551 WEST 21ST STREET

Manhattan, New York

Remedial Investigation Report

NYC BCP Site Number: 13CVCP107M
E-Designation Site Number: 06DEPTECH111M

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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 BCP	New York City Brownfield 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, Nathan Epler, 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 Redevelopment of 547-549 and 551 West 21st Street Site. 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.

	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 proposed redevelopment of 551 West 21st Street includes 547, 549 and 551 West 21st Street, New York, New York. According to New York City tax map records, the Site is located in the borough of Manhattan, Block 693 Lot 1 (551 West 21st Street) and Lot 8 (547-549 West 21st St.) The Site is located on the north side of West 21st Street, between 10th and 11th Avenues in the West Chelsea section of Manhattan, New York. 547-549 West 21st St. currently exists as a one-story building on a 50-foot x 100-foot lot (approximately 5,000 square feet) that is currently being used as an art gallery. 551 West 21st Street is a four- story building on a 125-foot x 100-foot lot (approximately 12,500 square feet) and currently operates as commercial building with retail art gallery space on the first floor and office space on second, third and fourth floors.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a multi-story residential building with ground-level commercial space. The proposed Site redevelopment includes demolition of the existing buildings, excavation to a depth of approximately 15 feet below land surface (ft bls) and construction of a 19-story commercial/residential building with a cellar level. The building will include residential condominiums and a ground-level art gallery. The new building will encompass the entire footprint of both lots.

The current zoning designation is C6-3 (commercial) in the Special West Chelsea District of Manhattan, New York. C6 districts permit a wide range of high-bulk commercial uses requiring a central location. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Historically, various portions of the Site were utilized for a number of different industrial operations. Roux Associates prepared a Phase I Environmental Site Assessment (ESA) report

dated March 28, 2005 (Appendix A) for the 547-549 West 21st Street portion of the Site. Based on a review of the information in the Phase I ESA report, the Site was previously used as a cabinet factory (1895-1921), a smelting and foundry operation (1921- Unknown date), an auto repair shop (1975-1995), a theater/cabaret (1995-2005) and most recently, an art gallery.

According to a Phase I Environmental Site Assessment (ESA) report prepared by HydroTech Environmental, Corp. (dated August 26, 2004) for the 551 West 21st Street portion of the Site, the Site was previously used as a lumber yard (1895-1921), a furniture warehouse (1921-1995) and most recently operated as a nightclub (Appendix A).

It should also be noted that discovery of a release of fuel oil at the property located immediately adjacent to the northeast corner of the Site (548 West 22nd Street) resulted in a spill (No. 0806879) being reported to the NYSDEC on September 17, 2008. This spill number remains open. The spill resulted in soil and groundwater contamination, as documented in the Environmental Database Report (EDR) dated August 11, 2011. A plume of separate-phase petroleum product was identified in the southwest region of the 548 West 22nd Street site. Therefore the potential exists for migration of separate-phase petroleum product and associated impacted groundwater onto the Site.

The following Areas of Concern (AOCs) have been identified at the Site:

1. As indicated above, prior industrial Site history.
2. The presence of historic fill from 10 to 25 feet throughout the Site.
3. Current and historic use of adjoining and surrounding properties.
4. Open and closed spills within the immediate area of the Site, including open DEC Spill # 0806879.
5. The presence of historic USTs and ASTs.

Summary of the Work Performed under the Remedial Investigation

The following environmental work plans and reports were developed for the Site:

1. Conducted a site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.).

2. Roux Associates conducted two Phase II ESAs for the subject site (in 2006 for 547-551 West 21st Street and in 2005 for 551 West 21st Street (Appendix A).

3. Roux Associates directed the installation of 12 soil borings across the entire project Site (three soil borings at 547-549 West 21st Street and nine soil borings at 551 West 21st Street). Roux Associates collected a total of 16 soil samples for analysis from the soil borings to evaluate soil quality. Five temporary groundwater monitoring wells were installed throughout the Site in conjunction with the subsurface soil investigation. Roux Associates collected five groundwater samples for analysis to evaluate groundwater quality.

4. In August, 2012, Roux Associates conducted a soil vapor investigation at the Site, which included the installation and sampling of three soil vapor points.

5. Langan Engineering and Environmental Services PC (Langan) advanced 11 borings (B1-B11) ranging from 62-102 feet in depth for a geotechnical study of the subsurface. The study was summarized in a Geotechnical Engineering Report in July 2012. A review of the boring logs provided by Langan indicated that soil profile beneath the Site generally consists of a surficial layer of fill (0-25'bls) underlain by soft organic clay (10'-54' bls), grey to brown sand with lenses of silt and clay (54'-67' bls), decomposed rock (60'-66' bls) and finally bedrock (66'-92' bls). Representative subsurface profiles are provided in the summary report (Appendix B).

Summary of Environmental Findings

- The Site is underlain by historical urban fill of undocumented origin.
- The measured groundwater levels at the Site range from 7.7 to 8 feet.
- Groundwater flow is presumed to be in the westerly direction, towards the Hudson River.
- Depth to bedrock is approximately 66 feet to 92 feet below land surface at the Site.
- The stratigraphy of the site consists of a surficial layer of fill (0-25'bls) underlain by soft organic clay (10'-54' bls), grey to brown sand with lenses of silt and clay (54'-67' bls), decomposed rock (60'-66' bls) and finally bedrock (66'-92' bls). Representative subsurface profiles are provided in the summary report (Appendix B).
- PCBs and pesticides were not tested. Soil/ fill samples collected during the RI showed VOCs detected at concentrations above Track 1 SCOs for Unrestricted Use in one deep soil sample (SB-8) and included toluene (at 1.8 milligrams per kilogram (ppm)), xylene (at 5.3 ppm) and ethylbenzene (at 1.7 ppm). Other VOCs included acetone and methylene chloride detected well below RSCOs. Several SVOCs were detected above Track 1 SCOs in shallow and deep soils. Of these, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene also exceeded Restricted Residential SCOs. Several metals including arsenic, copper, lead, mercury, silver and zinc were detected at concentrations

above their respective Track 1 SCOs and of these, lead (max of 1100 ppm) and mercury (max of 2.2 ppm) also exceeded Track 2 (Restricted Residential Use) SCOs.

- No VOCs were detected in groundwater samples collected during the RI except for methylene chloride in SB-6. The detection of methylene chloride is likely a laboratory introduced artifact as it's commonly used as an organic extracting solvent. Several PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected in the groundwater sample collected at levels above GQS. Metals including manganese and sodium were detected in the filtered groundwater sample above GQS.

- Low levels of several petroleum-related compounds (e.g., benzene, toluene, ethylbenzene and xylene) were detected in soil vapor samples collected during the RI. Low levels of tetrachlorethene (PCE) was detected at 22 µg/m3 in one vapor samples.

1.0 SITE BACKGROUND

551 West 21st Street LLC has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 0.40-acre site located at 547, 549 and 551 West 21st Street in the West Chelsea section of Manhattan, New York. Mixed commercial and residential use is proposed for the property. The Remedial Investigation (RI) work was performed between 2005 and 2012. This RI Report (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 proposed redevelopment of 551 West 21 st Street includes 547, 549 and 551 West 21 st Street, New York, New York. According to New York City tax map records, the Site is located in the borough of Manhattan, Block 693. Lot 1 (551 West 21 st Street) and Lot 8 (547-549 West 21 st Street) The Site is located on the north side of West 21 st Street, between 10th and 11th Avenues in the West Chelsea section of Manhattan, New York. 547-549 West 21st Street currently exists as a one-story building on a 50-foot x 100-foot lot (approximately 5,000 square feet) that is currently being used as an art gallery. 551 West 21st Street is a four- story building on a 125-foot x 100-foot lot (approximately 12,500 square feet) which currently operates as commercial building with retail art gallery space on the first floor and office space on second, third and fourth floors.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a multi-story mixed use commercial/residential building with ground-level retail art gallery space. The proposed Site redevelopment includes demolition of the existing buildings, excavation to a depth of approximately 15 feet below land surface (ft bls) and construction of a 19-story commercial/residential building with a cellar level. The building will include residential condominiums and a ground-level art gallery. The new building will encompass the entire footprint of both lots.

The current zoning designation is C6-3 (commercial) in the Special West Chelsea District of Manhattan, New York. C6 districts permit a wide range of high-bulk commercial uses requiring a central location. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The Site is located on the northeast corner of West 21st Street and 11th Avenue. Chelsea Piers, a sports and entertainment complex, is located west of the Site on the west side of 11th Avenue (NY-9A). The site is bordered to the northwest by the four-story Chelsea Art Museum (154 Eleventh Avenue); to the north by a four-story commercial building (554 West 22nd Street); to the northeast by a three story commercial building (542 West 22nd Street); and to the east by an eight story manufacturing facility (541 West 21st Street). The Hudson River is approximately 500 feet west of the Site. According to the New York City (NYC) Office of Environmental Remediation (OER) SPEED Database, no schools, day-care facilities or hospitals are located within a 500-foot radius of the Site. Figure 2 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

547-549 West 21st Street

Roux Associates prepared a Phase I Environmental Site Assessment (ESA) report dated March 28, 2005 (Appendix A). Based on a review of the information in the Phase I ESA report, the Site was previously used as a cabinet factory (1895-1921), a smelting and foundry operation (1921-unknown date), an auto repair shop (1975-1995) and a theater/cabaret (1995-2005).

551 West 21st Street

According to a Phase I Environmental Site Assessment (ESA) report prepared by HydroTech Environmental, Corp. dated August 26, 2004, the Site was previously used as a lumber yard (1895-1921), a warehouse (1921-1995) and a nightclub (1995-unknown date). (Appendix A).

2.2 Previous Investigations

547-549 West 21st Street

Roux Associates conducted a Phase II ESA during 2006 (Appendix A). Three borings were installed to 8 feet below land surface. Two soil samples from each boring (0-4' and 4-8') were submitted for laboratory analysis. A total of six soil samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs) and metals.

Results of the laboratory analyses for VOCs indicated that all compounds were either non-detectable or present at concentrations below their respective New York State Department of Environmental Conservation (NYSDEC) 6NYCRR Part 375 Track 1 (Unrestricted Use) Recommended Soil Cleanup Objectives (RSCOs). Several SVOCs, specifically PAHs (Polycyclic Aromatic Hydrocarbons), and metals were detected above their respective RSCOs. The detection of PAHs and metals are typical of historical fill in urban and industrialized areas and likely reflective of area background levels.

One groundwater sample was collected and analyzed for VOCs, SVOCs and metals. All VOCs were either not detected or detected at levels below their respective NYSDEC Class GA Ambient Water Quality Standards and Guidance Values (AWQSGVs). Several SVOCs, specifically PAHs were detected above their respective NYSDEC AWQSGVs. The low-level detections were likely

due to excess turbidity in the groundwater sample. The groundwater sample collected for metals analysis was field filtered. Two metals (manganese, sodium) were detected at levels above their respective AWQSGVs.

551 West 21st Street

Roux Associates conducted a Phase II ESA during 2005 (Appendix A). A total of ten soil samples and four groundwater samples were collected from the Site and analyzed for VOCs, SVOCs, and RCRA metals.

Results of the laboratory analyses for VOCs indicated that all compounds were either not detected or present at concentrations below their respective Track 1 RSCOs except for elevated levels of xylene (5,300 µg/kg), ethylbenzene (1,700 µg/kg) and toluene (1,800 µg/kg) from SB-8. Elevated detections of VOCs were only observed at a depth of 12 to 16 ft bls in one boring. No VOCs were detected in groundwater samples collected during the RI except for methylene chloride in SB-6. The detection of methylene chloride is likely a laboratory introduced artifact as it's used commonly as an organic extracting solvent.

SVOCs, specifically PAHs, were detected at concentrations above their respective Track 1 SCOs and Track 2 RSCOs in both shallow and deep soil samples. Elevated detections of SVOCs are indicative of coal tar residue and likely represent impacts to fill in the area due to historical operations of manufactured gas plants known to have existed in the vicinity of the site. SVOCs were also detected in two groundwater samples collected from SB-2 and SB4 at concentrations exceeding NYSDEC AWQSGVs. These detections are likely due to excess turbidity in the groundwater samples since they were obtained using a Geoprobe® and not from fully-developed wells.

Several RCRA metals (Arsenic, chromium, lead, mercury and nickel) were detected above their respective Track 1 SCOs. Concentrations several metals were also detected above their respective Track 2 RSCOs, including lead (maximum of 1100 ppm), mercury (maximum of 2.2 ppm), and arsenic (maximum of 26 ppm). Due to the nature of the Site, the presence of metals is common for fill from urban industrial or commercial areas. Low-level detections of metals were also

detected in groundwater samples. These detections are likely due to excess turbidity in the samples since they were collected via Geoprobe® and not from fully-developed wells.

2.3 Site Inspection

A site inspection was conducted on August 22, 2012. 547-549 West 21st Street currently operates as a one-story art gallery while 551 West 21st Street operates as a four-story commercial building with a ground level art gallery and offices occupying the second, third and fourth floor.

2.4 Areas of Concern

The Site is underlain by historical urban fill of undocumented origin and is impacted by elevated concentrations of PAHs and metals. The following Areas of Concern (AOCs) have been identified at the Site:

1. As indicated above, prior industrial Site history.
2. The presence of historic fill from 10 to 25 feet throughout the Site.
3. Current and historic use of adjoining and surrounding properties.
4. Open and closed spills within the immediate area of the Site, including open DEC Spill #0806879.
5. The presence of historic USTs and ASTs.

It should be noted that discovery of a release of fuel oil at the property located immediately adjacent to the northeast corner of the Site (548 West 22nd Street) resulted in a spill (No. 0806879) being reported to the NYSDEC on September 17, 2008. This spill number remains open. The spill resulted in soil and groundwater contamination, as documented in the Environmental Database Report (EDR) dated August 11, 2011. A plume of separate-phase petroleum product was identified in the southwest region of the 548 West 22nd Street site. Therefore the potential exists for migration of separate-phase petroleum product and associated impacted groundwater onto the Site.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Nathan Epler, Ph.D.

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 materials encountered during the RI were managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The following investigations were performed at the Site:

1. Roux Associates subcontracted with Naeva Geophysics, Inc. (Naeva) on February 15, 2005 to conduct a non-intrusive geophysical survey prior to the drilling of soil borings. The geophysical investigation was performed utilizing a GSSI SIR-2000 ground penetrating radar (GPR) controller unit with a high frequency, high resolution 500 megahertz (MHz) transducer. Based on the results of the GPR survey, no evidence of underground storage tanks was observed. In additional, all potential underground utility lines (i.e., gas, water, sewer, electric, telephone, cable, fiber optic, etc.) were marked-out prior to intrusive drilling activities.

2. Roux Associates conducted two Phase II ESAs at the Site (in 2006 for 547-549 West 21st Street and in 2005 for 551 West 21st Street [Appendix A]). Roux Associates directed the installation of 12 soil borings across the Site (three soil borings at 547-549 West 21st Street and nine soil borings at 551 West 21st Street). Roux Associates collected a total of 16 soil samples for chemical analysis from the soil borings to evaluate soil quality. Five temporary groundwater sampling points were installed throughout the Site in conjunction with the soil borings. Roux Associates collected a total of five groundwater samples for analysis to evaluate groundwater quality.

3. In August, 2012, Roux Associates conducted a soil vapor investigation on the Site. The investigation included the installation of three soil vapor points throughout the property. Two soil vapor points were installed beneath the foundation of the existing building. The third soil vapor point was installed in a sunken pit formerly occupied by a 1-story building add on. Following soil vapor point installation, Roux Associates collected three soil vapor samples for analysis.

4. Langan Engineering and Environmental Services PC performed a Geotechnical evaluation in July 2012, in which they advanced 11 borings (B1 through B11) ranging in maximum depth from 62 to 102 feet. A review of the geotechnical boring logs indicated that the soil profile generally consists of a surficial layer of fill (0-25'bls) underlain by soft organic clay (10'-54' bls), grey to brown sand with lenses of silt and clay (54'-67' bls), decomposed rock (60'-66' bls) and finally bedrock (66'-92' bls). The summary report prepared by Langan is provided in Appendix B.

4.1 NYSDEC Spill No. 0806879

Discovery of a release of fuel oil at the property located immediately adjacent to the northeast corner of the Site (548 West 22nd Street) resulted in a spill being reported to the NYSDEC on September 17, 2008. This spill number remains open. The spill resulted in soil and groundwater contamination, as documented in the Environmental Database Report (EDR) dated August 11, 2011. A plume of separate-phase petroleum product was identified in the southwest region of the

548 West 22nd Street site. Therefore the potential exists for migration of separate-phase petroleum product and associated impacted groundwater onto the Site.

4.2 Soil Boring and Monitoring Well Installation

4.2.1 547-549 West 21st Street

During the Phase II ESA, three soil borings were installed at 547-549 West 21st Street. Each boring was installed using a Geoprobe® 54-LT mobile drilling unit utilizing direct push technology. The soil borings were completed to a depth of eight feet below the top of the interior slab of the building. Two samples were collected from each boring; a soil sample from the 0 to 4-foot interval and a sample from the 4 to 8-foot interval. Visual/olfactory inspections were conducted on all soil samples collected. Additionally, all soil samples were field-screened for VOCs with a photoionization detector (PID).

4.2.2 551 West. 21st Street

During the Phase II ESA, nine soil borings were installed at 551 West 21st Street. Each boring was installed using a Geoprobe ® 54-LT and 6620 mobile drilling units utilizing direct push technology. The soil borings were completed to the top of the clay layer, which was encountered at depths ranging from 15 to 25 ft bls. Soil samples were collected from each soil boring in 4-foot or 5-foot increments, depending on the equipment used. Visual/olfactory inspections were conducted on all soil samples collected. Additionally, all soil samples were field-screened for VOCs with a PID. Soil samples were selected for laboratory analysis based on suspect physical characteristics (e.g., odor and/or staining) or elevated PID readings. In the absence of visual/olfactory impacts to soil and elevated PID readings, a soil sample was collected approximately one foot above the water table and submitted for laboratory analysis. A minimum of one soil sample from each soil boring was submitted for laboratory analysis. Based on field observation and previous knowledge of the general area, shallow fill material was located throughout the Site at depth intervals of 0 to 7 ft bls. The shallow fill appeared to be distinct from deeper fill material. Therefore, at soil boring SB-1, an additional sample was collected from the 5 to 7-foot interval as representative of the shallow fill material beneath the Site.

Boring logs are attached in Appendix C. Soil boring locations are depicted on Figure 3.

4.2.3 Water Level Measurement

Groundwater was encountered 7 to 8 ft bls in the observation wells installed at the subject property.

4.3 Sample Collection and Chemical Analysis

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.

4.3.1 Soil Sampling

Sixteen soil samples were collected for chemical analysis during the Phase II ESAs. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1 through 6. Figure 3 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

4.3.2 Groundwater Sampling

547-549 West 21st Street

One groundwater sample (GW-1) was collected on February 24, 2006 during the Phase II ESA at Soil Boring location SB-3 (Figure 3). The sampling method involved advancing a Screen Point 15 Groundwater sampler to 10 feet below the top of the interior slab using a Geoprobe drive unit. The Screen Point 15 Sampler included a 4-foot by 1-inch diameter stainless steel wire-wrapped screen with a slot opening of 0.004 inches. The screen was sealed inside a 1.5 inch diameter steel sheath with Neoprene O-rings and a disposable drive point. Once the desired sampling depth was reached, the screen was released using an extension rod and the drilling rods were retracted to expose a four foot section of the screen to the formation from 8 to 12 ft bls. Using a peristaltic pump and disposable polyethylene tubing, the screen point was purged of three volumes of water

prior to sample collection. The groundwater sample was collected at a low flow rate of 150 milliliters per minute (ml/minute).

551 West 21st Street

Four groundwater screening samples were collected on December 7, 2004 during the Phase II investigation, one each from Soil Borings SB-2, SB-4, SB-6, and SB-7 (Figure 3). Groundwater at the Site was encountered at approximately 10 ft bls. The sampling method included advancing a Screen Point 15 Groundwater Sampler to 14 ft bls adjacent to the original boring location using a Geoprobe" drive unit. Once the desired sampling depth was reached, the screen was released using an extension rod and the drilling rods retracted to expose a four foot section of the screen to the formation at 10 ft to 14 ft bls. Using a peristaltic pump and disposable polyethylene tubing, the screen point was purged of approximately three volumes of water prior to the collection of a groundwater sample. The groundwater sample was collected unfiltered at a low flow rate of 150 ml/minute from the same tubing used for purging directly into the laboratory sample bottles. No suspect physical characteristics associated with the groundwater were noted during the groundwater sample collection activities.

Groundwater sample data is reported in Tables 7 through 12.

