
156-60-5	trans-1,2-Dichloroethene	1000	0.44	0.44	U
75-34-3	1,1-Dichloroethane (1,1-DCA)	1000	0.45	0.45	U
1634-04-4	Methyl tert-Butyl Ether	1000	0.79	0.79	U
108-05-4	Vinyl Acetate	1000	5.0	5.0	U
78-93-3	2-Butanone (MEK)	1000	0.65	0.65	U
156-59-2	cis-1,2-Dichloroethene	1000	0.44	0.44	U
67-66-3	Chloroform	1000	0.54	0.54	U
107-06-2	1,2-Dichloroethane	1000	0.45	0.45	U
71-55-6	1,1,1-Trichloroethane (TCA)	1000	0.60	0.60	U
71-43-2	Benzene	1000	0.35	0.35	U
56-23-5	Carbon Tetrachloride	1000	0.070	0.070	U
78-87-5	1,2-Dichloropropane	1000	0.51	0.51	U
75-27-4	Bromodichloromethane	1000	0.15	0.15	U
79-01-6	Trichloroethene (TCE)	1000	0.060	0.060	U
10061-01-5	cis-1,3-Dichloropropene	1000	1.0	1.0	U
108-10-1	4-Methyl-2-pentanone	1000	0.90	0.90	U
10061-02-6	trans-1,3-Dichloropropene	1000	0.50	0.50	U
79-00-5	1,1,2-Trichloroethane	1000	0.60	0.60	U
108-88-3	Toluene	1000	0.41	0.41	U
591-78-6	2-Hexanone	1000	0.45	0.45	U
124-48-1	Dibromochloromethane	1000	0.19	0.19	U
106-93-4	1,2-Dibromoethane	1000	0.17	0.17	U
127-18-4	Tetrachloroethene (PCE)	1000	0.080	0.080	U
108-90-7	Chlorobenzene	1000	0.51	0.51	U
100-41-4	Ethylbenzene	1000	0.95	0.95	U
179601-23-1	m,p-Xylenes	1000	1.9	1.9	U
75-25-2	Bromoform	1000	1.1	1.1	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air  
 Sample Name: Method Blank  
 Lab Code: RQ1312056-01

Service Request: R1306891  
 Date Collected: NA  
 Date Received: NA

Analytical Method: TO-15

Date Analyzed: 9/25/13 1012

CAS #	Analyte Name	Sample Amount mL	Result µg/m³	MRL µg/m³	Data Qualifier
100-42-5	Styrene	1000	0.94	0.94	U
95-47-6	o-Xylene	1000	0.95	0.95	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	0.15	0.15	U
541-73-1	1,3-Dichlorobenzene	1000	1.3	1.3	U
106-46-7	1,4-Dichlorobenzene	1000	1.3	1.3	U
95-50-1	1,2-Dichlorobenzene	1000	1.3	1.3	U

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
4-Bromofluorobenzene	109	70-130	9/25/13 1012	

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air

Service Request: R1306891  
 Date Analyzed: 9/25/13

Lab Control Sample Summary  
 Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Analytical Method: TO-15