4.3.3 Soil Vapor Sampling

Methodologies used for the installation and sampling of sub-slab soil vapor were in accordance with the *NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006*.

Three soil vapor probes were installed at the Site on August 23, 2012. Holes through the existing building foundation and concrete were installed utilizing a four-inch diameter coring drill. The core drill was used to penetrate through the concrete slab and approximately six inches of underlying soils were excavated utilizing hand tools. The soil vapor point installed in the sunken pit of a former 1-story building add-on was installed approximately 5 feet below the concrete slab. A six-inch long stainless steel screen was placed from zero to six inches below the bottom of the concrete slab. Polyethylene tubing was attached to top of the screen and run to the surface. The remaining annular space was backfilled with clean sand and sealed at the surface of the slab with a concrete slurry.

Prior to soil vapor sample collection, the soil vapor points were purged utilizing a pre-calibrated air pump at rate of 0.2 liters/minute. To ensure the soil vapor points were sealed properly, a small enclosure was placed over each point and a tracer gas (helium) was released into the enclosure. A helium gas detecting instrument was utilized to monitor helium concentration during the purging of the soil vapor. No helium tracer gas was detected during soil vapor point purging activities, indicating that the soil vapor points are properly isolated from ambient air above the slab and the samples are representative of the subsurface soil vapors without ambient air interference/dilution.

Soil vapor sampling locations are shown in Figure 3. Soil vapor sample data is reported in Table 13.

4.3.4 Chemical Analysis

Chemical analyses presented in this RIR have been performed using the following methods:

Factor	**Description**
Chemical Analytical Laboratory	Chemical analytical laboratories used were NYS ELAP certified. The following laboratories were used: Severn/Trent Laboratories of Sheldon, CT; EcoTest Laboratories of North Babylon, NY; and TestAmerica of Burlington, VT.
Chemical Analytical Methods	<u>Soil analytical methods</u>: • TAL Metals by EPA Method 6010C (rev. 2007) • VOCs by EPA Method 8260C (rev. 2006) • SVOCs by EPA Method 8270D (rev. 2007) • Pesticides by EPA Method 8081B (rev. 2000) • PCBs by EPA Method 8082A (rev. 2000)
	<u>Groundwater analytical methods</u>: • TAL Metals by EPA Method 6010C (rev. 2007) • VOCs by EPA Method 8260C (rev. 2006) • SVOCs by EPA Method 8270D (rev. 2007) • Pesticides by EPA Method 8081B (rev. 2000) • PCBs by EPA Method 8082A (rev. 2000)
	<u>Soil vapor analytical methods</u>: • VOCs by TO-15 VOC parameters

4.3.5 Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Table 1 through 13, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix D.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

The following summary of subsurface stratigraphy was based on observations in the following report (Appendix B):

> Geotechnical Engineering Study for 551 West 21st Street, New York, New York prepared by Langan Engineering and Environmental Services P.C., July 2012).

5.1.1 Stratigraphy

The soil profile generally consists of a surficial layer of uncontrolled fill underlain by soft organic clay, grey to brown sand with lenses of silt and clay, decomposed rock, and finally bedrock. Detailed description of each subsurface stratum is given below in order of increasing depth.

Surface Material

The existing concrete basement slabs vary from 2 to 6 inches thick with the exception of boring B-1, where a 12-inch-thick concrete slab was encountered. The exterior concrete sidewalk is about 6 inches thick.

Uncontrolled Fill [Class 7]3

A layer of uncontrolled fill, generally consisting of brown to grey, course to fine-grained sand with varying amounts of gravel, silt, brick, boulders, and construction debris was encountered immediately below the surface pavement and building slabs. The fill ranged in thickness from about 10 feet to about 25 feet. Standard Penetration Resistances (N-values) ranged from 0 blows per foot to more than 100 blows per foot (blows/ft), with an average of 19 blows/ft. Occasionally, spoon refusal (more than 50 blows over six inches of penetration or 100 blows over one foot of penetration) occurred where obstructions such as coarse gravel, wood, bricks, and boulders were encountered.

Obstructions

Borings B-4, B-8 and SCPT-1 encountered timber in the fill material at depths ranging from about 9 feet to 34 feet below surface. Two split-spoon samples in boring B-4 recovered pieces of wood 17 inches and 20 inches long, respectively. Wood fragments were also observed in drilling fluid in this zone. These are likely remnants of the former pier structure that extended below present day 21st Street. Hard drilling was encountered in many of the borings within the existing building

extents including boring B-2, B-8, B-9, and SCPT-1 ranging from depths of 2 feet to 17 feet below grade. Some of these borings even required coring to get through boulders and rip-rap obstructions. Cored rip-rap resembled mica schist shot rock, which would commonly be found around docks. One mechanical grain size analysis and three percent fines passing No. 200 were performed on four representative samples of this stratum. The percent passing the No. 200 sieve ranged from 9.8 to 30.0 percent. The samples were classified as silty sand (SM) and poorly-graded sand (SP) in accordance with Unified Soil Classification System (USCS). The fill layer is designated as Building Code Class 7, Controlled and Uncontrolled Fills.

Soft Organic Clay [Class 6]

Below the uncontrolled fill layer is a clay stratum characterized as soft, gray, medium to high plasticity organic clay. The clay thickness ranged from about 33 feet to about 54 feet. The depth to the top of organic clay ranged from 10 feet to 25 feet below the ground surface. The N-values ranged from weight of hammer (W.O.H) to 23 blows/ft, with an average of about 4 blows/ft. The natural water content ranged from 36 to 66 percent (average 50 percent). The liquid limit ranged from 43 to 86 percent (average 59 percent), and the plasticity index ranged from 25 to 52 percent (average 34 percent). Two samples were tested for organic content, which was about 2 to 4 percent. The undrained shear strength for two tested samples ranged from 640 to 690 pounds per square foot (psf). Based on two consolidation tests, the organic clay is normally consolidated; the compression ratio ranged from 0.133 to 0.192 and the recompression ratio ranged from 0.018 to 0.024. This natural organic clay layer is classified as OH/CH in accordance with USCS and is designated as Building Code Class 6 material.

Till [Class 3a & 3b]

A glacial deposit was encountered below the organic clay and is characterized as loose to very dense, gray to brown, fine to medium grained sand, with silt, gravel and clay. There are intermittent layers of clay, gravel and silt present in this layer. The sand layer ranged from about 0.5 feet to 34 feet in thickness and extended from depths ranging from about 54 feet to 67 feet below the existing ground surface to the top of the bedrock. The N-values ranged from 7 blows/ft to 67 blows/ft with an average of 22 blows/ft. Two mechanical grain size analyses and two percent fines passing #200 were performed on four representative samples of this stratum. The percent passing the No. 200 sieve ranged from 25.9 to 71.2 percent. The natural water

contents of the samples tested ranged from 19.3 to 23.8 percent. The samples are classified as silty sand (SM) varved with layers of lean sandy silt (ML) in accordance with Unified Soil Classification System (USCS). The sand layer is designated as Building Code Class 3, Medium and Dense Granular Soils.

Weathered Rock [Class 1d]

Weathered rock was encountered below the sand in all borings except boring B-10(OW). The material thickness ranged from less than 1 ft to 4 ft. N-values in the material ranged from 100 blows for 5 inches or less of spoon penetration. The weathered rock is designated as Building Code Class 1d, Soft Rock.

Bedrock [Class 1a & 1b]

The bedrock is typically characterized as gray, hard, slightly weathered, mica schist. Boring B-8 found a black quartz-biotite-hornblende amphibolite at el. -62 BPMD and boring B-10(OW) found a gray fine-grained quartz-feldspar granulite with biotite and garnet at el. -64 BPMD. These rock formations are also known to be found within the Hartland Formation and the rock cores show that these materials exhibit similar strength properties to the mica schist covering most of the site. The depth to bedrock ranged from about 66 feet to about 92 feet below the grade and the corresponding top of rock elevation ranged from el -62 BPMD to el -87 BPMD. The bedrock is designated as Building Code Class 1a and Class 1b, Hard Sound Rock to Medium Sound Rock.

Hydrogeology

Groundwater levels were measured at observation wells B-1, B-5 and B-10 by Langan (Appendix B). The groundwater level at the site was monitored in the observation wells B-1 and B-5 on November 3, 2005 as well as in B-10 between May 22 and June 4, 2012. The measured water level varied from 7.7 feet to 8.0 feet and averaged 7.9 feet below the ground surface. The corresponding elevation is el -3.3 BPMD.

The average depth to groundwater is 7.9 feet bls and the range in depth 7.7 to 8 feet bls. Groundwater flow is assumed to be generally in the westerly direction, towards the Hudson River. However, local groundwater flow directions are likely impacted by the presence of subsurface obstructions, building foundation elements and subsurface utilities.

5.2 Soil Chemistry

Analytical results were compared to NYSDEC 6 NYCRR Part 375 Recommended Soil Cleanup Objectives (RSCOs) for Unrestricted Use. Laboratory results are summarized below.

Volatile organic compounds (VOCs), including acetone (maximum of 59 µg/kg in SB-9 @ 0-0.5' b.g.), ethyl benzene (maximum of 1700 µg/kg in SB-8 @ 12'-16' b.g.), toluene (1800 µg/kg SB-8 @ 12'-16' b.g.) and total xylenes (maximum of 5900 µg/kg SB-8 @ 12'-16' b.g.), were detected in two (2) of twelve (12) soil samples analyzed at concentrations exceeding Track 1 (Unrestricted Use) Soil Cleanup Objectives (SCOs), but were all below Track 2 (Residential Use) SCOs. Other VOCs were also detected, but at trace levels below Track 1 SCOs. It should be noted that two (2) of the soil samples, including one (1) which contained VOC Track 1 exceedences, were analyzed at detection limits exceeding Track 1 SCOs for VOCs. Acetone detections are often attributable to laboratory handling. The onsite VOC contamination appears to be more pronounced in deeper, subsurface intervals (i.e. 12'-16' b.g.).

Semivolatile organic compounds (SVOCs) were found to exceedTrack 1 and/or Track 2 SCOs in eight (8) of twelve (12) soil samples analyzed. The most egregious levels of SVOC contamination were found to exist in soil retrieved from SB-1 @ 10'-15' b.g., SB-8 @ 12'-16' b.g. and S-2 @ 0-4' b.g. SVOCs of concern include the following:

- acenaphthene (maximum of 36000 µg/kg in SB-1 @ 10'-15');
- benzo[a]anthracene (maximum of 31000 µg/kg in SB-1 @ 10'-15' b.g.);
- benzo[a]pyrene (maximum of 23000 µg/kg in S-2 @ 0-4' b.g.);
- benzo[b]fluoranthene (maximum of 21000 µg/kg in S-2 @ 0-4' b.g.);
- benzo[k]fluoranthene (maximum of 15000 µg/kg in SB-1 @ 10'-15' b.g.);
- chrysene (maximum of 28000 µg/kg in SB-1 @ 10'-15' b.g.);
- dibenzo[a,h]anthracene (maximum of 2300 µg/kg in S-2 @ 0-4' b.g.);
- dibenzofuran (maximum of 33000 µg/kg in SB-1 @ 10'-15' b.g.);
- fluorene (maximum of 43000 µg/kg in SB-1 @ 10'-15' b.g.);
- indeno[1,2,3-c,d]pyrene (maximum of 6600 µg/kg in S-2 @ 0-4' b.g.);
- naphthalene (maximum of 18000 µg/kg in SB-8 @ 12'-16' b.g.);

- phenanthrene (maximum of 125000 µg/kg in SB-1 @ 10’-15’ b.g.); and
- phenol (maximum of 530 µg/kg in SB-8 @ 12’-16’b.g.).

These observations are consistent with the location of the Site, as it is in the vicinity of historical manufactured gas plant (MGP) sites.

None of the soil samples were analyzed for presence of pesticides or PCBs.

Metals were found to exceed Track 1 and/or Track 2 SCOs in fifteen (15) of sixteen (16) soil samples analyzed. Metals of concern include the following:

- arsenic (@ 17.7 mg/kg in S-2 (0-4’ b.g.) and 26 mg/kg in SB-1 (5’-7’ b.g.)
- cadmium (@ 2.6 mg/kg in SB-9 (0-0.5’ b.g.)
- lead (between 112 mg/kg and 1100 mg/kg in 15 borings at both shallow and deeper depths)
- mercury (between 0.2 mg/kg and 2.2 mg/kg in 12 borings at both shallow and deeper depths)

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of impacts to soil/fill at the Site. A summary table of data for analyses performed on soil samples is included in Tables 1 through 6.

5.3 Groundwater Chemistry

Analytical results were compared to NYSDEC 6 NYCRR Part 703.5 Class GA Groundwater Quality Standards (GQS). Laboratory results are summarized below.

VOCs were not detected in groundwater samples obtained beneath the Site at levels exceeding GQS, with the exception of methylene chloride (in SB-6). Several other VOCs were detected, but at trace levels. Several PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected in three (3) of five (5) analyzed groundwater samples (GW-1, SB-2, SB-4) at levels above GQS. These detections were likely due to excess turbidity in the groundwater samples since they were obtained using a Geoprobe, and not from fully-developed wells. Metals including manganese and sodium were detected in the filtered groundwater sample above GQS.

Data collected during the RI is sufficient to delineate the distribution of impacts to groundwater beneath the Site. A summary table of data for analyses performed on groundwater samples is included in Tables 7 through 12.

5.4 Soil Vapor Chemistry

Two soil vapor samples were collected from beneath the building foundation slab at the Site. The third was collected from a sunken pit, formerly occupied by a 1-story building add-on. Low levels of several petroleum-related compounds (e.g., benzene, toluene, ethylbenzene and xylene) were detected in soil vapor samples collected during the RI. However, none of the subslab soil vapor concentrations exceeded USEPA guidance[1]. Low levels of tetrachlorethene (PCE) were detected at 22 µg/m3 in one vapor samples.

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 analyses performed on soil vapor samples is included in Table 13. Soil vapor sampling point locations are depicted on Figure 3.

5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 Impediments to Remedial Action

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

[1] Target Shallow Soil Gas Concentration corresponding to Target Indoor Air Concentrations where the risk level is 1×10^{-6} (USEPA / OSWER, November 2002).

6.0 CONCLUSIONS

Based on the findings of the Remedial Investigation discussed above, Roux Associates concludes that except for one hotspot area for SVOCs (at SB-8), there is limited soil and/or groundwater impairment beneath, and/or in close proximity to, the Site.

Roux Associates does not recommend further environmental investigation at the Site.

TABLES

1. Summary of Volatile Organic Compounds in Soil 547-549 West 21st Street
2. Summary of Volatile Organic Compounds in Soil 551 West 21st Street
3. Summary of Semivolatile Organic Compounds in Soil 547-549 West 21st Street
4. Summary of Semivolatile Organic Compounds in Soil 547-549 West 21st Street
5. Summary of Metals in Soil 547-549 West 21st Street
6. Summary of Metals in Soil 551 West 21st Street
7. Summary of Volatile Organic Compounds in Groundwater 547-549 West 21st Street
8. Summary of Volatile Organic Compounds in Groundwater 551 West 21st Street
9. Summary of Semivolatile Organic Compounds in Groundwater 547-549 West 21st Street
10. Summary of Semivolatile Organic Compounds in Groundwater 551 West 21st Street
11. Summary of Metals in Groundwater 547-549 West 21st Street
12. Summary of Metals in Groundwater 551 West 21st Street
13. Soil Vapor Analytical Data Summary (showing exceedances of NYS DOH Soil Vapor Intrusion Guidance)

Table 1. Summary of Volatile Organic Compounds in Soil, 547-549 West 21st Street, New York, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	**Sample Designation:**	S-1	S-1	S-2	S-2	S-3	S-3
		Sample Date:	02/24/06	02/24/06	02/24/06	02/24/06	02/24/06	02/24/06
		Sample Depth (ft bls):	0-4	4-8	0-4	4-8	0-4	4-8
1,1,1-Trichloroethane	680		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
1,1,2,2-Tetrachloroethane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
1,1,2-Trichloroethane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
1,1-Dichloroethane	270		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
1,1-Dichloroethene	330		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
1,2-Dichloroethane	20		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
1,2-Dichloropropane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
2-Butanone (MEK)	120		11 U	11 U	13 U	12 U	12 U	12 U
2-Hexanone	--		11 U	11 U	13 U	12 U	12 U	12 U
4-Methyl-2-pentanone (MIBK)	--		11 U	11 U	13 U	12 U	12 U	12 U
Acetone	50		17 JB	9.1 JHB	25 UB	19 JHB	6.7 JB	36 B
Benzene	60		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Bromodichloromethane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Bromoform	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Bromomethane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Carbon disulfide	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Carbon tetrachloride	760		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Chlorobenzene	1100		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Chloroethane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Chloroform	370		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Chloromethane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
cis-1,2-Dichloroethene	250		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
cis-1,3-Dichloropropene	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Dibromochloromethane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Ethylbenzene	1000		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Methylene chloride	50		13 JB	12 JB	15 JB	13 JB	13 JB	13 JB
Styrene	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Tetrachloroethene	1300		5.7 U	5.7 U	6.3 U	6.2 U	5.8 UH	6 U
Toluene	700		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
trans-1,2-Dichloroethene	190		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
trans-1,3-Dichloropropene	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Trichloroethene	470		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Vinyl chloride	20		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Xylenes (total)	260		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U

Notes:

B - Compound was found in the blank and sample
J - Estimated value
H - Alternate peak selection upon analytical review
U - Analyte was not detected at or above the reporting limit
NYSDEC - New York State Department of Environmental Conservation
Bold - Concentration exceeds standard
-- No Standard available
ft bls - Feet below land surface
µg/kg - Micrograms per kilogram

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Table 2. Summary of Volatile Organic Compounds Detected in Soil Samples, 551 West 21st Street

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	**Sample Designation:**	SB-1	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9
		Sample Date:	12/07/04	12/07/04	12/07/04	12/07/04	12/08/04	12/08/04	12/08/04	12/09/04	12/09/04	12/09/04
		Sample Depth (ft bls):	5-7	10-15	10-15	15-20	8-12	8-12	4-8	12-16	12-16	0-0.5
1,1,1-Trichloroethane	680		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
1,1,2,2-Tetrachloroethane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
1,1,2-Trichloroethane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
1,1-Dichloroethane	270		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
1,1-Dichloroethene	330		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
1,2-Dichloroethane	20		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
1,2-Dichloroethene	--		13 U	250 U	14 U	13 U	14 U	13 U	13 U	13 U	2800 U	11 U
1,2-Dichloropropane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
2-Butanone	120		64 U	1300 U	71 U	64 U	68 U	65 U	63 U	64 U	14000 U	55 U
2-Hexanone	--		64 U	1300 U	71 U	64 U	68 U	65 U	63 U	64 U	14000 U	55 U
4-Methyl-2-Pentanone	--		64 U	1300 U	71 U	64 U	68 U	65 U	63 U	64 U	14000 U	55 U
Acetone	50		64 U	1300 U	71 U	64 U	68 U	65 U	63 U	64 U	14000 U	**59**
Benzene	60		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	13
Bromodichloromethane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Bromoform	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Bromomethane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Carbon disulfide	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Carbon Tetrachloride	760		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Chlorobenzene	1100		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Chloroethane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Chloroform	370		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Chloromethane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
cis-1,3-Dichloropropene	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Dibromochloromethane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Ethylbenzene	1000		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	**1700**	5.5
Methylene Chloride	50		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Styrene	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Tetrachloroethene	1300		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Toluene	700		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	12	**1800**	110
trans-1,3-Dichloropropene	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Trichloroethene	470		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Vinyl Chloride	20		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Xylenes (total)	260		19 U	380 U	21 U	19 U	20 U	19 U	19 U	19 U	**5300**	16 U

µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
U - Indicates that the compound was analyzed for but not detected
-- No Standard available
NYSDEC - New York State Department of Environmental Conservation
Note:
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Table 3. Summary of Semivolatile Organic Compounds in Soil, 547-549 West 21st Street, New York, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	S-1 02/24/06 0-4	S-1 02/24/06 4-8	S-2 02/24/06 0-4	S-2 02/24/06 4-8	S-3 02/24/06 0-4	S-3 02/24/06 4-8
1,2,4-Trichlorobenzene	--		360 U	360 U	420 U	390 U	370 U	380 U
1,2-Dichlorobenzene	--		360 U	360 U	420 U	390 U	370 U	380 U
1,3-Dichlorobenzene	--		360 U	360 U	420 U	390 U	370 U	380 U
1,4-Dichlorobenzene	--		360 U	360 U	420 U	390 U	370 U	380 U
2,2'-oxybis (1-chloropropane)	--		360 U	360 U	420 U	390 U	370 U	380 U
2,4,5-Trichlorophenol	--		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
2,4,6-Trichlorophenol	--		360 U	360 U	420 U	390 U	370 U	380 U
2,4-Dichlorophenol	--		360 U	360 U	420 U	390 U	370 U	380 U
2,4-Dimethylphenol	--		360 U	360 U	420 U	390 U	370 U	380 U
2,4-Dinitrophenol	--		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
2,4-Dinitrotoluene	--		360 U	360 U	420 U	390 U	370 U	380 U
2,6-Dinitrotoluene	--		360 U	360 U	420 U	390 U	370 U	380 U
2-Chloronaphthalene	--		360 U	360 U	420 U	390 U	370 U	380 U
2-Chlorophenol	--		360 U	360 U	420 U	390 U	370 U	380 U
2-Methylnaphthalene	--		62 J	360 U	190 J	74 J	370 U	2000
2-Methylphenol	--		360 U	360 U	420 U	390 U	370 U	380 U
2-Nitroaniline	--		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
2-Nitrophenol	--		360 U	360 U	420 U	390 U	370 U	380 U
3,3'-Dichlorobenzidine	--		720 U	720 U	830 U	780 U	740 U	760 U
3-Nitroaniline	--		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
4,6-Dinitro-2-methylphenol	--		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
4-Bromophenyl phenyl ether	--		360 U	360 U	420 U	390 U	370 U	380 U
4-Chloro-3-methylphenol	--		360 U	360 U	420 U	390 U	370 U	380 U
4-Chloroaniline	--		360 U	360 U	420 U	390 U	370 U	380 U
4-Chlorophenyl phenyl ether	--		360 U	360 U	420 U	390 U	370 U	380 U
4-Methylphenol	--		360 U	360 U	420 U	390 U	370 U	420
4-Nitroaniline	--		720 U	720 U	830 U	780 U	740 U	760 U
4-Nitrophenol	--		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
Acenaphthene	20000		280 J	360 U	750	100 J	370 U	1300 H
Acenaphthylene	100000		130 J	360 U	840	390 U	370 U	380 U
Anthracene	100000		710	360 U	2500	380 J	370 U	990
Benzo[a]anthracene	1000		**2500**	120 J	**16000 D**	**1800**	92 J	870
Benzo[a]pyrene	1000		**2900**	120 J	**23000 D**	**2900**	140 J	**1400**
Benzo[b]fluoranthene	1000		**3100**	130 JM	**21000 D**	**2700**	210 JM	**1200**
Benzo[g,h,i]perylene	100000		2600	76 JM	5100 M	2600	170 J	1200
Benzo[k]fluoranthene	800		**1300**	46 JM	**5200**	**1000**	57 JM	530
Benzyl Alcohol	--		360 U	360 U	420 U	390 U	370 U	380 U
Bis(2-chloroethoxy)methane	--		360 U	360 U	420 U	390 U	370 U	380 U
Bis(2-chloroethyl) ether	--		360 U	360 U	420 U	390 U	370 U	380 U
Bis(2-ethylhexyl) phthalate	--		360 U	360 U	150 J	53 J	52 J	75 J
Butylbenzyl phthalate	--		360 U	360 U	420 U	390 U	370 U	380 U
Carbazole	--		340 J	360 U	950	160 J	370 U	380 U
Chrysene	1000		**2500**	160 J	**15000 D**	**1700**	90 J	940
Dibenzo[a,h]anthracene	330		**620**	360 U	**2300 H**	**820**	370 U	280 J
Dibenzofuran	7000		170 J	360 U	410 J	80 J	370 U	1300
Diethyl phthalate	--		360 U	360 U	420 U	390 U	370 U	380 U
Dimethyl phthalate	--		360 U	360 U	420 U	390 U	370 U	380 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, 547-549 West 21st Street, New York, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	**Sample Designation:**	S-1	S-1	S-2	S-2	S-3	S-3
		Sample Date:	02/24/06	02/24/06	02/24/06	02/24/06	02/24/06	02/24/06
		Sample Depth (ft bls):	0-4	4-8	0-4	4-8	0-4	4-8
Di-n-butyl phthalate	--		360 U	360 U	420 U	390 U	370 U	380 U
Di-n-octyl phthalate	--		360 U	360 U	420 U	390 U	370 U	380 U
Fluoranthene	100000		3600	160 J	16000 D	1700	100 J	1500 H
Fluorene	30000		210 J	360 U	490	100 J	370 U	2800
Hexachlorobenzene	330		360 U	360 U	420 U	390 U	370 U	380 U
Hexachlorobutadiene	--		360 U	360 U	420 U	390 U	370 U	380 U
Hexachlorocyclopentadiene	--		360 U	360 U	420 U	390 U	370 U	380 U
Hexachloroethane	--		360 U	360 U	420 U	390 U	370 U	380 U
Indeno[1,2,3-cd]pyrene	500		**2300**	58 J	**6600**	**2500**	130 J	**1100**
Isophorone	--		360 U	360 U	420 U	390 U	370 U	380 U
Naphthalene	12000		110 J	360 U	620	120 J	370 U	1100
Nitrobenzene	--		360 U	360 U	420 U	390 U	370 U	380 U
n-Nitrosodi-n-propylamine	--		360 U	360 U	420 U	390 U	370 U	380 U
n-Nitrosodiphenylamine	--		360 U	360 U	420 U	390 U	370 U	380 U
Pentachlorophenol	800		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
Phenanthrene	100000		2800	160 J	6100	910	76 J	5300
Phenol	330		360 U	360 U	420 U	390 U	370 U	380 U
Pyrene	100000		4100	190 J	19000 D	1900	98 J	1600

Notes:

D - Analysis of secondary sample dilution
J - Estimated value
H - Alternate peak selection upon analytical review
M - Manually integrated compound
U - Analyte was not detected at or above the reporting limit
NYSDEC - New York State Department of Environmental Conservation
Bold - Concentration exceeds standard
-- - No Standard available
ft bls - Feet below land surface
µg/kg - Micrograms per kilogram

Table 4. Summary of Semivolatile Organic Compounds Detected in Soil Samples, 551 West 21st Street

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	**Sample Designation:**	SB-1	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
		Sample Date:	12/07/04	12/07/04	12/07/04	12/07/04	12/08/04	12/08/04	12/08/04	12/09/04	12/09/04
		Sample Depth (ft bls):	5-7	10-15	10-15	15-20	8-12	8-12	4-8	12-16	12-16
1,2,4-Trichlorobenzene	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
1,2-Dichlorobenzene	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
1,3-Dichlorobenzene	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
1,4-Dichlorobenzene	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
2,4,5-Trichlorophenol	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
2,4,6-Trichlorophenol	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
2,4-Dichlorophenol	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
2,4-Dimethylphenol	--		38 U	950	66	38 U	200 U	39 U	190 U	38 U	1000
2,4-Dinitrophenol	--		380 U	1900 U	430 U	380 U	2000 U	390 U	1900 U	380 U	2100 U
2,4-Dinitrotoluene	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
2,6-Dinitrotoluene	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
2-Chloronaphthalene	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
2-Chlorophenol	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
2-Methyl-4,6-dinitrophenol	--		380 U	1900 U	430 U	380 U	2000 U	390 U	1900 U	380 U	2100 U
2-Methylnaphthalene	--		38 U	5600	47	38 U	230	39 U	190 U	38 U	11000
2-Methylphenol	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	460
2-Nitroaniline	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
2-Nitrophenol	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
3,3'-Dichlorobenzidine	--		380 U	38000 U	430 U	380 U	2000 U	390 U	1900 U	380 U	4200 U
3-Nitroaniline	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
4-Bromophenyl phenyl ether	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
4-Chloro-3-methylphenol	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
4-Chloroaniline	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
4-Chlorophenyl phenyl ether	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
4-Methylphenol	--		38 U	1400	1000	38 U	960	270	190 U	38 U	1600
4-Nitroaniline	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
4-Nitrophenol	--		380 U	1900 U	430 U	380 U	2000 U	390 U	1900 U	380 U	2100 U
Acenaphthene	20,000		38 U	**36000**	46	38 U	550	39 U	190 U	38 U	8100
Acenaphthylene	100,000		38 U	7900	43 U	38 U	200 U	39 U	190 U	38 U	2400
Anthracene	100,000		38 U	56000	43 U	38 U	1400	42	190 U	38 U	8300
Benzo[a]anthracene	1,000		99	**31000**	43 U	38 U	**3200**	160	680	38 U	**7200**
Benzo[a]pyrene	1,000		170	**21000**	43 U	38 U	**4700**	160	**1100**	38 U	**7400**
Benzo[b]fluoranthene	1,000		110	**15000**	43 U	38 U	**3800**	140	740	38 U	**6000**
Benzo[g,h,i]perylene	100,000		110	4800	43 U	38 U	2200	180	530	38 U	2500
Benzo[k]fluoranthene	800		110	**15000**	43 U	38 U	**3800**	140	740	38 U	**6000**
Bis(2-chloroethoxy)methane	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
Bis(2-chloroethyl) ether	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
Bis(2-chloroisopropyl) ether	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
Bis(2-ethylhexyl) phthalate	--		38 U	3800 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
Butylbenzyl phthalate	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
Carbazole	--		38 U	7000	43 U	38 U	640	39 U	190 U	38 U	3800

Table 4. Summary of Semivolatile Organic Compounds Detected in Soil Samples, 551 West 21st Street

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	**Sample Designation:**	SB-1	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8
		Sample Date:	12/07/04	12/07/04	12/07/04	12/07/04	12/08/04	12/08/04	12/08/04	12/09/04	12/09/04
		Sample Depth (ft bls):	5-7	10-15	10-15	15-20	8-12	8-12	4-8	12-16	12-16
Chrysene	1000		91	**28000**	43 U	38 U	**3200**	140	590	38 U	**6300**
Di-n-Butyl Phthalate	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
Di-n-octyl Phthalate	--		38 U	3800 U	43 U	38 U	200 U	39 U	190 U	38 U	420 U
Dibenzo[a,h]anthracene	330		38 U	3800 U	43 U	38 U	**590**	51	190	38 U	**740**
Dibenzofuran	7,000		38 U	**33000**	43 U	38 U	230	39 U	190 U	38 U	6300
Diethyl Phthalate	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
Dimethyl Phthalate	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
Fluoranthene	100,000		130	65000	43 U	38 U	3400	130	680	38 U	12000
Fluorene	30,000		38 U	**43000**	43 U	38 U	570	39 U	190 U	38 U	9300
Hexachlorobenzene	330		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
Hexachlorobutadiene	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
Hexachlorocyclopentadiene	--		380 U	1900 U	430 U	380 U	2000 U	390 U	1900 U	380 U	2100 U
Hexachloroethane	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
Indeno[1,2,3-cd]pyrene	500		110	**4600**	43 U	38 U	**1600**	130	**560**	38 U	**2100**
Isophorone	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
N-Nitrosodi-n-propylamine	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
N-Nitrosodiphenylamine	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
Naphthalene	12,000		38 U	**13000**	240	38 U	420	39 U	190 U	38 U	**18000**
Nitrobenzene	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U
Pentachlorophenol	800		380 U	1900 U	430 U	380 U	2000 U	390 U	1900 U	380 U	2100 U
Phenanthrene	100,000		92	**125000**	43	38 U	2800	92	440	38 U	17000
Phenol	330		38 U	**460**	43 U	38 U	200 U	39 U	190 U	38 U	**530**
Pyrene	100,000		110	65000	43 U	38 U	5100	320	590	38 U	13000

µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
U - Indicates that the compound was analyzed for but not detected
NYSDEC - New York State Department of Environmental Conservation
-- No Standard available
Note:
Bold data indicates that parameter was detected above
the NYSDEC Part 375 Unrestricted Use Standards

Table 4. Summary of Semivolatile Organic Compounds Detected in Soil Samples, 551 West 21st Street

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	**Sample Designation:**	SB-9
		Sample Date:	12/09/04
		Sample Depth (ft bls):	0-0.5
1,2,4-Trichlorobenzene	--		160 U
1,2-Dichlorobenzene	--		160 U
1,3-Dichlorobenzene	--		160 U
1,4-Dichlorobenzene	--		160 U
2,4,5-Trichlorophenol	--		160 U
2,4,6-Trichlorophenol	--		160 U
2,4-Dichlorophenol	--		160 U
2,4-Dimethylphenol	--		160 U
2,4-Dinitrophenol	--		1600 U
2,4-Dinitrotoluene	--		160 U
2,6-Dinitrotoluene	--		160 U
2-Chloronaphthalene	--		160 U
2-Chlorophenol	--		160 U
2-Methyl-4,6-dinitrophenol	--		1600 U
2-Methylnaphthalene	--		360
2-Methylphenol	--		160 U
2-Nitroaniline	--		160 U
2-Nitrophenol	--		160 U
3,3'-Dichlorobenzidine	--		1600 U
3-Nitroaniline	--		160 U
4-Bromophenyl phenyl ether	--		160 U
4-Chloro-3-methylphenol	--		160 U
4-Chloroaniline	--		160 U
4-Chlorophenyl phenyl ether	--		160 U
4-Methylphenol	--		160 U
4-Nitroaniline	--		160 U
4-Nitrophenol	--		1600 U
Acenaphthene	20,000		160 U
Acenaphthylene	100,000		160 U
Anthracene	100,000		160 U
Benzo[a]anthracene	1,000		160 U
Benzo[a]pyrene	1,000		160 U
Benzo[b]fluoranthene	1,000		160 U
Benzo[g,h,i]perylene	100,000		160 U
Benzo[k]fluoranthene	800		160 U
Bis(2-chloroethoxy)methane	--		160 U
Bis(2-chloroethyl) ether	--		160 U
Bis(2-chloroisopropyl) ether	--		160 U
Bis(2-ethylhexyl) phthalate	--		160 U
Butylbenzyl phthalate	--		160 U
Carbazole	--		160 U

Table 4. Summary of Semivolatile Organic Compounds Detected in Soil Samples, 551 West 21st Street

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	**Sample Designation:**	SB-9
		Sample Date:	12/09/04
		Sample Depth (ft bls):	0-0.5
Chrysene	1000		190
Di-n-Butyl Phthalate	--		160 U
Di-n-octyl Phthalate	--		160 U
Dibenzo[a,h]anthracene	330		160 U
Dibenzofuran	7,000		160 U
Diethyl Phthalate	--		160 U
Dimethyl Phthalate	--		160 U
Fluoranthene	100,000		160 U
Fluorene	30,000		160 U
Hexachlorobenzene	330		160 U
Hexachlorobutadiene	--		160 U
Hexachlorocyclopentadiene	--		1600 U
Hexachloroethane	--		160 U
Indeno[1,2,3-cd]pyrene	500		160 U
Isophorone	--		160 U
N-Nitrosodi-n-propylamine	--		160 U
N-Nitrosodiphenylamine	--		160 U
Naphthalene	12,000		160 U
Nitrobenzene	--		160 U
Pentachlorophenol	800		1600 U
Phenanthrene	100,000		440
Phenol	330		160 U
Pyrene	100,000		240

µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
U - Indicates that the compound was analyzed for but not detected
NYSDEC - New York State Department of Environmental Conservation
-- No Standard available
Note:
Bold data indicates that parameter was detected above
the NYSDEC Part 375 Unrestricted Use Standards

Table 5. Summary of Metals in Soil, 547-549 West 21st Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	S-1 02/24/06 0-4	S-1 02/24/06 4-8	S-2 02/24/06 0-4	S-2 02/24/06 4-8	S-3 02/24/06 0-4	S-3 02/24/06 4-8
Aluminum	--		9160	9000	6040	8320	8540	6350
Antimony	--		9 BN	12.1 UN	3.1 BN	12.7 UN	14.9 UN	13.9 UN
Arsenic	13		8 B	2.9 B	**17.7**	5.9 B	4.9 B	3.5 B
Barium	350		86.7 N	74.1 N	325 N	94.8 N	105 N	75.7 N
Beryllium	7.2		2.3 UN	2.1 UN	2.8 UN	2.2 UN	2.5 UN	2.4 UN
Cadmium	2.5		3.5 U	3.1 U	4.2 U	3.3 U	3.8 U	3.6 U
Calcium	--		29600 *	7320 *	7610 *	11400 *	3270 *	38100 *
Chromium	30		12 *N	18.2 *N	9.5 *N	14.5 *N	14.2 *N	15.1 *N
Cobalt	--		3.8 N	7.2 N	5.5 N	5.4 N	5.3 N	5.6 N
Copper	50		**77.9 *N**	42.1 *N	**81.7 *N**	24.6 *N	21.4 *N	18.1 *N
Iron	--		10100	13000	12300	17200	15200	12600
Lead	63		**743**	**112**	**280**	**174**	**202**	**144**
Magnesium	--		5660	3420	1230	2890	2680	3560
Manganese	1600		209	263	175	263	223	398
Mercury	0.18		**0.35**	**1.2**	**1.9**	**2.2**	**0.46**	**0.23**
Nickel	30		11.3 N	**30.4 N**	11.9 N	14.5 N	12.9 N	25.2 N
Potassium	--		1310	1310	1090	891	1240	1510
Selenium	3.9		18.7 U	16.6 U	22.3 U	17.4 U	20.3 U	19 U
Silver	2		0.49 BN	3.1 UN	4.2 UN	3.3 UN	3.8 UN	3.6 UN
Sodium	--		1370	465	775	325	431	272
Thallium	--		11.7 UN	10.4 UN	13.9 UN	10.9 UN	12.7 UN	11.9 UN
Vanadium	--		17.5 N	21.6 N	22.2 N	22.7 N	21.8 N	17.1 N
Zinc	109		**645**	76	**177**	94	53.5	38.2

Notes:

* - Batch QC exceeds upper or lower control limits
B - Less than CRDL/RL, greater than or equal to the IDL/MDL
N - Spike recovery exceeds upper or lower control limits
U - Analyte was not detected at or above the reporting limit
NYSDEC - New York State Department of Environmental Conservation
Bold - Concentration exceeds standard
-- No Standard available
ft bls - Feet below land surface
mg/kg - Milligrams per kilogram

Table 6. Summary of Metals Detected in Soil Samples, 551 West 21st Street

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	**Sample Designation:**	SB-1	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9
		Sample Date:	12/07/04	12/07/04	12/07/04	12/07/04	12/08/04	12/08/04	12/08/04	12/09/04	12/09/04	12/09/04
		Sample Depth (ft bls):	5-7	10-15	10-15	15-20	8-12	8-12	4-8	12-16	12-16	0-0.5
Aluminum	--		6500	5500	6100	6500	5100	6400	6800	9600	6000	3100
Antimony	--		2.6 U	1.3 U	1.4 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.4 U	1.1 U
Arsenic	13		**26**	9.1	10	2.8	7.3	10	8.3	5.9	11	5.3
Barium	350		240	150	190	38	100	120	120	210	290	59
Beryllium	7.2		0.59	0.35	0.39	0.26	0.38	0.42	0.39	0.32	0.57	0.11 U
Cadmium	2.5		0.85	1.1	0.87	0.68	0.84	0.92	0.88	0.94	0.89	**2.6**
Calcium	--		5800	30000	16000	4600	11000	11000	6400	2600	9700	15000
Chromium	30		17	11	14	11	11	13	12	19	12	26
Cobalt	--		6.3	6.1	5.6	4.9	5.4	6.8	5.6	9.1	6.8	7.3
Copper	50		**95**	36	39	11	28	25	29	28	33	**71**
Iron	--		12000	16000	12000	12000	11000	14000	12000	15000	12000	32000
Lead	63		**1100**	**350**	**700**	44	**350**	**250**	**150**	**120**	**280**	**120**
Magnesium	--		15	2300	3100	2900	2300	2500	2400	4700	2400	800
Manganese	1600		180	240	300	180	230	290	200	310	240	250
Mercury	0.18		**1.8**	**0.4**	**1.3**	0.049	**0.2**	0.17	**0.29**	0.17	**0.49**	0.038
Nickel	30		14	14	12	11	12	16	14	15	14	**78**
Potassium	--		1100	1300	1300	740	1100	1100	980	4200	1100	1500
Selenium	3.9		1.7	1.5	1.4	0.51 U	0.65	0.55	0.5 U	0.51 U	1.1	0.44 U
Silver	2		**3.1**	0.63 U	0.71 U	0.64 U	0.68 U	0.65 U	1.3	0.64 U	0.69 U	**5.1**
Sodium	--		1300	1200	1600	1100	760	520	240	820	1100	790
Thallium	--		1.3 U	0.5 U	1.4 U	1.3 U	1.4 U	1.3 U	0.5 U	6.4 U	1.4 U	1.1 U
Vanadium	--		26	15	19	13	14	18	18	28	18	**1100**
Zinc	109		**140**	95	**130**	38	76	84	**140**	62	**140**	**130**

mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
U - Indicates that the compound was analyzed for but not detected
NYSDEC - New York State Department of Environmental Conservation
-- No Standard available
Note:
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Table 7. Summary of Volatile Organic Compounds in Groundwater, 547-549 West 21st Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 02/24/06
1,1,1-Trichloroethane	5		5 U
1,1,2,2-Tetrachloroethane	5		5 U
1,1,2-Trichloroethane	1		5 U
1,1-Dichloroethane	5		5 U
1,1-Dichloroethene	5		5 U
1,2-Dichloroethane	0.6		5 U
1,2-Dichloropropane	1		5 U
2-Butanone (MEK)	50		10 U
2-Hexanone	50		10 U
4-Methyl-2-pentanone (MIBK)	--		10 U
Acetone	50		2.2 J
Benzene	1		0.72 J
Bromodichloromethane	50		5 U
Bromoform	50		5 U
Bromomethane	5		5 U
Carbon disulfide	--		5 U
Carbon tetrachloride	5		5 U
Chlorobenzene	5		5 U
Chloroethane	5		5 U
Chloroform	7		5 U
Chloromethane	--		5 U
cis-1,2-Dichloroethene	5		5 U
cis-1,3-Dichloropropene	--		5 U
Dibromochloromethane	50		5 U
Ethylbenzene	5		5 U
Methylene chloride	5		5 U
Styrene	5		5 U
Tetrachloroethene	5		0.66 J
Toluene	5		0.78 J
trans-1,2-Dichloroethene	5		5 U
trans-1,3-Dichloropropene	--		5 U
Trichloroethene	5		5 U
Vinyl chloride	2		5 U
Xylenes (total)	5		2.1 J