Units: µg/m³  
 Basis: NA

Analysis Lot: 361291

Lab Control Sample  
 RQ1312056-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Chloromethane	4.37	5.26	83	70 - 130
Vinyl Chloride	6.94	6.58	105	70 - 130
Bromomethane	11.4	9.89	115	70 - 130
Chloroethane	7.37	6.66	111	70 - 130
Acetone	4.85	6.47	75	70 - 130
Trichlorofluoromethane (CFC 11)	13.8	14.3	96	70 - 130
1,1-Dichloroethene	9.06	10.4	87	70 - 130
Methylene Chloride	8.01	9.03	89	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	18.4	19.9	93	70 - 130
Carbon Disulfide	8.18	7.94	103	70 - 130
trans-1,2-Dichloroethene	8.77	10.4	84	70 - 130
1,1-Dichloroethane (1,1-DCA)	8.64	10.5	82	70 - 130
Methyl tert-Butyl Ether	7.85	9.64	81	70 - 130
Vinyl Acetate	6.84	9.06	75	70 - 130
2-Butanone (MEK)	6.22	7.89	79	70 - 130
cis-1,2-Dichloroethene	9.17	10.5	87	70 - 130
Chloroform	11.2	13.2	85	70 - 130
1,2-Dichloroethane	9.54	10.6	90	70 - 130
1,1,1-Trichloroethane (TCA)	12.8	14.3	89	70 - 130
Benzene	7.36	8.38	88	70 - 130
Carbon Tetrachloride	14.2	15.9	90	70 - 130
1,2-Dichloropropane	9.96	12.1	82	70 - 130
Bromodichloromethane	15.5	17.4	89	70 - 130
Trichloroethene (TCE)	12.9	14.0	92	70 - 130
cis-1,3-Dichloropropene	11.0	12.3	90	70 - 130
4-Methyl-2-pentanone	8.23	10.5	78	70 - 130
trans-1,3-Dichloropropene	9.28	11.0	84	70 - 130
1,1,2-Trichloroethane	13.0	14.6	89	70 - 130
Toluene	8.99	10.1	89	70 - 130
2-Hexanone	8.28	11.4	73	70 - 130
Dibromochloromethane	21.6	23.4	92	70 - 130
1,2-Dibromoethane	18.0	20.0	90	70 - 130
Tetrachloroethene (PCE)	16.6	18.0	93	70 - 130
Chlorobenzene	10.7	12.3	87	70 - 130
Ethylbenzene	9.67	11.5	84	70 - 130
m,p-Xylenes	19.6	22.4	87	70 - 130
Bromoform	24.3	26.6	91	70 - 130

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Chazen Environmental Services, Incorporated  
 Project: Centaur - 530 West 28th St./91337.00/Task 0300  
 Sample Matrix: Air

Service Request: R1306891  
 Date Analyzed: 9/25/13

Lab Control Sample Summary  
 Volatile Organic Compounds in Air Collected In SUMMA Passivated Canisters and Analyzed By GC/MS

Analytical Method: TO-15

Units:  $\mu\text{g}/\text{m}^3$   
 Basis: NA

Analysis Lot: 361291

Lab Control Sample  
 RQ1312056-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Styrene	9.67	11.2	86	70 - 130
o-Xylene	9.81	11.9	82	70 - 130
1,1,2,2-Tetrachloroethane	14.1	18.9	75	70 - 130
1,3-Dichlorobenzene	11.9	15.0	79	70 - 130
1,4-Dichlorobenzene	11.5	15.0	77	70 - 130
1,2-Dichlorobenzene	11.1	15.0	74	70 - 130

Results flagged with an asterisk (\*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 | 585.288.5380 | 585.288.8475 (fax) | www.caslab.com