Notes:

J - Estimated value
U - Analyte was not detected at or above the reporting limit
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
-- - - No NYSDEC AWQSGV available
µg/L - Micrograms per liter

Table 8. Summary of Volatile Organic Compounds Detected in Groundwater Samples, 551 West 21st Street

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs[1] (µg/L)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-2 12/07/04 10-15	SB-4 12/08/04 10-14	SB-6 12/08/04 10-14	SB-7 12/09/04 10-14
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U
1,2-Dichloroethene	5		2 U	2 U	2 U	2 U
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U
2-Butanone	(50)		10 U	10 U	10 U	10 U
2-Hexanone	(50)		10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	--		10 U	10 U	10 U	10 U
Acetone	50		10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U
Carbon disulfide	--		1 U	1 U	1 U	1 U
Carbon Tetrachloride	5		1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U
Chloromethane	5		1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	5		1 U	1 U	1 U	1 U
Dibromochloromethane	(50)		1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U
Methylene Chloride	5		1 U	1 U	**30**	1 U
Styrene	5		1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	5		1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U
Vinyl Chloride	2		1 U	1 U	1 U	1 U
Xylenes (total)	5		3 U	3 U	3 U	3 U

µg/L - Micrograms per liter
U - Indicates compound analyzed for but not detected
[1] - New York State Department of Environmental Conservation (NYSDEC) Ambient Water-Quality Standards and Guidance Values (AWQSGVs) NYS Standards and Guidance Values taken from June, 1998 New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1.), Ambient Water Quality Standards and Guidance Values. Guidance Values are shown in parentheses.
-- - No Standard available

Note:
Bold data indicates that parameter was detected above the NYSDEC AWSQGVs

Table 9. Summary of Semivolatile Organic Compounds in Groundwater, 547-549 West 21st Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 02/24/06
1,2,4-Trichlorobenzene	5		10 U
1,2-Dichlorobenzene	3		10 U
1,3-Dichlorobenzene	3		10 U
1,4-Dichlorobenzene	3		10 U
2,2'-oxybis (1-chloropropane)	--		10 U
2,4,5-Trichlorophenol	--		50 U
2,4,6-Trichlorophenol	--		10 U
2,4-Dichlorophenol	5		10 U
2,4-Dimethylphenol	50		10 U
2,4-Dinitrophenol	10		50 U
2,4-Dinitrotoluene	5		10 U
2,6-Dinitrotoluene	5		10 U
2-Chloronaphthalene	10		10 U
2-Chlorophenol	--		10 U
2-Methylnaphthalene	--		15
2-Methylphenol	--		10 U
2-Nitroaniline	5		50 U
2-Nitrophenol	--		10 U
3,3'-Dichlorobenzidine	5		20 U
3-Nitroaniline	5		50 U
4,6-Dinitro-2-methylphenol	--		50 U
4-Bromophenyl phenyl ether	--		10 U
4-Chloro-3-methylphenol	--		10 U
4-Chloroaniline	5		10 U
4-Chlorophenyl phenyl ether	--		10 U
4-Methylphenol	--		10 U
4-Nitroaniline	5		20 U
4-Nitrophenol	--		50 U
Acenaphthene	20		3 J
Acenaphthylene	--		10 U
Anthracene	50		1 J
Benzo[a]anthracene	0.002		**2 J**
Benzo[a]pyrene	ND		**3 J**
Benzo[b]fluoranthene	0.002		**3 J**
Benzo[g,h,i]perylene	--		2 J
Benzo[k]fluoranthene	0.002		10 U
Benzyl Alcohol	--		10 U
Bis(2-chloroethoxy)methane	5		10 U
Bis(2-chloroethyl) ether	1		10 U
Bis(2-ethylhexyl) phthalate	5		10 U
Butylbenzyl phthalate	50		10 U
Carbazole	--		10 U
Chrysene	0.002		**2 J**
Dibenzo[a,h]anthracene	--		10 U
Dibenzofuran	--		1 J
Diethyl phthalate	50		10 U

Table 9. Summary of Semivolatile Organic Compounds in Groundwater, 547-549 West 21st Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 02/24/06
Dimethyl phthalate	50		10 U
Di-n-butyl phthalate	50		10 U
Di-n-octyl phthalate	50		10 U
Fluoranthene	50		2 J
Fluorene	50		3 J
Hexachlorobenzene	0.04		10 U
Hexachlorobutadiene	0.5		10 U
Hexachlorocyclopentadiene	5		10 U
Hexachloroethane	5		10 U
Indeno[1,2,3-cd]pyrene	0.002		**1 J**
Isophorone	50		10 U
Naphthalene	10		8 J
Nitrobenzene	0.4		10 U
n-Nitrosodi-n-propylamine	--		10 U
n-Nitrosodiphenylamine	50		10 U
Pentachlorophenol	1		50 U
Phenanthrene	50		4 J
Phenol	1		10 U
Pyrene	50		2 J

Notes:

J - Estimated value
U - Analyte was not detected at or above the reporting limit
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
-- - No NYSDEC AWQSGV available
Bold - Concentration exceeds NYSDEC AWQSGVs
µg/L - Micrograms per liter

Table 10. Summary of Semivolatile Organic Compounds Detected in Groundwater Samples, 551 West 21st Street

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs[1] (µg/L)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-2 12/07/04 10-15	SB-4 12/08/04 10-14	SB-6 12/08/04 10-14	SB-7 12/09/04 10-14
1,2,4-Trichlorobenzene	(5)		1 U	10 U	1 U	1 U
1,2-Dichlorobenzene	3		1 U	10 U	1 U	1 U
1,3-Dichlorobenzene	3		1 U	10 U	1 U	1 U
1,4-Dichlorobenzene	3		1 U	10 U	1 U	1 U
2,4,5-Trichlorophenol	--		1 U	10 U	1 U	1 U
2,4,6-Trichlorophenol	--		1 U	10 U	1 U	1 U
2,4-Dichlorophenol	5		1 U	10 U	1 U	1 U
2,4-Dimethylphenol	(50)		1 U	10 U	1 U	1 U
2,4-Dinitrophenol	(10)		10 U	100 U	10 U	10 U
2,4-Dinitrotoluene	5		1 U	10 U	1 U	1 U
2,6-Dinitrotoluene	5		1 U	10 U	1 U	1 U
2-Chloronaphthalene	(10)		1 U	10 U	1 U	1 U
2-Chlorophenol	--		1 U	10 U	1 U	1 U
2-Methyl-4,6-dinitrophenol	--		10 U	100 U	10 U	10 U
2-Methylnaphthalene	--		1 U	10 U	1 U	1 U
2-Methylphenol	--		1 U	10 U	1 U	1 U
2-Nitroaniline	5		1 U	10 U	1 U	1 U
2-Nitrophenol	--		1 U	10 U	1 U	1 U
3,3'-Dichlorobenzidine	5		10 U	100 U	10 U	10 U
3-Nitroaniline	5		1 U	10 U	1 U	1 U
4-Bromophenyl phenyl ether	--		1 U	10 U	1 U	1 U
4-Chloro-3-methylphenol	--		1 U	10 U	1 U	1 U
4-Chloroaniline	5		1 U	10 U	1 U	1 U
4-Chlorophenyl phenyl ether	--		1 U	10 U	1 U	1 U
4-Methylphenol	--		1 U	10 U	1 U	1 U
4-Nitroaniline	5		1 U	10 U	1 U	1 U
4-Nitrophenol	--		10 U	100 U	10 U	10 U
Acenaphthene	(20)		1 U	10 U	1 U	1 U
Acenaphthylene	--		1 U	10 U	1 U	1 U
Anthracene	(50)		1 U	10	1 U	1 U
Benzo[a]anthracene	(0.002)		**1**	**34**	1 U	1 U
Benzo[a]pyrene	--		2	50	1 U	1 U
Benzo[b]fluoranthene	(0.002)		**1.7**	**32**	1 U	1 U
Benzo[g,h,i]perylene	--		1	18	1 U	1 U
Benzo[k]fluoranthene	(0.002)		**1.7**	**32**	1 U	1 U
Bis(2-chloroethoxy)methane	5		1 U	10 U	1 U	1 U
Bis(2-chloroethyl) ether	1		1 U	10 U	1 U	1 U
Bis(2-chloroisopropyl) ether	5		1 U	10 U	1 U	1 U
Bis(2-ethylhexyl) phthalate	5		1	10 U	1 U	1 U
Butylbenzyl phthalate	(50)		1 U	10 U	1 U	1 U
Carbazole	--		1 U	10 U	1 U	1 U
Chrysene	(0.002)		**1**	**32**	1 U	1 U

Table 10. Summary of Semivolatile Organic Compounds Detected in Groundwater Samples, 551 West 21st Street

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs[1] (µg/L)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-2 12/07/04 10-15	SB-4 12/08/04 10-14	SB-6 12/08/04 10-14	SB-7 12/09/04 10-14
Di-n-Butyl Phthalate	--		1 U	10 U	1 U	1 U
Di-n-octyl Phthalate	(50)		1 U	10 U	1 U	1 U
Dibenzo[a,h]anthracene	--		1 U	10 U	1 U	1 U
Dibenzofuran	--		1 U	10 U	1 U	1 U
Diethyl Phthalate	(50)		1 U	10 U	1 U	1 U
Dimethyl Phthalate	50		1 U	10 U	1 U	1 U
Fluoranthene	(50)		2	32	1 U	1 U
Fluorene	(50)		1 U	10 U	1 U	1 U
Hexachlorobenzene	0.04		1 U	10 U	1 U	1 U
Hexachlorobutadiene	0.5		1 U	10 U	1 U	1 U
Hexachlorocyclopentadiene	--		10 U	100 U	10 U	10 U
Hexachloroethane	--		1 U	10 U	1 U	1 U
Indeno[1,2,3-cd]pyrene	(0.002)		**1**	**16**	1 U	1 U
Isophorone	50		1 U	10 U	1 U	1 U
N-Nitrosodi-n-propylamine	--		1 U	10 U	1 U	1 U
N-Nitrosodiphenylamine	50		1 U	10 U	1 U	1 U
Naphthalene	(10)		1 U	10 U	1 U	1 U
Nitrobenzene	0.4		1 U	10 U	1 U	1 U
Pentachlorophenol	--		10 U	100 U	10 U	10 U
Phenanthrene	(50)		1	24	1 U	1 U
Phenol	1		1 U	10 U	1 U	1 U
Pyrene	(50)		2	36	1 U	1 U

µg/L - Micrograms per liter
U - Indicates compound analyzed for but not detected
[1] - New York State Department of Environmental Conservation (NYSDEC) Ambient Water-Quality Standards and Guidance Values (AWQSGVs) NYS Standards and Guidance Values taken from June, 1998 New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1.), Ambient Water Quality Standards and Guidance Values. Guidance Values are shown in parentheses.
-- - No Standard available

Note:
Bold data indicates that parameter was detected above the NYSDEC AWSQGVs

Table 11. Summary of Metals in Groundwater, 547-549 West 21st Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:** **Filtered/Unfiltered:**	GW-1 02/24/06 Unfiltered	GW-1 02/24/06 Filtered
Aluminum	--		27400	500 U
Antimony	3		20 U	20 U
Arsenic	25		**81**	11.2 B
Barium	1000		**3030**	84.6
Beryllium	3		**5.1**	5 U
Cadmium	5		10 U	10 U
Calcium	--		209000	97100
Chromium	50		47	10 U
Cobalt	--		17.1	10 U
Copper	200		17.2	10 U
Iron	--		36500	200 U
Lead	25		**433**	10 U
Magnesium	--		46700	38000
Manganese	300		**2370**	**473**
Mercury	0.7		0.2 U	0.2 U
Nickel	100		38.4	10 U
Potassium	--		42700	33500
Selenium	10		30 UN	30 UN
Silver	50		6 U	6 U
Sodium	20000		**149000**	**141000**
Thallium	0.5		40 U	40 U
Vanadium	--		201	9.8
Zinc	2000		349	50 U

Notes:

B - Estimated value
N - Spike recovery exceeds the upper or lower control limits
U - Indicates that the compound was analyzed for but not detected
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
-- - No NYSDEC AWQSGV available
Bold - Concentration exceeds NYSDEC AWQSGVs
µg/L - Micrograms per liter

Table 12. Summary of Metals Detected in Groundwater Samples, 551 West 21st Street

Parameter (Concentrations in mg/L)	NYSDEC AWQSGVs[1] (mg/L)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-2 12/07/04 10-15	SB-4 12/08/04 10-14	SB-6 12/08/04 10-14	SB-7 12/09/04 10-14
Aluminum	--		33	5	13	2
Antimony	(0.003)		0.01 U	0.01 U	0.01 U	0.01 U
Arsenic	0.025		**0.04**	0.017	**0.046**	0.018
Barium	1		**1.1**	0.29	1	0.85
Beryllium	(0.003)		0.002	0.001 U	0.001	0.001 U
Cadmium	0.005		**0.008**	0.005 U	0.005 U	0.005 U
Calcium	--		290	87	68	81
Chromium	0.05		**0.068**	0.01	0.034	0.006
Cobalt	--		0.031	0.006	0.013	0.005 U
Copper	0.2		0.19	0.07	0.11	0.01
Iron	0.3		**47**	**14**	**18**	**2.5**
Lead	0.025		**1.5**	**0.14**	**5.1**	**0.07**
Magnesium	35		**180**	**130**	**60**	**79**
Manganese	0.3		**1.2**	**0.39**	**0.32**	0.23
Mercury	0.0007		**0.0063**	**0.0018**	**0.017**	0.001 U
Nickel	0.1		0.06	0.01	0.03	0.01 U
Potassium	--		71	88	47	57
Selenium	0.01		0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.05		0.005 U	0.005 U	0.005 U	0.005 U
Sodium	20		**490**	**880**	**430**	**520**
Thallium	0.012		0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	--		0.094	0.014	0.057	0.009
Zinc	2		0.53	0.23	0.35	0.2

mg/L - Milligrams per liter
U - Indicates compound analyzed for but not detected
[1] - New York State Department of Environmental Conservation (NYSDEC) Ambient Water-Quality Standards and Guidance Values (AWQSGVs) NYS Standards and Guidance Values taken from June, 1998 New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1.), Ambient Water Quality Standards and Guidance Values. Guidance Values are shown in parentheses.
-- - No Standard available

Note:
Bold data indicates that parameter was detected above the NYSDEC AWSQGVs

Table 13. Summary of Volatile Organic Compounds in Soil Vapor Samples, 551 West 21st Street, New York, New York

Parameter (Concentrations in ug/m3)	NYSDOH Soil Vapor/Air Guidance Values ug/m3	USEPA OSWER Draft Generic Screening Levels (ug/m3)	**Sample Designation:**	SV-1	SV-2	SV-3
			Sample Date:	8/24/2012	8/24/2012	8/28/2012
1,1,1-Trichloroethane	100	--		1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	--	--		1.4 U	1.4 U	1.4 U
1,1,2-Trichloroethane	--	--		1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	--	--		0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	--	--		0.79 U	0.79 U	0.79 U
1,2-Dibromoethane	--	--		1.5 U	1.5 U	1.5 U
1,2-Dichloroethane	--	--		0.81 U	0.81 U	0.81 U
1,2-Dichloroethene (total)	--	--		0.79 U	0.79 U	0.79 U
1,2-Dichloropropane	--	--		0.92 U	0.92 U	0.92 U
1,3,5-Trimethylbenzene	--	--		2.7	1.7	1.1
1,3-BUTADIENE	--	--		0.44 U	0.44 U	0.44 U
3-Chloropropene	--	--		1.6 U	1.6 U	1.6 U
4-ETHYLTOLUENE	--	--		2.7	1.6	0.98 U
Benzene	--	3.1		0.9	2.2	0.64 U
Bromodichloromethane	--	1.4		1.3 U	1.3 U	1.3 U
Bromoethene	--	--		0.87 U	0.87 U	0.87 U
Bromoform	--	22		2.1 U	2.1 U	2.1 U
Bromomethane	--	--		0.78 U	0.78 U	0.78 U
Carbon tetrachloride	5	1.6		1.3 U	1.3 U	1.3 U
Chloroethane	--	--		1.3 U	1.3 U	1.3 U
Chloroform	--	1.1		8	7.3	1.4
cis-1,2-Dichloroethene	--	350		0.79 U	0.79 U	0.79 U
cis-1,3-Dichloropropene	--	--		0.91 U	0.91 U	0.91 U
CYCLOHEXANE	--	--		0.69 U	0.99	1.9
Dibromochloromethane	--	--		1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	--	2000		2.5 U	2.5 U	2.5 U
Ethylbenzene	--	22		10	8.2	1.8
Freon 114	--	--		1.4 U	1.4 U	1.4 U
Isooctane	--	--		1.7	1.5	0.93 U
m+p-Xylene	--	70000		49	39	7.4
Methylene chloride	60	52		4.2	35	6.5
MTBE	--	30000		0.72 U	0.72 U	0.72 U
N-HEPTANE	--	--		0.86	1.1	0.82 U
N-HEXANE	--	--		0.70 U	0.96	1.1
o-Xylene	--	70000		23	17	3.4
Tetrachloroethene	100	8.1		1.4 U	2.2	**22**

Table 13. Summary of Volatile Organic Compounds in Soil Vapor Samples, 551 West 21st Street, New York, New York

Parameter (Concentrations in ug/m3)	NYSDOH Soil Vapor/Air Guidance Values ug/m3	USEPA OSWER Draft Generic Screening Levels (ug/m3)	**Sample Designation:**	SV-1	SV-2	SV-3
			Sample Date:	8/24/2012	8/24/2012	8/28/2012
Toluene	--	4000		24	24	15
trans-1,2-Dichloroethene	--	--		0.79 U	0.79 U	0.79 U
trans-1,3-Dichloropropene	--	--		0.91 U	0.91 U	0.91 U
Trichloroethene	5	0.2		1.1 U	1.1 U	1.1 U
Trichlorofluoromethane	--	7000		1.5	1.4	1.4
Vinyl chloride	--	2.8		0.51 U	0.51 U	0.51 U
Xylenes (total)	--	--		72	55	11

J - Estimated value
E - Indicates value exceeded calibration range
U - Indicates that the compound was analyzed for but not detected
ug/m3 - Micrograms per cubic meter
Bold data indicates that parameter was detected

FIGURES

1. Site Location Map
2. Land Use Map
3. Sample Location Map

QUADRANGLE LOCATION

N

0 2000'

SOURCE:
USGS; 1981, Jersey City, NY-NJ
7.5 Minute Topographic Quadrangle

Title:

SITE LOCATION MAP

547-549 & 551 WEST 21ST STREET
NEW YORK, NEW YORK

Prepared for:

551 WEST 21ST STREET LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: B.H.	Date: 24SEP12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	1
Project Mgr.: N.E.	Project No.: 2127.0001Y000	
File: 2127.0001Y102.01.CDR		

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N

LEGEND

- ONE & TWO FAMILY RESIDENCE
- MULTI-FAMIL RESIDENCE (WALKUP)
- MULTI-FAMILY RESIDENCE (ELEVATOR)
- MIXED RESIDENTIAL & COMMERCIAL
- COMMERCIAL USE
- INDUSTRIAL / MANUFACTURING
- TRANSPORTATION / UTILITY
- PUBLIC FACILITIES AND INSTITUTIONS
- OPEN SPACE & RECREATION
- PARKING
- VACANT LAND

SOURCE

NYC.GOV/ZOLA IMAGE

Title:

LAND USE MAP

547-549 & 551 WEST 21ST STREET
NEW YORK, NEW YORK

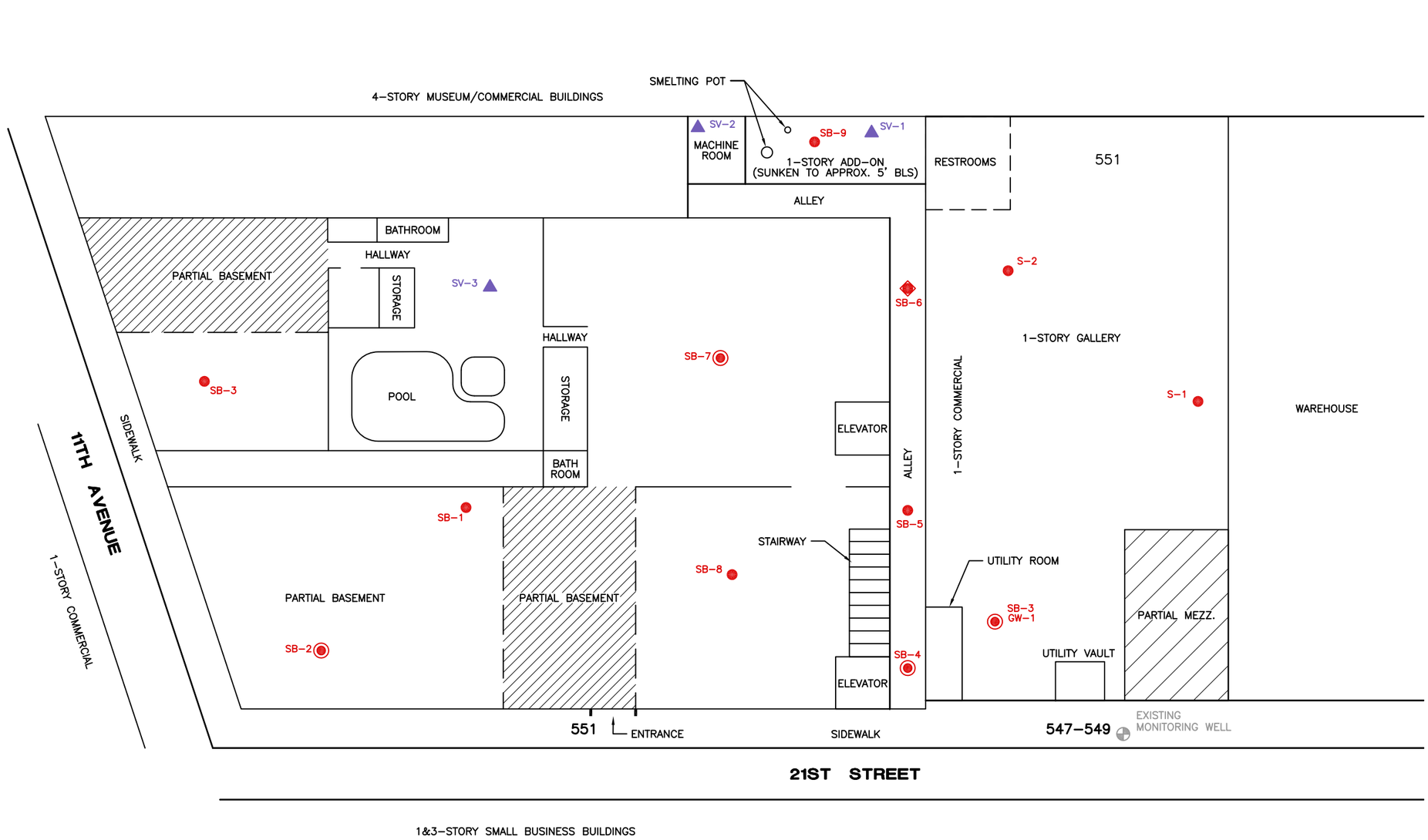
Prepared for:

551 WEST 21ST STREET LLC

ROUX

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: M.D.	Date: 24SEP12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	2
Project Mgr.: N.E.	Project No.: 2127.0001Y000	
File: 2127.0001Y102.02.CDR		



LEGEND

SB–8 ●	LOCATION AND DESIGNATION OF SOIL SAMPLE
SB–2 ◉	LOCATION AND DESIGNATION OF SOIL AND GROUNDWATER SAMPLE
SV–1 ▲	LOCATION AND DESIGNATION OF SOIL VAPOR SAMPLE

20' 0 20'

Title:

SAMPLE LOCATION MAP

547–549 & 551 WEST 21ST STREET
NEW YORK, NEW YORK

Prepared For:

551 WEST 21ST STREET LLC

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: M.D.	Date: 24SEP12	FIGURE
Prepared by: J.A.D.	Scale: AS SHOWN	3
Project Mgr: N.E.	Project: 2127.0001Y000	
File: 2127.0001Y102.03.DWG		

V:\CAD\PROJECTS\2127Y\0001Y\102\2127.0001Y102.03.DWG

APPENDICES

A. Environmental Reports
B. Geotechnical Report
C. Soil Boring Geologic Logs
D. Laboratory Reports

Environmental Reports

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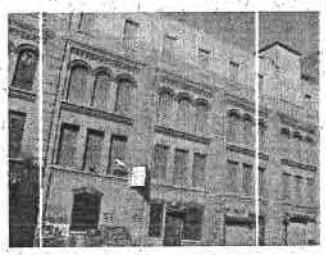
PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

551 West 21st Street
Manhattan, New York



Prepared For: Mr. Alf Naman
Alf Naman Real Estate
460 Park Avenue, 22nd Floor
New York, New York 10022
Phone: (212) 751-5432 Fax: (212) 751-4538

Prepared By: Hydro Tech Environmental Corp.
2171 Jericho Turnpike, Suite 240
Commack, New York 11725

Senior Geologist: Mark E. Robbins, C.P.G., C.E.I.

Prepared On: August 26, 2004

HTE Job No. 040190

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

551 West 21st Street
Manhattan, New York

August 26, 2004

Hydro Tech Environmental Corp. appreciates the opportunity to work for Mr. Alf Naman of Alf Naman Real Estate at the property located at 551 West 21st Street in Manhattan, New York.

Should you require any additional information or have any comments regarding the contents of this report, please feel free to contact our office at your convenience.

Very Truly Yours,
Hydro Tech Environmental, Corp.

X
Prasanti Kandepi
Project Manager

X
Mark E. Robbins, C.P.G., C.E.I.
Senior Geologist

X
Mostafa El Sehamy, P.G., C.G.W.P.
Operations Director

MR. MARK E. ROBBINS
Environmental • Assessment • Association
#73383
Certified Environmental Inspector

AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS
CERTIFICATE NUMBER
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AIPG
MARK E. ROBBINS
CERTIFIED PROFESSIONAL GEOLOGIST

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E. Database Search Results
F. Credentials

1.0 EXECUTIVE SUMMARY

Hydro Tech Environmental Corp. (HTE) has performed a Phase I Environmental Site Assessment of the property located at 551 West 21st Street in Manhattan, New York. The Phase I Assessment was performed on behalf of Mr. Alf Naman of Alf Naman Real Estate.

The Phase I Environmental Site Assessment was performed to meet or surpass the American Standard of Testing Materials Standard for Phase I Environmental Site Assessments E 1527-00. The purpose of the assessment was to characterize the environmental quality of the Subject Property through the identification of Recognized Environmental Conditions. All work was performed under the supervision of an HTE Project Manager and under the guidance of an HTE geologist.

The results of the Phase I Environmental Site Assessment are contained in this report. The Phase I Environmental Site Assessment has revealed the following Recognized Environmental Conditions:

- The presence of suspect lead based paint (§4.0).
- The presence of active mold growth (§4.0).

No effort has been made to perform any investigation beyond what is included in this Report. The observations and conclusions included herein summarize the results of the Phase I Environmental Site Assessment up to the date of the fieldwork and the date of this Report.

The following sections provide the details and specific information pertaining to the various components of the Phase I Environmental Site Assessment.

2.0 INTRODUCTION & SCOPE OF WORK

Hydro Tech Environmental Corp. (HTE) has been retained by Mr. Alf Naman of Alf Naman Real Estate, (the ***"Client"***) to perform a Phase I Environmental Site Assessment (Phase I Assessment) at the property located at 551 West 21st Street in Manhattan, New York. The property will hereafter be referred to as the ***"Site"*** or the ***"Subject Property"***.

The purpose of a Phase I Assessment is to characterize the environmental quality of the Subject Property through the determination of the presence of Recognized Environmental Conditions (RECs). As defined by the American Society of Testing and Materials (ASTM), a REC is: "the presence or likely presence of any *hazardous substances* 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 *hazardous substances* or *petroleum products* into structures on the property or into the ground, groundwater or surface water of the property."[1]

To this end, HTE has collected information through a number of sources including, but not limited to: a property and neighborhood inspection by trained environmental personnel, a review of historical and current information collected from various federal, state, county and municipal agencies and personnel interviews with Site representatives. Recommendations are offered where prudent. Firms subcontracted by HTE may have collected some information used in this report.

The activities of the Phase I Assessment included the performance of the following tasks:

1. A detailed inspection of the Site and its general vicinity.
2. A review of all reasonably ascertainable regulatory agency documents.
3. A neighborhood hazardous waste survey utilizing Federal and State databases
4. A review and evaluation of reasonably ascertainable geologic and hydrogeologic reference materials.
5. Interviews with representatives of the Site.
6. The preparation of a Phase I Environmental Site Assessment Report.

In addition to those items outlined by ASTM E 1527-00, radon, lead-based paint and lead in water were also included in the scope of work. Business environmental risks have not been considered and are not included in the scope of work.

[1] ASTM E 1527-00, §1.1.1.

3.0 SITE DESCRIPTION

3.1 Site Vicinity

The Subject Property is located at the northeast corner of West 21st Street and 11th Avenue in the borough of Manhattan, New York. The borough of Manhattan is situated in the western portion of the City of New York.

Figure 1 provides a Site Location Map.

The vicinity of the Site consists of industrial and commercial properties. The ground surfaces in the vicinity of the Site consist of asphalt and concrete surfaces. The Hudson River is located approximately 520 feet to the west of the Site.

3.2 Site Details

The Site is approximately 15,345 square feet in area and consists of a 4-story brick commercial building, which occupies the entire Site. All floors of the building are vacant and the building was under renovation at the time of inspection. The building has a partial basement. The building was formerly utilized for several commercial purposes.

Figure 2 provides a Site Plan.

Access to the property is via 11th Avenue to the west. A concrete sidewalk is located between the building and 11th Avenue and between the building and 21st Street.

The interior of the building consists of vacant rooms. The first floor of the building was formerly utilized as a bar and a club. The interior of this portion of the building consists of bar located at the southwest portion, and club located at the remaining portion. An approximately 100 square ft empty pool is located at central portion of the club. A stairwell leading to upper floors is located at the eastern portion of the building from the first floor. An air conditioning unit is located at the eastern portion of the building. A bathroom is located along the eastern portion of the first floor. A storage room is located at the northeast corner of the Site. Entrance to this storage room is via a hallway located outside the eastern wall. An abandon compressor was located in storage room. No stains, odors or evidence of spills were identified in the vicinity of compressor. The

presence of the compressor should not impact upon the environmental quality of the Site. The main entrance to the first floor of the building is via doorways located along the western exterior wall of the building.

The basement is approximately 900 square feet in area and is located at the southwest corner of the building. The basement was formerly occupied by "Eagle" and was utilized as storage for the bar. The southern portion of the basement consists of a storage area and electric panel room. An electric panel room, storage areas are located in the southern portion of the basement. Access to the basement is via a stairs located in bar in the first floor of the building.

The walls of the building consist of sheet rocks in the first floor and bricks on the remaining floors. The floors of the building consist of concrete slab in basement and wood on remaining floors. The ceiling of the building consists of tint, wooden beams in the first floor and tint on the remaining floors.

The building has a flat, level roof. The building was heated via gas blowers. The Site is connected to the New York City Sewer System and municipal water, gas and electric services enter the southern property underground via West 21st Street. The Site is connected to New York City electric service and the service enters the Site aboveground along the southern property boundary, from West 21st Street.

The topography of the Site is generally level. The topography of the vicinity of the Site is also generally level.

3.3 Adjacent Land Use

The Subject Property is located in a commercial and Industrial area. The following properties were identified immediately adjacent to the Site:

To the North:	Four-story Museum /commercial building.
To the South:	One-story/three-story small business buildings.
To the West:	One-story commercial building.
To the East:	One-story commercial building.

HTE does not believe that the adjacent properties identified above should impact upon the environmental quality of the Subject Property.

3.4 Proximity to Environmentally Sensitive Areas

The results of the site inspection and an evaluation of the United States Geological Survey (USGS) 7-½ Minute Topographic Map containing the Site indicate that there are no environmentally sensitive areas within 1,000 feet of the Subject Property.

3.5 Environmental Setting

The Subject Property is located in the southern portion of New York County. New York County is commonly referred to as Manhattan, New York. The elevation of the Subject Property is approximately 5 feet above mean sea level *(USGS 7½ Minute Jersey City, New Jersey New York Quadrangle, 1969, Photorevised 1979)*. A copy of the USGS Topographic Map is provided with this report.

The vicinity of the Subject Property is characterized by metamorphosed sequences of bedrock known as the Manhattan Prong of the Hartland Formation. The Hartland Formation was formed during the late Cambrian to early Ordovician period and consists of undivided pelitic schist with gneiss and amphibolite. The formation is frequently cross cut by transverse and parallel faults. The area is overlain by Pleistocene aged glacial till deposits.

Outcrops of bedrock are commonplace in the borough of Manhattan, as can be seen in Central Park. However, no areas of exposed bedrock were identified during the site inspection portion of the Phase I.

The depth to groundwater in the vicinity of the Subject Property is approximately 10 feet below grade. The water table is typically encountered within the fractures of the bedrock. The regional groundwater flow direction in the vicinity of the Subject Property is toward the west, in the direction of the Hudson River.

4.0 SITE RECONNAISSANCE

Mr. Angel Ramirez of HTE performed the Site reconnaissance portion of the Phase I Assessment on Monday, August 23, 2004. The weather during the inspection was sunny, approximately 65 degrees Fahrenheit.

Appendix A provides photographs of the Subject Property.

The following pertinent information was obtained during the site reconnaissance of the Subject Property:

1. At the time of the inspection, no industrial processes were observed at the Subject Property. No evidence of historical industrial processes was identified at the Subject Property.

2. No evidence of suspect hazardous chemicals was identified at the Subject Property. No drum storage areas were identified at the Subject Property. No evidence of former drum storage areas was identified at the Subject Property.

3. No aboveground storage tanks were identified at the Subject Property. No evidence of underground storage tanks was identified at the Subject Property. No evidence of former aboveground or underground storage tanks was identified at the Subject Property.

4. No floor drains are identified at the Subject Property. No evidence of former floor drains was identified at the Subject Property.

5. No evidence of subsurface drainage structures such as leaching pools or cesspools or storm water drywells was identified at the Subject Property.

6. No evidence of hazardous or non-hazardous material spills was identified at the Subject Property. No areas of stressed vegetation were identified at the Subject Property.

7. No electrical transformers were identified at the Subject Property. Two (2) cable driven elevators were located in the eastern portions of the building. No stains, odors or evidence of

spills were identified in the vicinity of these elevators. The presence of these elevators should not impact upon the environmental quality of the Site. No other evidence of PCB or PCB-containing equipment was identified at the Subject Property.

8. Peeling paint was identified on some portions of the ceilings of all floors, on the wooden beam located at the eastern portion of the first floor, on the wooden beam located at the southern portion of the second floor, and on the wooden beam located at the southern portion of the fourth floor of the building. Peeling paint was also identified at some portions on the wall and on the pipes located at the southern portion of the fourth floor of the building. Due the age of these buildings, lead may be present within the paint and may impact upon the environmental quality of the Subject Property. The presence of the suspect lead-based paint should be considered a REC

9. No suspect asbestos-containing material (ACM) was identified at the Subject Property.

10. The testing of drinking water for lead is beyond the scope of this Phase I Environmental Site Assessment. Potable water at the Site is supplied by the New York City Water Supply.

11. No monitoring wells were identified at the Subject Property. No monitoring wells were identified on any adjacent properties. The Subject Property does not utilize wells for the generation of potable water.

12. Visual evidence of active mold was observed on the ceiling of the second floor in the northeast portion of the building. The active mold growth may be affecting the air quality of the second floor. The presence of active mold may impact up on the environmental quality of the Subject Property and should be considered a REC.

13. No surface waters such as pits, ponds or lagoons were identified at the Subject Property No evidence of former surface waters or pits, ponds or lagoons was identified at the Subject Property.

14. No areas of fill or evidence of land disposal of material(s) were identified at the Subject Property.

15. No evidence of any Indoor Air Quality issues was identified at the Subject Property.

5.0 REGULATORY AGENCY DOCUMENTS

FOIA requests were issued to the following regulatory agencies with respect to the Subject Property. All reasonably ascertainable municipal records are provided with this report.

- New York City Department of City Planning.
- New York City Building Department.
- New York City Department of Health.
- New York City Fire Marshal.
- New York State Department of Environmental Conservation.
- New York City Department of Environmental Protection.

Appendix C provides copies of the regulatory agency documents.

New York City Department of City Planning

The New York City Zoning Department indicates that the property is zoned M1-5 Manufacturing District. The Tax Map number for the property is Block 693 and Lot 1. The Little "E" Restriction for the Subject Property is listed as "N/A - not available".

New York City Building Department

The New York City Building Department indicates that there are no open complaints, two (2) open violations, and one hundred fifty (150) actions for the Subject Property. No information was available in the Building Department files for the open violations. The action listed in Building Department files includes alteration, notice, special report, permit, plumbing, elevator and certificate of occupancy. None of the violations or actions listed in the Building Department files should impact upon the environmental quality of the Site.

New York City Department of Health

A FOIA request was submitted to the New York City Department of Health (NYCDOH). The NYCDOH is in receipt of the FOIA request and has assigned the control number as **#2004FR02042**. Ms. Shirley Willey was contacted to obtain the status of the FOIA request. She has forwarded that request to the Department of Environmental Investigation. Any additional information will be provided as soon as it has been received and evaluated.

New York City Fire Marshal

A FOIA request was submitted to the New York City Bureau of Fire Prevention (NYCBFP). The NYCBFP is in receipt of FOIA request and indicated that there are no records found for the Subject Property.

New York City Department of Environmental Protection

The FOIA request was submitted to New York City of Department of Environmental Protection (NYSDEP). As of the date of this report, the NYSDEP has not responded to our search request. This information will be provided as soon as it has been received and evaluated.

A follow-up call was made to the NYCDOH to obtain the status of the FOIA request. The NYCDOH has not responded to the follow-up calls as of the date of this report.

New York State Department of Environmental Conservation

The FOIA request was submitted to New York City Department of Environmental Conservation (NYSDEC). The NYSDEC is in receipt of the FOIA request and has assigned the FOIL identification number as **#R2-04-755**. The NYSDEC was contacted to know the FOIA status, they indicated that they have forwarded the request to the following departments, the Department of Environmental Permits, the Department of Spills and the Legal Department. Any additional information will be provided as soon as it has been received and evaluated.

6.0 SITE HISTORY

6.1 Historical Maps

Fire Insurance Maps for the Site and its vicinity were obtained and evaluated in order to establish the history of the Site. The Fire Insurance Maps are provided with this report. The dates of the Fire Insurance Maps that were evaluated are listed below:

- 1895
- 1904
- 1921
- 1950
- 1969
- 1975
- 1979
- 1980
- 1983
- 1985
- 1987
- 1988
- 1991
- 1992
- 1993
- 1994
- 1995
- 1996

Appendix D provides a copy of the Fire Insurance Maps.

The evaluation of the Fire Insurance Maps indicates that the Site was vacant prior to 1895 through 1904. The Site was developed with 4-story and 3-story buildings from 1921 through 1996 Fire Insurance Maps. No notations indicating storage tanks were identified on any of the maps. The following sections provide further detail on the Fire Insurance Maps.

1895-1904

The Site was vacant prior to 1895 through 1904 Fire Insurance Maps.

1921-1996

The Site was developed with a 4-story and a 3-story building on the 1921 Fire Insurance Map. The map indicates that 4-story building is located in the southern portion and 3-story building is located in the northern portion of the Site. An elevator was identified at the southeast portion of the 4-story building. No other significance changes were identified on any other Fire Insurance maps.

The overall evaluation of the historical site information indicates that the Subject Property was vacant prior to 1895 through 1904. The Site is then developed from 1921 through 1996 with a 4-story and a 3-story building. No notations indicating storage tanks were identified on the map.

No evidence of historical use of hazardous materials was identified in the historical records. No potential RECs were identified for the Subject Property.

6.2 Previous Studies

Based upon interviews performed during the inspection, no prior environmental studies were conducted at the Site.

7.0 NEIGHBORHOOD HAZARDOUS WASTE DATABASES

Federal and State hazardous waste databases were reviewed with respect to the Subject Property and surrounding properties. The complete database printout is provided with this report. The following databases were reviewed:

Federal Databases

- National Priority List
- CERCLIS
- ERNS
- RCRA TSD
- RCRA CORRACTS
- RCRA Generator/Transporter

State Databases

- Inactive Hazardous Waste Sites
- Leaking Underground Storage Tanks
- Petroleum Bulk Storage
- Spill Sites
- Solid Waste Landfill

Appendix E provides a copy of the Database Search Results.

The review and evaluation of the above federal and state databases indicate that the Subject Property is not identified on any of the databases.

The following numbers of properties were identified in each database within the specified radii from the Subject Property.

Federal Databases	Radius	Number of Properties
National Priority List	1.0 miles	0
CERCLIS	0.5 miles	0
ERNS	Property & Adjacent	0
RCRA TSD	1.0 miles	0
RCRA CORRACTS	1.0 miles	0
RCRA Generator/Transporter	0.125 miles	8

State Databases	Radius	Number of Properties
• Inactive Hazardous Waste Sites	1.0 miles	2
• Leaking Underground Storage Tanks	0.5 miles	64
• Petroleum Bulk Storage	0.5 miles	31
• Spill Sites	0.5 miles	211
• Solid Waste Landfill	0.5 miles	2

One property is located adjacent to the south of the Site and is identified in the RCRA Generator/Transporter database. The Site is listed as a "Small Quantity Generators– generate less than 100kg/month of hazardous materials". The property is associated with Penske truck leasing Co, at the address 550 west 21st Street in Manhattan, and has been assigned EPA ID **#NYD981563448**. No violations associated with the listing of the Site as a RCRA Generator were identified. The listing of the adjacent property as a RCRA Generator should not impact upon the environmental quality of the Site.

No upgradient properties identified in the database should impact upon the environmental quality of the Subject Property. None of the remaining properties identified in the databases should impact upon the environmental quality of the Subject Property.

8.0 INTERVIEWS

During the course of the Phase I Assessment, interview(s) were conducted with respect to the operations and history of the Site. The following people provided information during the performance of the Phase I Assessment:

- Mr. Tim Simmons, Site contact.
- " Charlie"- building manager.

The following information was obtained during the interview(s):

- Mr. Simmons indicated that the entire building is under renovation.
- Charlie indicated that the first floor of the building was formerly utilized as a bar and club.
- Charlie also indicated that the building is vacant for several years.

9.0 CONCLUSIONS

HTE has performed a Phase I Environmental Site Assessment of the property located at 551 West 21st Street in Manhattan, New York. Based upon the findings of the Phase I Assessment, the following Recognized Environmental Conditions have been identified:

- The presence of suspect lead based paint (§4.0).
- The presence of active mold growth (§4.0).

Other than the item(s) listed above, no further assessment work is required to determine the environmental quality of the Subject Property.

10.0 RECOMMENDATIONS

Based on the conclusions presented in Section 9.0 above, the following recommendations are provided:

- If any portions of the building interiors are demolished or otherwise altered, all areas of peeling paint or other areas containing suspect lead-based paint should be properly characterized and if necessary abated by an accredited lead abatement company.
- A Mold Survey should be conducted to classify the types and amounts of mold present at the Site. The survey should include the collection of air and swab samples. The samples should be transmitted to an AIHA EMLAP accredited laboratory for analyses for mold type and spore count. Additionally, any sources of water intrusion should be addressed.

11.0 CREDENTIALS

In accordance with ASTM E 1527-00, the credentials of those personnel directly involved with the production of this Phase I are provided with this report.

Appendix F provides a copy of the personnel credentials.

12.0 REFERENCES

1. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM E 1527-00, American Society for Testing and Materials, West Conshohocken, PA.

2. Principals of Groundwater Engineering, William C. Walton, Lewis Publishers, Inc., 1991.

3. Soil Survey of Nassau County, New York, Soil Conservation Service, United States Department of Agriculture in cooperation with Cornell University Agricultural Experiment Station, February 1987.

4. The Long Island Ground Water Pollution Study, New York State Department of Environmental Conservation, 1972.

5. *Geochemical traverse across Cameron's Line, Boro Hall Park, Bronx, New York*, Cadmus, D., Hodgson, R., Gatto, L.M., and Puffer, J.H., Geology Department, Rutgers University, Newark, NJ.

6. *Drainage History of the New York City Region*, Sanders, John E., Geology Department, Hofstra University.

13.0 EXCLUSIONS & DISCLAIMER

Hydro Tech Environmental Corp. is engaged in the environmental assessment of real estate. All tasks involved with this environmental assessment have been performed at a minimum in accordance with the accepted practices and standards of the environmental consulting industry. Hydro Tech Environmental Corp. has not interest, implied or otherwise, in the real estate.

The observations included in this report summarize the environmental quality of the subject property up to the dates of the visual inspection of the property and this report. No efforts have been made to perform any tasks beyond what is documented in this report. Any incidents occurring subsequent to the date of this report are not accounted for and therefore are not included in this report. This report is intended to be utilized solely by the client unless otherwise indicated.

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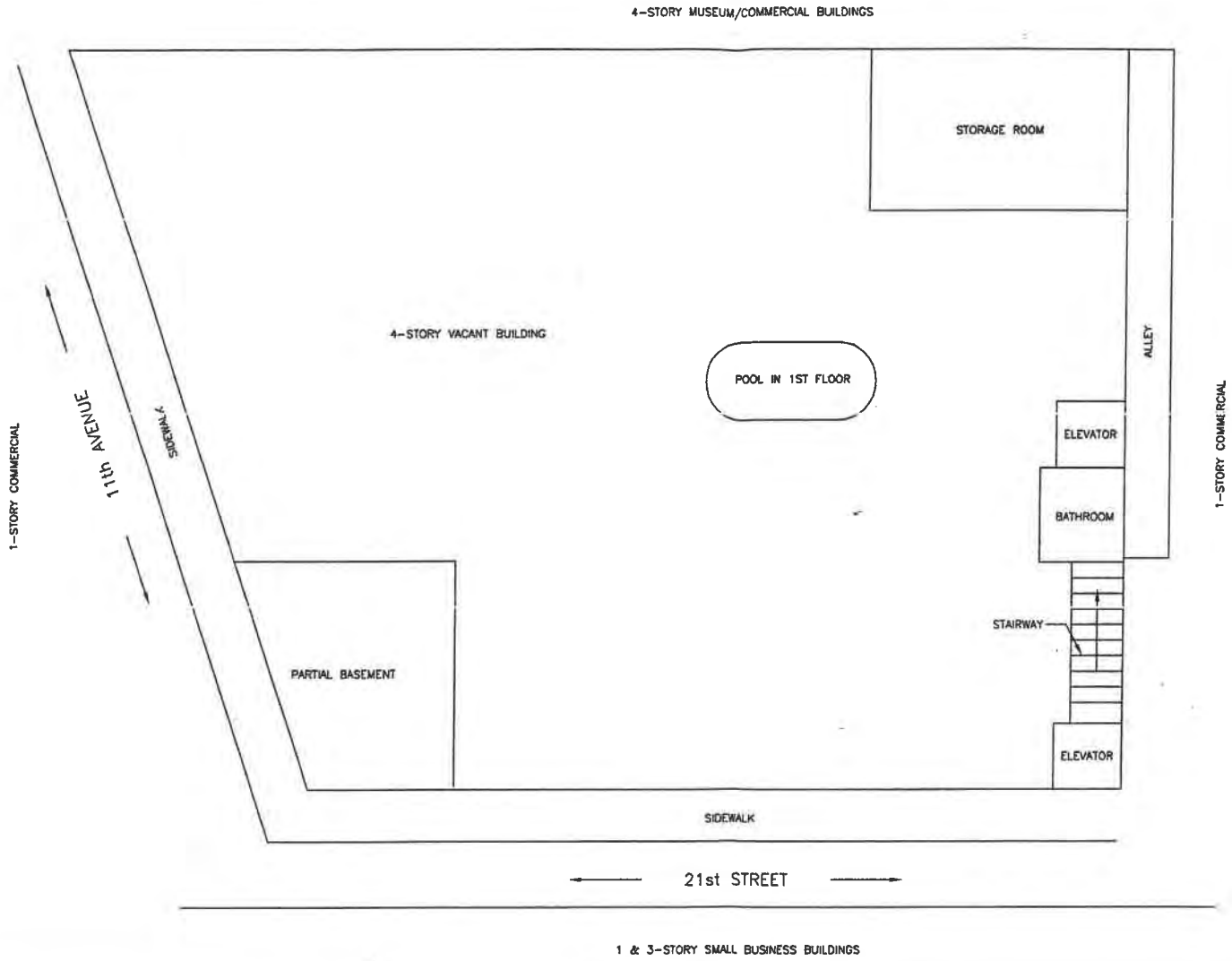
Figure 1: Site Location Map

551 West 21st Street
Manhattan, New York



NOTES:

1. THIS IS NOT A SURVEY PLAN. THIS PLAN DOESN'T NECESSARILY REFLECT EXISTING SITE CONDITIONS ACCURATELY.

HYDRO TECH ENVIRONMENTAL CORP.

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551 West 21st Street
New York, New York

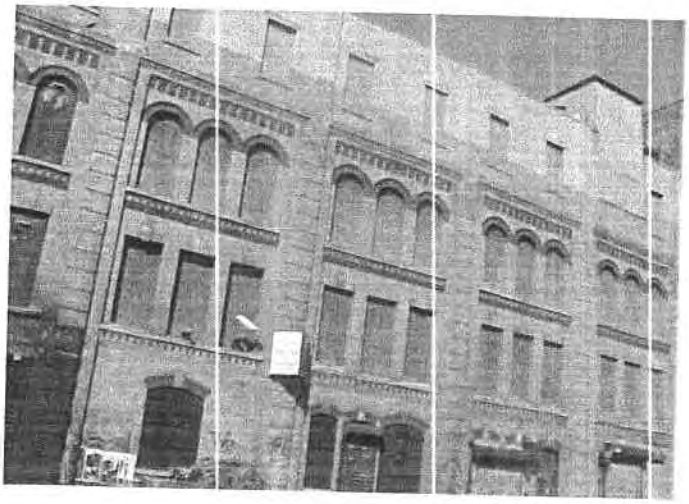
Drawn By: K.P
Reviewed By: M.R
Approved By: M.S
Date: 09-02-04
Scale: 1"=15'

TITLE:

FIGURE 2: SITE PLAN

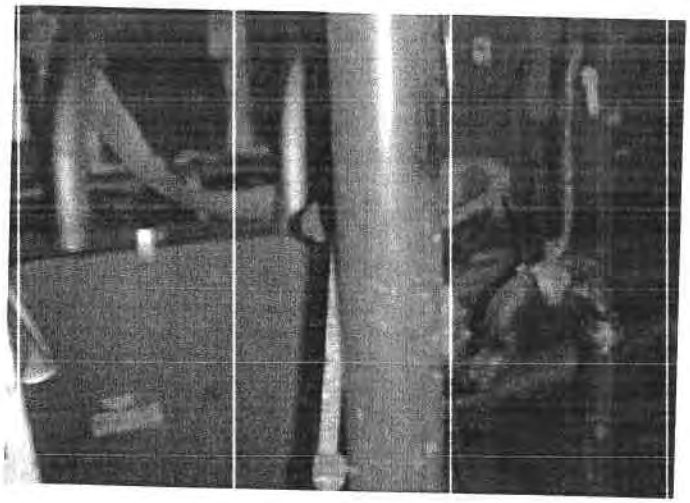
APPENDIX A

PHOTOGRAPHS

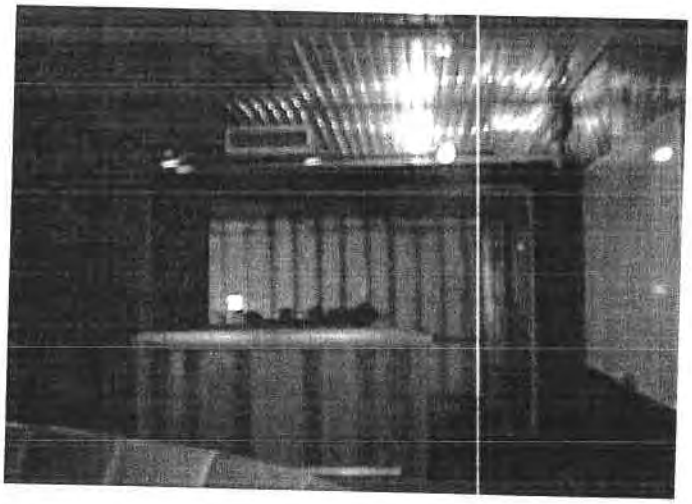


View of Subject Property

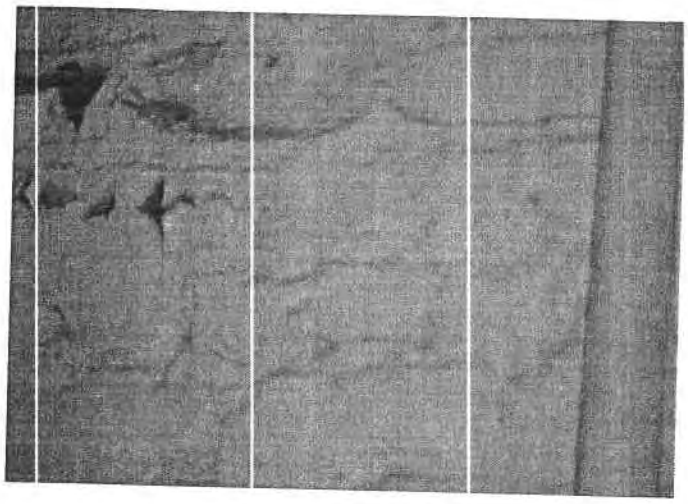
View of Subject property



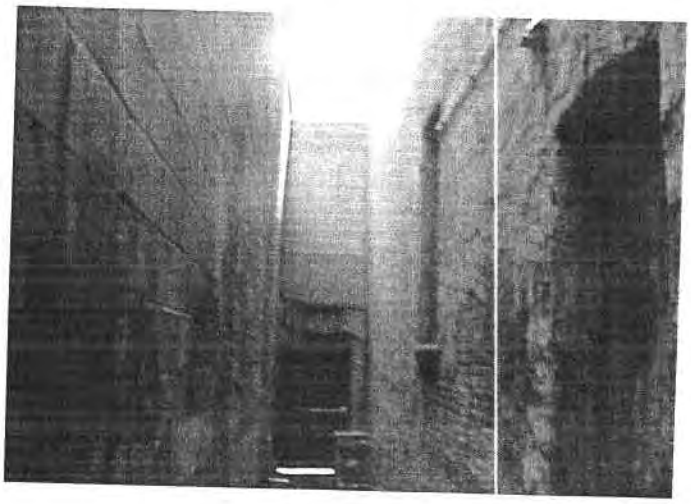
Electric meters in basement



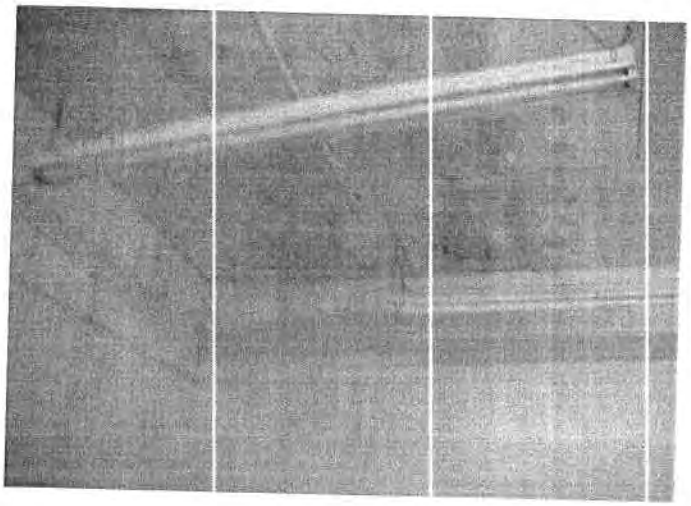
Former club in first floor



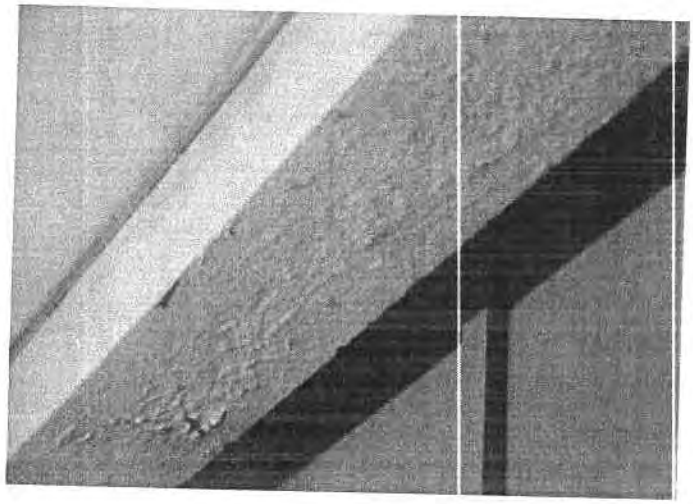
Peeling paint on wooden beam at the first floor



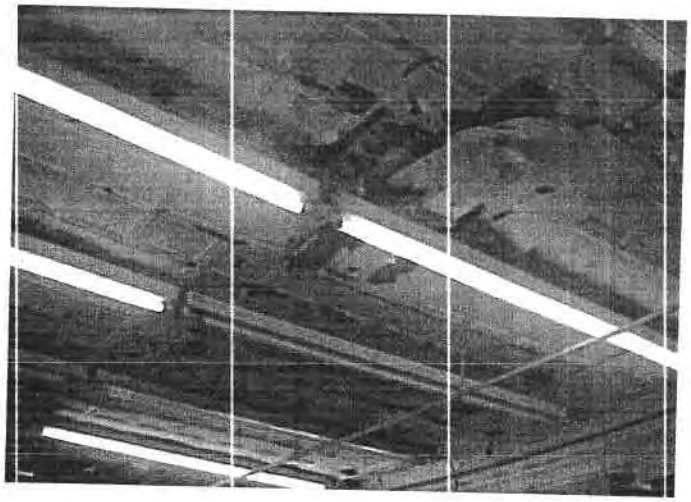
View of hallway



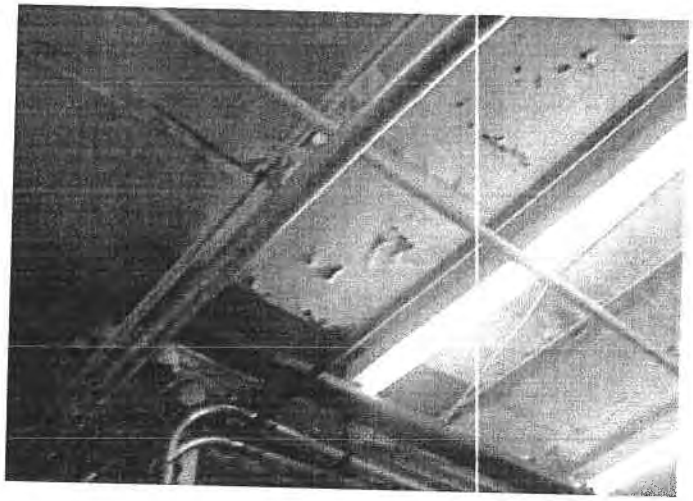
Mold on ceiling of the second floor of the building



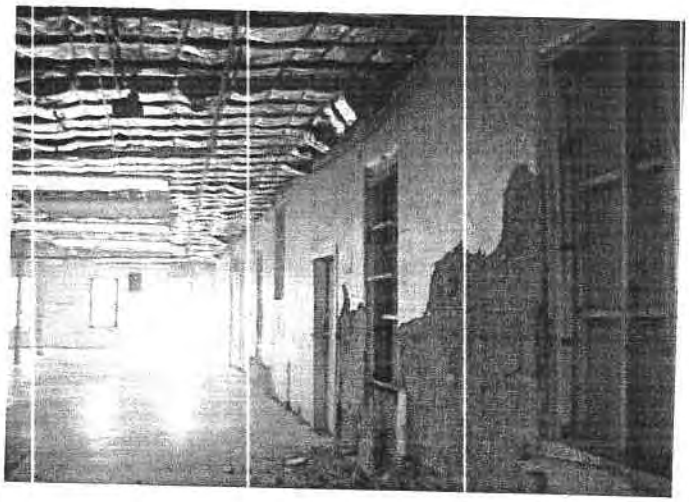
Lead based paint on wooden beam on the second floor of the building



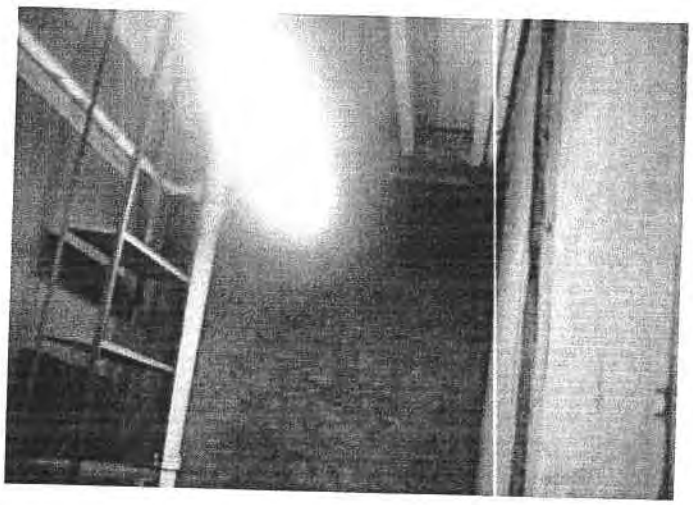
Lead based paint on the ceiling of 3rd floor of the building



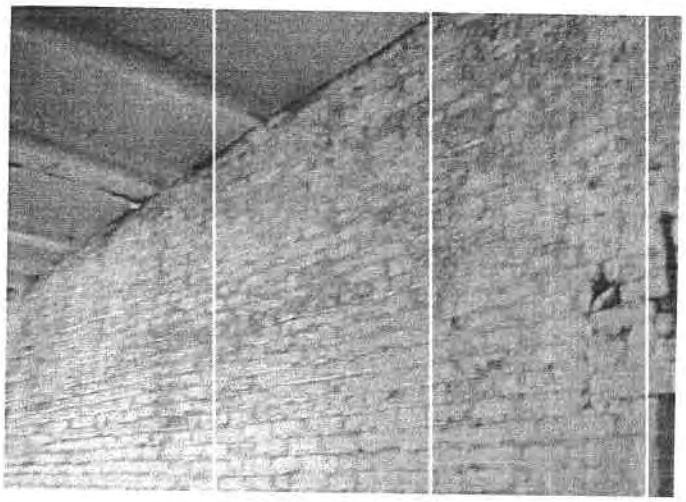
Lead based paint on the ceiling of the 3rd floor of the building



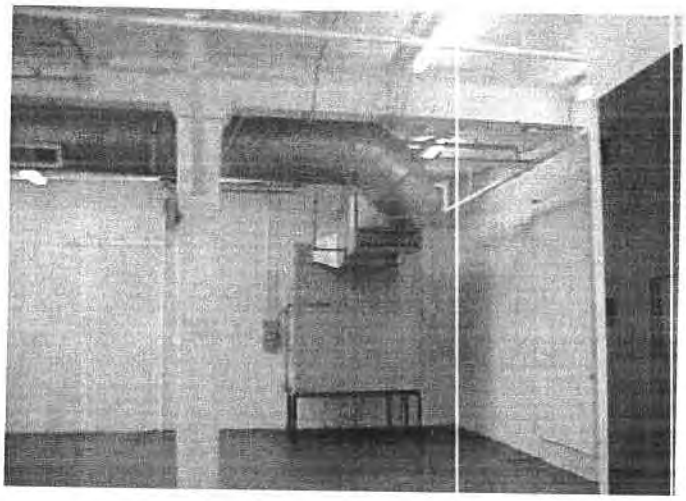
Renovation of the fourth floor of the building



lead absed paint on pipe on fouth floor of the building



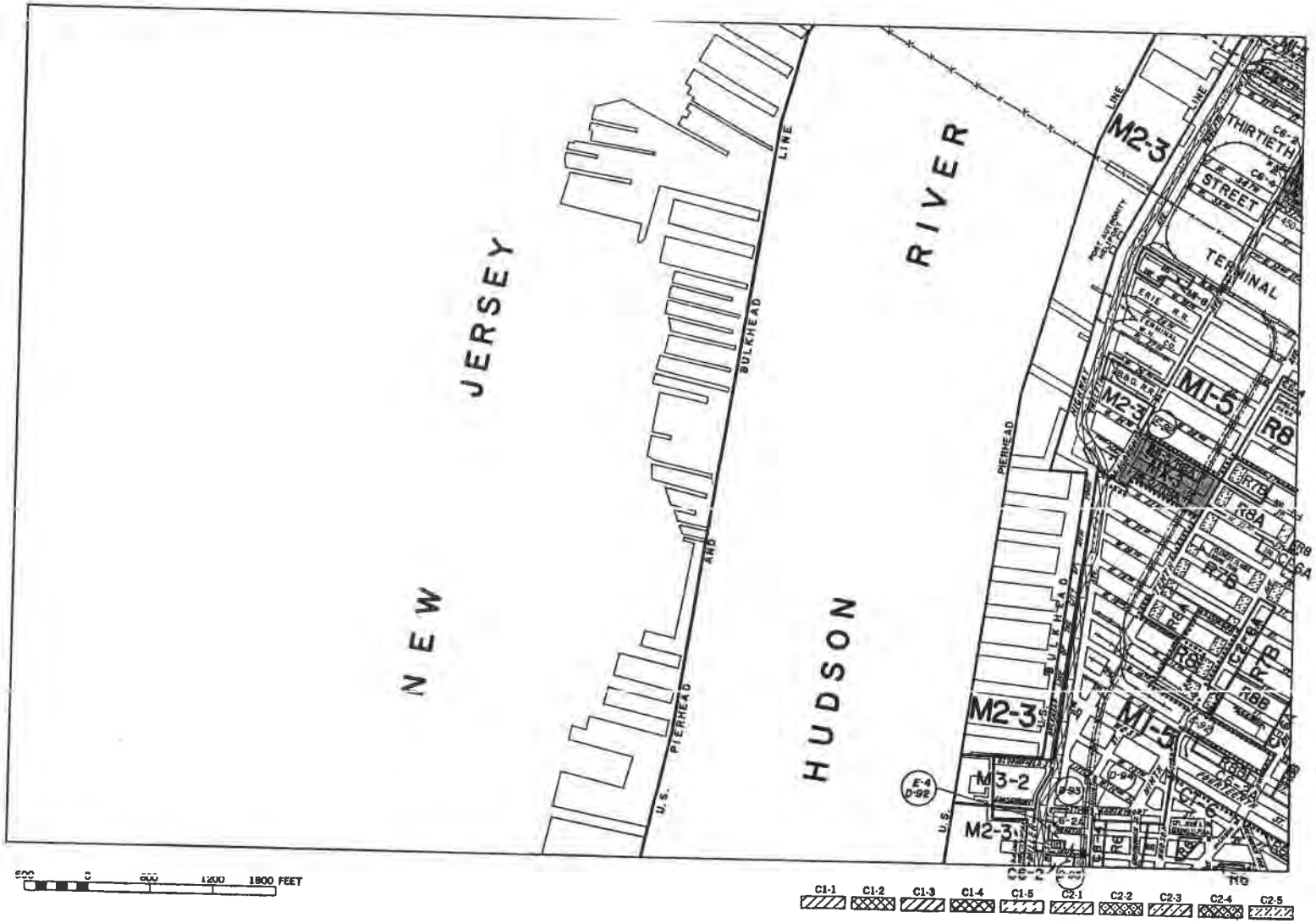
Lead absed paint on the wall of the fourth floor of the building



Slight lead based paint on the beam on the fourh floor of the building

APPENDIX B

REGULATORY AGENCY DOCUMENTS



ZONING MAP

THE NEW YORK CITY PLANNING COMMISSION

Major Zoning Classifications:

The number(s) and/or letter(s) that follows an R, C or M District designation indicates use, bulk and other controls as described in the text of the Zoning Resolution.

R – RESIDENTIAL DISTRICT

C – COMMERCIAL DISTRICT

M – MANUFACTURING DISTRICT

AREA(S) REZONED

EFFECTIVE DATE(S) OF REZONING:

9-9-1999 C 990453 ZMM

SPECIAL PURPOSE DISTRICT
The letter(s) within the shaded area designates the special purpose district as described in the text of the Zoning Resolution.

(D) – RESTRICTIVE DECLARATION

(E) – CITY ENVIRONMENTAL QUALITY REVIEW DECLARATION

MAP KEY

N

	8a	8c
	8b	8d
	12a	12c

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ZONING MAP **8b**

BIS Menu | Bldg Info Search | Property Profile | Back

FAQs | Glossary Aug 9, 2004

NYC Department of Buildings

Property Profile Overview

142 11 AVENUE
11 AVENUE 142 - 152
WEST 21 STREET 551 - 557

MANHATTAN 10011

Health Area	: 55
Census Tract	: 99
Community Board	: 104
Buildings on Lot	: 1

BIN# 1012306

Tax Block	: 693
Tax Lot	: 1
Condo	: NO
Vacant	: NO

View All Addresses... Browse Block Browse Lot

DOB Special Place Name:
DOB Building Remarks:
Landmark Status:

Loft Law:	NO	**Special Status:**	N/A
SRO Restricted:	NO	**Local Law:**	NO
UB Restricted:	NO	**TA Restricted:**	NO
Little 'E' Restricted:	N/A	**Special District:**	N/A
Legal Adult Use:	NO	**Grandfathered Sign:**	NO
Historic Block:	693	**City Owned:**	NO
Other BINs:	NONE	**Historic Lots:**	1

Department of Finance Occupancy Code: E9-WAREHOUSE

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
Complaints	1	0
Violations-DOB	29	2
Violations-ECB	2	1
Jobs/Filings	8	
PRA / ARA Jobs	0	
Total Jobs	8	
Actions	150	

Elevator Records
Electrical (BEC) Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Facade Status Information
Marquee Annual Permits
Boiler Compliance

OR Enter Action Type:
OR Select from List:
Select...
AND Show Actions

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DOB Violations

Page: 1

Premises: 142 11 AVENUE MANHATTAN BIN: 1012306 Block: 693 Lot: 1

NUMBER	TYPE	STATUS	FILE DATE
V 52881EL	DOB VIOLATION - ACTIVE	ACTIVE	00/00/0000
V 103081PA10BB01	DOB VIOLATION - ACTIVE	ACTIVE	12/06/2001
V* 52881EL	DOB VIOLATION DISMISSED		00/00/0000
DISMISSAL DATE: 00/00/0000	AGENCY LICENSE:	BADGE NO.:	
V* 3062-09	DOB VIOLATION DISMISSED		00/00/0000
DISMISSAL DATE:	AGENCY LICENSE:	BADGE NO.:	
V* 52881EL	DOB VIOLATION DISMISSED		00/00/0000
DISMISSAL DATE: 00/00/0000	AGENCY LICENSE:	BADGE NO.:	
V* 177-10CA	DOB VIOLATION DISMISSED		00/00/1910
DISMISSAL DATE:	AGENCY LICENSE:	BADGE NO.:	
V* 010379E563B1	DOB VIOLATION DISMISSED		00/00/1979
DISMISSAL DATE: 06/26/1990	AGENCY LICENSE:	BADGE NO.: 0027	
V* 052881E67643	DOB VIOLATION DISMISSED	DISMISSED	05/28/1981
DISMISSAL DATE: 02/13/1985	AGENCY LICENSE:	BADGE NO.:	
V* 111782E142644	DOB VIOLATION DISMISSED	DISMISSED	11/17/1982
DISMISSAL DATE: 02/13/1985	AGENCY LICENSE:	BADGE NO.:	
V* 052083E1444-4-1	DOB VIOLATION DISMISSED		00/00/1983
DISMISSAL DATE: 06/26/1990	AGENCY LICENSE:	BADGE NO.: 0027	

Next

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Actions

Premises: 142 11 AVENUE MANHATTAN

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BIN: 1012306 Block: 693 Lot: 1

NUMBER	TYPE	STATUS	FILE DATE
*EV 162-09		ACTIVE	00/00/0000
*V 042276PA0742		ACTIVE	00/00/0000
*V 042276PA0741		ACTIVE	00/00/0000
*V 2044-09		ACTIVE	00/00/0000
*V 2983-09		ACTIVE	00/00/0000
*V 2938-09		ACTIVE	00/00/0000
*V 2977-09		ACTIVE	00/00/0000
*V 3042-09		ACTIVE	00/00/0000
*V 3009-10		ACTIVE	00/00/0000
*V 176-10		ACTIVE	00/00/0000

Next

Enter Action Type: _____ Or Select from List: Select... Refresh

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Premises: 142 11 AVENUE MANHATTAN

BIN: 1012306 Block: 693 Lot: 1

NUMBER	TYPE	STATUS	FILE DATE
*V 6519-13		ACTIVE	00/00/0000
*V 6908-13		ACTIVE	00/00/0000
*V 7882-14		ACTIVE	00/00/0000
*V 5952-17		ACTIVE	00/00/0000
*V 6828-18		ACTIVE	00/00/0000
*V 2155-37E		ACTIVE	00/00/0000
*V 4646-40		ACTIVE	00/00/0000
*V 3991-41		ACTIVE	00/00/0000
*V 4669-41		ACTIVE	00/00/0000
*V 8849-41E		ACTIVE	00/00/0000

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Premises: 142 11 AVENUE MANHATTAN

BIN: 1012306 Block: 693 Lot: 1

NUMBER	TYPE	STATUS	FILE DATE
*V 8849-42		ACTIVE	00/00/0000
*V 965-44E		ACTIVE	00/00/0000
*V 2476-45		ACTIVE	00/00/0000
*V 4361-45E		ACTIVE	00/00/0000
*V 5993-48		ACTIVE	00/00/0000
*V 5974-52E		ACTIVE	00/00/0000
*V 6280-53E		ACTIVE	00/00/0000
*V 1738-55		ACTIVE	00/00/0000
*V 684-57		ACTIVE	00/00/0000
*V 7018-59E		ACTIVE	00/00/0000

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Actions

Premises: 142 11 AVENUE MANHATTAN

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BIN: 1012306 Block: 693 Lot: 1

NUMBER	TYPE	STATUS	FILE DATE
*V 6551-60		ACTIVE	00/00/0000
*V 8808-62E		ACTIVE	00/00/0000
*V 5714-66		ACTIVE	00/00/0000
*V 1761-68		ACTIVE	00/00/0000
*V 1040-70E		ACTIVE	00/00/0000
*V 6458-72E		ACTIVE	00/00/0000
*V 764-73		ACTIVE	00/00/0000
*V 1016-45		ACTIVE	12/06/1945
*V 2082-71		ACTIVE	12/06/1971
*V 5875-71		ACTIVE	12/06/1971

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Premises: 142 11 AVENUE MANHATTAN

BIN: 1012306 Block: 693 Lot: 1

NUMBER	TYPE	STATUS	FILE DATE
*V 103081PA10BB01		ACTIVE	12/06/2001
ALT 1980-12	ALTERATION		00/00/1912
ALT 246-13	ALTERATION		00/00/1913
ALT 3388-13	ALTERATION		00/00/1913
ALT 3436-13	ALTERATION		00/00/1913
ALT 1155-20	ALTERATION		00/00/1920
ALT 2271-25	ALTERATION		00/00/1925
ALT 1997-29	ALTERATION		00/00/1929
ALT 2025-40	ALTERATION		00/00/1940
ALT 788-71	ALTERATION		00/00/1971

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Enter Act on Type: _____ Or Select from List: Select... Refresh

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BIN: 1012306 Block: 693 Lot: 1

NUMBER	TYPE	STATUS	FILE DATE
ALT 614-78	ALTERATION		00/00/1978
ALT 757-83	ALTERATION		05/18/1983
ALT 1322-86	ALTERATION		10/06/1986
ALT 1852-87*	ALTERATION		00/00/1987
ALT 343-87*	ALTERATION		00/00/1987
BN 271-20	BUILDING NOTICE		00/00/1920
BN 1011-35	BUILDING NOTICE		00/00/1935
BN 2109-40	BUILDING NOTICE		00/00/1940
BN 1459-45E	BUILDING NOTICE		00/00/1945
BN 3521-46	BUILDING NOTICE		00/00/1946

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BIN: 1012306 Block: 693 Lot: 1

NUMBER	TYPE	STATUS	FILE DATE
BN 3522-46	BUILDING NOTICE		00/00/1946
BN 4916-67	BUILDING NOTICE		00/00/1967
BN 4916-67	BUILDING NOTICE		00/00/1967
BN 3113-73E	BUILDING NOTICE		00/00/1973
BN 3947-79	BUILDING NOTICE		00/00/1979
BN 854-81	BUILDING NOTICE		00/00/1981
BN 7748-84WD	BUILDING NOTICE		00/00/1984
BN 1381-85	BUILDING NOTICE		02/26/1985
BN 1596-86	BUILDING NOTICE		02/26/1986
BN 5512-88	BUILDING NOTICE		07/15/1988

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NUMBER	TYPE	STATUS	FILE DATE
CO 91265	CERTIFICATE OF OCCUPANCY		11/24/1987
COM 5408-41	COMPLAINTS		00/00/1941
COM 4902-60	COMPLAINTS		00/00/1960
CON 5532-41			00/00/1941
DP 2-06	DEMOLITION PERMIT	ACTIVE	00/00/0000
DP 2-06	DEMOLITION PERMIT		00/00/1906
DW 38-35			00/00/1935
E 4271-17	ELEVATOR	ACTIVE	00/00/0000
ELEV 1596-86	ELEVATOR		02/26/1986
ELV 4271-17	ELEVATOR		00/00/1917

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BIN: 1012306 Block: 693 Lot: 1

NUMBER	TYPE	STATUS	FILE DATE
ER 40829-10	ELEVATOR REPORT	ACTIVE	00/00/0000
ER 32-11A	ELEVATOR REPORT	ACTIVE	00/00/0000
ER 40829-10	ELEVATOR REPORT		00/00/1910
ER 32-11A	ELEVATOR REPORT		00/00/1911
ESA 201-52	ELECTRIC SIGN APPLICATION	ACTIVE	00/00/0000
ESA 3159-23	ELECTRIC SIGN APPLICATION	ACTIVE	00/00/0000
ESA 758-20	ELECTRIC SIGN APPLICATION	ACTIVE	00/00/0000
ESA 897-16	ELECTRIC SIGN APPLICATION		00/00/1916
ESA 758-20	ELECTRIC SIGN APPLICATION		00/00/1920
ESA 3159-23	ELECTRIC SIGN APPLICATION		00/00/1923

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NUMBER	TYPE	STATUS	FILE DATE
ESA 1968-32	ELECTRIC SIGN APPLICATION		00/00/1932
ESA 201-52	ELECTRIC SIGN APPLICATION		00/00/1952
EV 162-09*			00/00/1909
MIS 1160-1978	MISCELLANEOUS		00/00/1978
MISC 3911-88 SPR	MISCELLANEOUS	ACTIVE	00/00/0000
NB 618-78*	NEW BUILDING		00/00/1978
NB 976-86*	NEW BUILDING		00/00/1986
P 191-133	PLUMBING	ACTIVE	00/00/0000
P 191-13	PLUMBING		00/00/1913
P 1507-17	PLUMBING		00/00/1917

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NUMBER	TYPE	STATUS	FILE DATE
P 1420-18	PLUMBING		00/00/1918
P 1173-32	PLUMBING		00/00/1932
PA 76-71	PUBLIC ASSEMBLY	ACTIVE	00/00/0000
PA 169-45	PUBLIC ASSEMBLY		00/00/1945
PA 169-45	PUBLIC ASSEMBLY		00/00/1945
PA 76-71	PUBLIC ASSEMBLY		00/00/1971
PA 76-71	PUBLIC ASSEMBLY		00/00/1971
PER 944-23DW	PERMIT		00/00/1923
PER 3413-27G	PERMIT		00/00/1927
PER 3008-40C,PL	PERMIT		00/00/1940

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NUMBER	TYPE	STATUS	FILE DATE
RS 488R-15			00/00/1915
SA 87-12		ACTIVE	00/00/0000
SA 690-12		ACTIVE	00/00/0000
SA 4706-07			00/00/1907
SA 23-09			00/00/1909
SA 2030-10			00/00/1910
SA 497-10			00/00/1910
SA 638-10			00/00/1910
SA 794-10			00/00/1910
SA 872-10			00/00/1910

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BIN: 1012306 Block: 693 Lot: 1

NUMBER	TYPE	STATUS	FILE DATE
SA 1783-12			00/00/1912
SA 3641-12			00/00/1912
SA 690-12			00/00/1912
SA 87-12			00/00/1912
SGA 840-14			00/00/1914
SGA 95-14			00/00/1914
SPR 3911-88	SPRINKLERS	ACTIVE	11/16/1988
SR 39639-09	SPECIAL REPORT		00/00/1909
SR 2353-13	SPECIAL REPORT		00/00/1913
SR 6312-17	SPECIAL REPORT		00/00/1917

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BIN: 1012306 Block: 693 Lot: 1

NUMBER	TYPE	STATUS	FILE DATE
SR 8496-17	SPECIAL REPORT		00/00/1917
SR 3344-47	SPECIAL REPORT		00/00/1947
SR 3344-47	SPECIAL REPORT		00/00/1947
SR 742-51	SPECIAL REPORT		00/00/1951
SR 742-51	SPECIAL REPORT		00/00/1951
SR 3134-53	SPECIAL REPORT		00/00/1953
SR 2686-54	SPECIAL REPORT		00/00/1954
SR 3134-54	SPECIAL REPORT		00/00/1954
SR 4277-55	SPECIAL REPORT		00/00/1955
SR 4277-55	SPECIAL REPORT		00/00/1955

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BIN: 1012306 Block: 693 Lot: 1

NUMBER	TYPE	STATUS	FILE DATE
SR 1323-56	SPECIAL REPORT		00/00/1956
SR 1323-56	SPECIAL REPORT		00/00/1956
SR 2356-57	SPECIAL REPORT		00/00/1957
SR 2556-57	SPECIAL REPORT		00/00/1957
SR 1913-59	SPECIAL REPORT		00/00/1959
SR 1931-59	SPECIAL REPORT		00/00/1959
SR 210-71	SPECIAL REPORT		00/00/1971
UB 1243-10	UNSAFE BUILDING		00/00/1910
UB 155-10	UNSAFE BUILDING		00/00/1910
UB 2595-11	UNSAFE BUILDING		00/00/1911

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Enter Action Type: Or Select from List: Select... Refresh

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Premises: 142 11 AVENUE MANHATTAN

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BIN: 1012306 Block: 693 Lot: 1

NUMBER	TYPE	STATUS	FILE DATE
V 52881EL	DOB VIOLATION - ACTIVE	ACTIVE	00/00/0000
V 103081PA10BB01	DOB VIOLATION - ACTIVE	ACTIVE	12/06/2001
V* 52881EL	DOB VIOLATION DISMISSED		00/00/0000
DISMISSAL DATE: 00/00/0000	AGENCY LICENSE:	BADGE NO.:	
V* 3062-09	DOB VIOLATION DISMISSED		00/00/0000
DISMISSAL DATE:	AGENCY LICENSE:	BADGE NO.:	
V* 52881EL	DOB VIOLATION DISMISSED		00/00/0000
DISMISSAL DATE: 00/00/0000	AGENCY LICENSE:	BADGE NO.:	
V* 177-10CA	DOB VIOLATION DISMISSED		00/00/1910
DISMISSAL DATE:	AGENCY LICENSE:	BADGE NO.:	
V* 010379E563B1	DOB VIOLATION DISMISSED		00/00/1979
DISMISSAL DATE: 06/26/1990	AGENCY LICENSE:	BADGE NO.: 0027	
V* 052881E67643	DOB VIOLATION DISMISSED	DISMISSED	05/28/1981
DISMISSAL DATE: 02/13/1985	AGENCY LICENSE:	BADGE NO.:	
V* 111782E142644	DOB VIOLATION DISMISSED	DISMISSED	11/17/1982
DISMISSAL DATE: 02/13/1985	AGENCY LICENSE:	BADGE NO.:	
V* 052083E1444-4-1	DOB VIOLATION DISMISSED		00/00/1983
DISMISSAL DATE: 06/26/1990	AGENCY LICENSE:	BADGE NO.: 0027	

Previous Next

Enter Action Type: Or Select from List: Select... Refresh

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.

Hydro Tech Environmental, Corp.

Main Office:
2171 Jericho Turnpike, Suite 240
Commack, New York 11725

NYC Office:
15 Ocean Avenue, Second Floor
Brooklyn, New York 11225

Phone (631) 462-5866 • Fax (631) 462-5877
www.hydrotechenvironmental.com
Toll Free (866) HYDRO-TK

August 05, 2004

Maria Serrano – FOIA Officer
New York State DEC
Building 40, Suny
Stony Brook, New York 11790

Re: Freedom of Information Act Request

Dear Ms. Serrano:

Hydro Tech Environmental, Corp. is conducting Phase I Environmental Site Assessment Research at the following locations:

Address: 551 West 21st Street
Manhattan, NY 10011
Tax Map: Block 693
Lot 1

Please consider this a Freedom of Information Act request, for any information that you may have pertaining to the release of petroleum products and/or hazardous materials, or any other environmental concerns for this location.

Your assistance is appreciated. Please feel free to contact me at (631) 462-5866 with any questions.

Very Truly Yours
Hydro Tech Environmental, Corp.

Prasanti K

Prasanti Kandepi
Project Geologist
cc HTE File #1465

New York State Department of Environmental Conservation
Division of Public Affairs and Education, Region 2
47-40 21ST Street, Long Island City, NY 11101
Phone: (718) 482-4507 • FAX: (718) 482-4962
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

FOIL # R2-04-755

Prasanti Kandepi
Hydro Tech Environmental, Corp.
631-462-5866
Fax: 631-462-5877

RE 551 West 21st Street, Manhattan, NY 10011, Block 693 Lot 1

Dear Mr. Kandepi:

We are in receipt of your Foil request for the above referenced site. The Foil identification number assigned is R2-04-755.

If for any reason you need to contact us again please use that number. When the programs are done gathering the files/information this office will contact you.

Sincerely yours,

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator

Hydro Tech Environmental, Corp.

Main Office:
2171 Jericho Turnpike, Suite 240
Commack, New York 11725

NYC Office:
15 Ocean Avenue, Second Floor
Brooklyn, New York 11225

Phone (631) 462-5866 • Fax (631) 462-5877
www.hydrotechenvironmental.com
Toll Free (866) HYDRO-TK

August 05, 2004

Ms. Rene Bryant
NYC Department of Health
125 Worth Street - Room- 601 - Box 31
New York, NY 10013

RE: Freedom of Information Act Request

Dear Ms. Bryant:

Hydro Tech Environmental, Corp. is conducting a Phase I Environmental Site Assessment research at the following locations:

Address: 551 West 21st Street
Manhattan, NY 10011
Tax Map: Block 693
Lot 1

Please consider this a Freedom of Information Act request, for any information that you may have pertaining to the release of petroleum products and/or hazardous materials, or any other environmental concerns for this location.

Your assistance is appreciated. Please feel free to contact me at (631) 462-5866 with any questions.

Very Truly Yours
Hydro Tech Environmental, Corp.

Prasanti. K

Prasanti Kandepi
Project Geologist
cc HTE File # 1465

The City of New York
Department of Health and Mental Hygiene

Michael R. Bloomberg
Mayor

Thomas R. Frieden, M.D.
Commissioner

August 11, 2004

Hydro Tech Environmental, Corp.
2171 Jericho Turnpike, Suite 240
Commack NY 11725

Attention: Prasanti Kandepi

RE: 551 West 21st Street, NYC/Hazardous materials, wastes, spills, inspections, et..
CONTROL # 2004FR02042

This is to acknowledge receipt of your Freedom of Information request. Your request has been assigned the above control number and forwarded to the Bureau or office identified below for processing.

There is a fee of 25 cents per page for copies of Department records. You will be advised of the fee involved and upon receipt of the fee, the copies will be forwarded to you. All agencies of government are exempt from the fee.

Bureau / Office

[ ] Lead Poisoning Prevention Program
Ben DelPercio
(212) 676 - 6123

[ ] Administrative Tribunal - operations
Charlene Griffiths
(212) 361-1020

[ ] Bureau of Human Resources
Anna Perez
(212) 788-5043

[ ] Contracts
Magalie Tavaris
(212) 219 - 5869

[ ] Bureau of Day Care
Karen Grant
(212) 676-2444

[ ] Bureau of Laboratories
Ann Marie Incalicchio
(212) 447-2578

[✓] Environmental Health Services
Shirley Wiley
(212) 788 - 4706

[ ] _____

All inquiries regarding the status of your request should be referred to the above Bureau or office.

Sincerely,

Rena Bryant
Records Access Officer

Hydro Tech Environmental, Corp.

Main Office:
2171 Jericho Turnpike, Suite 240
Commack, New York 11725

NYC Office:
15 Ocean Avenue, Second Floor
Brooklyn, New York 11225

Phone (631) 462-5866 • Fax (631) 462-5877
www.hydrotechenvironmental.com
Toll Free (866) HYDRO-TK

August 05, 2004

Marie Dooley - FOIA Officer
NYC Department of Environmental Protection
59-17 Junction Boulevard
Flushing, NY 11373

RE: Freedom of Information Act Request

Dear Ms. Dooley:

Hydro Tech Environmental, Corp. is conducting a Phase I Environmental Site Assessment research at the following locations:

Address: 551 West 21st Street
Manhattan, NY 10011
Tax Map: Block 693
Lot 1

Please consider this a Freedom of Information Act request, for any information that you may have pertaining to the release of petroleum products and/or hazardous materials, or any other environmental concerns for this location.

Your assistance is appreciated. Please feel free to contact me at (631) 462-5866 with any questions.

Very Truly Yours
Hydro Tech Environmental, Corp.

Prasanti. K

Prasanti Kandepi
Project Geologist
cc HTE File # 1465

Brooklyn, N.Y. 11201-3857

RECORD SEARCH REQUEST
UNDERGROUND STORAGE TANKS

MAIL TO: Hydro Tech Environmental
2171 Jericho Turnpike, Suite 240
Commack, New York 11725
Att.N: Prosanti. K

Search No. _____

The undersigned requests the following information re: Premises

ADDRESS 551 West 21st Street New York, NY BOROUGH Manhattan

For Buried Motor Vehicle Fuel Tanks Only

1. No. and Size of tanks.....FEE: $10.00
2. No. and Size of sealed and/or removed tanks.....FEE: $10.00
3. Most recent tank and/or piping test results, including type of test performed.....FEE: $10.00
4. History of leaks.....FEE: $10.00
5. Pending Headquarters Violation Orders.....FEE: $10.00
6. Other.....FEE: $10.00

State Applicants interest in or relation to premises:

(THE CITY OF NEW YORK IS NOT BEING SUED, NOR IS THERE ANY INTENTION TO SUE THE CITY OF NEW YORK)

Signed: Prosanti. K

Date: 08/05/04

DO NOT WRITE BELOW THIS LINE.

Gentlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following:

(MAKE ADDITIONAL ON REVERSE SIDE)

Searched by: _____

VIOLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE PREVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS, UNLESS A SUMMONS FOR "FAILURE TO COMPLY" WAS ISSUED. ALL REPORTED TANK INFORMATION COMES FROM RECORDS, WHICH EXIST IN THE FIRE DEPARTMENT DISTRICT OFFICE FOLDERS, OR ON COMPUTER FILES.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS

Brooklyn, N.Y. 11201-3857

RECORD SEARCH REQUEST
UNDERGROUND STORAGE TANKS

MAIL TO: Hydro Tech Environmental Search No. _____
2171 Jericho Turnpike, Suite 240
Commack, New York 11725
Att.N: Poosanti. K

The undersigned requests the following information re: Premises

ADDRESS 551 West 21st Street, New York, NY BOROUGH Manhattan

For Buried Motor Vehicle Fuel Tanks Only

1. No. and Size of tanks.....FEE: $10.00
2. No. and Size of sealed and/or removed tanks.....FEE: $10.00
3. Most recent tank and/or piping test results, including type of test performed.....FEE: $10.00
4. History of leaks.....FEE: $10.00
5. Pending Headquarters Violation Orders.....FEE: $10.00
6. Other.....FEE: $10.00

State Applicants interest in or relation to premises:

(THE CITY OF NEW YORK IS NOT BEING SUED, NOR IS THERE ANY INTENTION TO SUE THE CITY OF NEW YORK)

Signed: Poosanti. K

Date: 08/05/04

DO NOT WRITE BELOW THIS LINE.

Gentlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following:

(MAKE ADDITIONAL ON REVERSE SIDE)

Searched by: _____

VIOLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE PREVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS, UNLESS A SUMMONS FOR "FAILURE TO COMPLY" WAS ISSUED. ALL REPORTED TANK INFORMATION COMES FROM RECORDS, WHICH EXIST IN THE FIRE DEPARTMENT DISTRICT OFFICE FOLDERS, OR ON COMPUTER FILES.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS

Brooklyn, N.Y. 11201-3857

RECORD SEARCH REQUEST
UNDERGROUND STORAGE TANKS

MAIL TO: Hydro Tech Environmental Search No. _____
2171 Jericho Turnpike, Suite 240
Commack, New York 11725
ATTN: Poosanti, K

The undersigned requests the following information re: Premises

ADDRESS 551 West 21st Street, Newyork, NY BOROUGH Manhattan

For Buried Motor Vehicle Fuel Tanks Only

1. No. and Size of tanks.....FEE: $10.00
2. No. and Size of sealed and/or removed tanks.....FEE: $10.00
3. Most recent tank and/or piping test results, including type of test performed.....FEE: $10.00
4. History of leaks.....FEE: $10.00
5. Pending Headquarters Violation Orders.....FEE: $10.00
6. Other.....FEE: $10.00

State Applicants interest in or relation to premises:

(THE CITY OF NEW YORK IS NOT BEING SUED, NOR IS THERE ANY INTENTION TO SUE THE CITY OF NEW YORK)

Signed: Poosanti, K

Date: 08/05/04

DO NOT WRITE BELOW THIS LINE.

Gentlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following:

(MAKE ADDITIONAL ON REVERSE SIDE)

Searched by: _____

VIOLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE PREVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS, UNLESS A SUMMONS FOR "FAILURE TO COMPLY" WAS ISSUED. ALL REPORTED TANK INFORMATION COMES FROM RECORDS, WHICH EXIST IN THE FIRE DEPARTMENT DISTRICT OFFICE FOLDERS, OR ON COMPUTER FILES.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS

Brooklyn, N.Y. 11201-3857

RECORD SEARCH REQUEST
UNDERGROUND STORAGE TANKS

MAIL TO: Hydro Tech Environmental
2171 Jericho Turnpike, Suite 240
Commack, New York 11725
Att N: Prasanti. K

Search No. _____

The undersigned requests the following information re: Premises

ADDRESS 551 west 21st Street, Newyork, NY BOROUGH Manhattan

For Buried Motor Vehicle Fuel Tanks Only

1. No. and Size of tanks.....FEE: $10.00
2. No. and Size of sealed and/or removed tanks.....FEE: $10.00
3. Most recent tank and/or piping test results, including type of test performed.....FEE: $10.00
4. History of leaks.....FEE: $10.00
5. Pending Headquarters Violation Orders.....FEE: $10.00
6. Other.....FEE: $10.00

State Applicants interest in or relation to premises:.....FEE: $10.00

(THE CITY OF NEW YORK IS NOT BEING SUED, NOR IS THERE ANY INTENTION TO SUE THE CITY OF NEW YORK)

Signed: Prasanti. K

Date: 08/05/04

DO NOT WRITE BELOW THIS LINE.

Gentlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following:

(MAKE ADDITIONAL ON REVERSE SIDE)

Searched by: _____

VIOLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE PREVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS, UNLESS A SUMMONS FOR "FAILURE TO COMPLY" WAS ISSUED. ALL REPORTED TANK INFORMATION COMES FROM RECORDS, WHICH EXIST IN THE FIRE DEPARTMENT DISTRICT OFFICE FOLDERS, OR ON COMPUTER FILES.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS

Brooklyn, N.Y. 11201-3857

RECORD SEARCH REQUEST
UNDERGROUND STORAGE TANKS

MAIL TO: Hydro Tech Environmental
2171 Jericho Turnpike, Suite 240
Commack, New York 11725
Att.N: Prosanti. K

Search No. 02235

The undersigned requests the following information re: Premises

ADDRESS 551 west 21st Street, New York, NY BOROUGH Manhattan

For Buried Motor Vehicle Fuel Tanks Only

1. No. and Size of tanks NR. ....FEE: $10.00
2. No. and Size of sealed and/or removed tanks ....FEE: $10.00
3. Most recent tank and/or piping test results, including type of test performed ....FEE: $10.00
4. History of leaks ....FEE: $10.00
5. Pending Headquarters Violation Orders UNDER SEPARATE COVER ....FEE: $10.00
6. Other ....FEE: $10.00

State Applicants interest in or relation to premises: ....FEE: $10.00

(THE CITY OF NEW YORK IS NOT BEING SUED, NOR IS THERE ANY INTENTION TO SUE THE CITY OF NEW YORK)

Signed: Prosanti. K

Date: 08/05/04

DO NOT WRITE BELOW THIS LINE.

Gentlemen:

In reply to your request concerning the premises mentioned above, please be advised that as of 9 A.M., _____ our records show the following:

(MAKE ADDITIONAL ON REVERSE SIDE)

NO RECORD

Searched by: J Beam 8/23/04

VIOLATIONS RECORDED ABOVE ARE ONLY THOSE WHICH ARE A MATTER OF RECORD IN HEADQUARTERS OF THE BUREAU OF FIRE PREVENTION, AND MAY NOT INCLUDE VIOLATIONS ISSUED BY LOCAL UNITS, UNLESS A SUMMONS FOR "FAILURE TO COMPLY" WAS ISSUED. ALL REPORTED TANK INFORMATION COMES FROM RECORDS, WHICH EXIST IN THE FIRE DEPARTMENT DISTRICT OFFICE FOLDERS, OR ON COMPUTER FILES.

MAXIMUM RESPONSE TIME 20 BUSINESS DAYS

APPENDIX C

FIRE INSURANCE MAPS

EDR™ Environmental Data Resources Inc

"Linking Technology with Tradition"

Sanborn® Map Report

Ship To: Prasanti
Hydro Tech Env. Corp.
2171 Jericho Turnpike
Commack, NY 11725

Order Date: 8/5/2004 **Completion Date:** 8/6/2004
Inquiry #: 1244591.2S
P.O. #: 1206
Site Name: 551 West 21st Street
Address: 551 West 21st Street
City/State: Manhattan, NY 10011
Cross Streets:

Customer Project: 040190
2012517GIL 631-462-5866

Based on client-supplied information, fire insurance maps for the following years were identified

1895 - 1 Map	1983 - 1 Map	1995 - 1 Map
1904 - 1 Map	1985 - 1 Map	1996 - 1 Map
1921 - 1 Map	1987 - 1 Map	
1950 - 1 Map	1988 - 1 Map	
1969 - 1 Map	1991 - 1 Map	
1975 - 1 Map	1992 - 1 Map	
1979 - 1 Map	1993 - 1 Map	
1980 - 1 Map	1994 - 1 Map	

Limited Permission to Photocopy Total Maps: 18

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Electronic Sanborn Map Images
USER'S GUIDE

Thank you for your interest in electronic Sanborn Map images. The following are guidelines for accessing the images and for transferring them to your system. If you have any questions about the use of electronic Sanborn Map images, contact your EDR Account Executive at 1-800-352-0050.

Organization of Electronic Sanborn Image File

- First Page — Sanborn Map Report, listing years of coverage
- Second Page — Electronic Sanborn Map Images USER'S GUIDE
- Third Page — Oldest Sanborn Map Image
- Last Page — Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

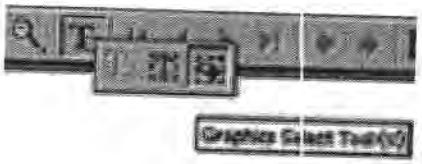
- Open file on screen.
- Identify TP (Target Property) on the most recent map.
- Find TP on older printed images.
- Using Acrobat, zoom to 250% in order to view more clearly.
  - 200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.
- Zooming in on an image:
  - On the menu bar, click "View" and then zoom.
  - Use the magnifying tool and drag a box around the TP area.

Printing a Sanborn Map from the Electronic File

- EDR recommends printing all images at 300 dpi (300 dpi prints faster than 600 dpi).
- To print only the TP area, cut and paste the area from Adobe Acrobat to your word processor.

<u>Acrobat Version 4</u>

- Go to the Menu bar
- Press and hold the "T" button
- Choose the Graphics Select Tool
- Draw a box around the area selected
- Go to "Menu"
- Hightlight "Edit"
- Hightlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.