Requested Turnaround Time in Business Days from Receipt, please circle: 1 Day   2 Day   3 Day   4 Day   5 Day <b>10 Day-Standard</b>				CAS Project #:				
Company Name: <b>Chazen Environmental Svcs</b>			Project Name: <b>Centaur - 530 West 28th St</b>			CAS Contact: <b>Mike Perry</b>		
Address: <b>21 Fox St, Suite 201</b>			Project Number: <b>91337.00 / Task 0300</b>			Analysis Method and/or Analytes  <b>EPA TO-15</b>		
City, State, Zip: <b>Poughkeepsie, NY 12601</b>			P.O. #/Billing Information: <b>PO# P15128</b> <b>Bill to Chazen</b> <b>Attn: Accts. Payable</b>					
Project Manager: <b>Ken McBroth</b>			Sample (Print & Sign): <b>Eric J. Orłowski</b>			Comments Specific Instructions		
Phone: <b>845-454-3980</b> Fax: <b>845-454-4026</b>			Email (for result reporting): <b>eorłowski@chazencompanies.com</b>					
Client Sample ID	Laboratory ID Number	Date Collected	Time Collected	Canister ID	Flow Controller ID			
SV-1		9/17-18/13	2052-0452	SLC00134	FC00851	X		
SV-2		↓	2052-0452	SLC00193	FC00859	X		
SV-3			2053-0453	SLC00247	FC00865	X		
SV-4			2053-0453	SLC00248	FC00856	X		
IA-1			2055-0455	SLC00146	FC00849	X		
OA-1			2100-0500	SLC00174	FC00852	X		
						<b>R1306891      5</b> Chazen Environmental Services, Incorporated Centaur - 630 West 28th St. 		
What State were samples collected in:						Project Requirements (MRLs, QAPP, etc.)		
Report Tier Levels - please select: Tier I (Results/Default, if not specified) <b>X</b> Tier II (Results + QC) _____ Tier III (CLP Forms Only) _____ Tier IV (Data Validation) _____			EDD required: <b>YES</b> / NO Type: <b>Excel</b> EDD Units: _____			<b>Detection Limits</b> <b>1 ug/m<sup>3</sup> + 0.25 for TCE.</b>		
Relinquished by: (Signature) <b>E. Orłowski</b>		Date: <b>9/18/13</b> Time: <b>2015</b>	Received by: (Signature) <b>UPS</b>		Date: _____   Time: _____			
Relinquished by: (Signature) <b>UT</b>		Date: _____   Time: _____	Received by: (Signature) <b>[Signature]</b>		Date: <b>9-19-13</b> Time: <b>9:40</b>			
Relinquished by: (Signature)		Date: _____   Time: _____	Received by: (Signature)		Date: _____   Time: _____			



# Cooler Receipt and Preservation Check Form

Project/Client Chazen Folder Number \_\_\_\_\_

Cooler received on 9/19/13 by: KE COURIER: ALS UPS FEDEX VELOCITY CLIENT

1. Were custody seals on outside of cooler? YES NO
2. Were custody papers properly filled out (ink, signed, etc.)? YES NO
3. Did all bottles arrive in good condition (unbroken)? YES NO
4. Did VOA vials, Alkalinity, or Sulfide have significant\* air bubbles? YES NO N/A
5. Were Ice or Ice packs present? YES NO
6. Where did the bottles originate? ALS/ROC CLIENT
7. Soil VOA samples received as: Bulk Jar, Encore TerraCore Lab5035set N/A
8. Temperature of cooler(s) upon receipt: Air Canisters

Is the temperature within 0° - 6° C?: Y N/A Y N  
If No, Explain Below Date/Time Temperatures Taken: NA - Air Canisters

Thermometer ID: IR GUN#3 / IR GUN#4 Reading From: Temp Blank / Sample Bottle

### If out of Temperature, note packing/ice condition & Client Approval to Run Samples:

All Samples held in storage location SMD by KE on 9/19/13 at 10:10  
5035 samples placed in storage location by \_\_\_\_\_ on \_\_\_\_\_ at \_\_\_\_\_

### PC Secondary Review:

Cooler Breakdown: Date: 9/23/13 Time: 1002 by: JFS

1. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
2. Did all bottle labels and tags agree with custody papers? YES NO
3. Were correct containers used for the tests indicated? YES NO
4. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

### Explain any discrepancies:

pH	Reagent	YES NO		Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
		YES	NO						
≥12	NaOH								
≤2	HNO <sub>3</sub>								
≤2	H <sub>2</sub> SO <sub>4</sub>								
<4	NaHSO <sub>4</sub>								
Residual Chlorine (-)	For TCN Phenol and 522			If present, contact PM to add ascorbic acid Or sodium sulfite (522)					
	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	-	-			*Not to be tested before analysis - pH tested and recorded by VOAs or GenChem on a separate worksheet			
	Zn Aceta	-	-						
	HCl	*	*						

Yes = All samples OK  
No = Samples were preserved at lab as listed  
PM OK to Adjust: \_\_\_\_\_

Bottle lot numbers: \_\_\_\_\_

Other Comments: \* SV-2 was not labeled on tag. Had to be identified via canister ID #.

PC Secondary Review: MP 9/19/13

\*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter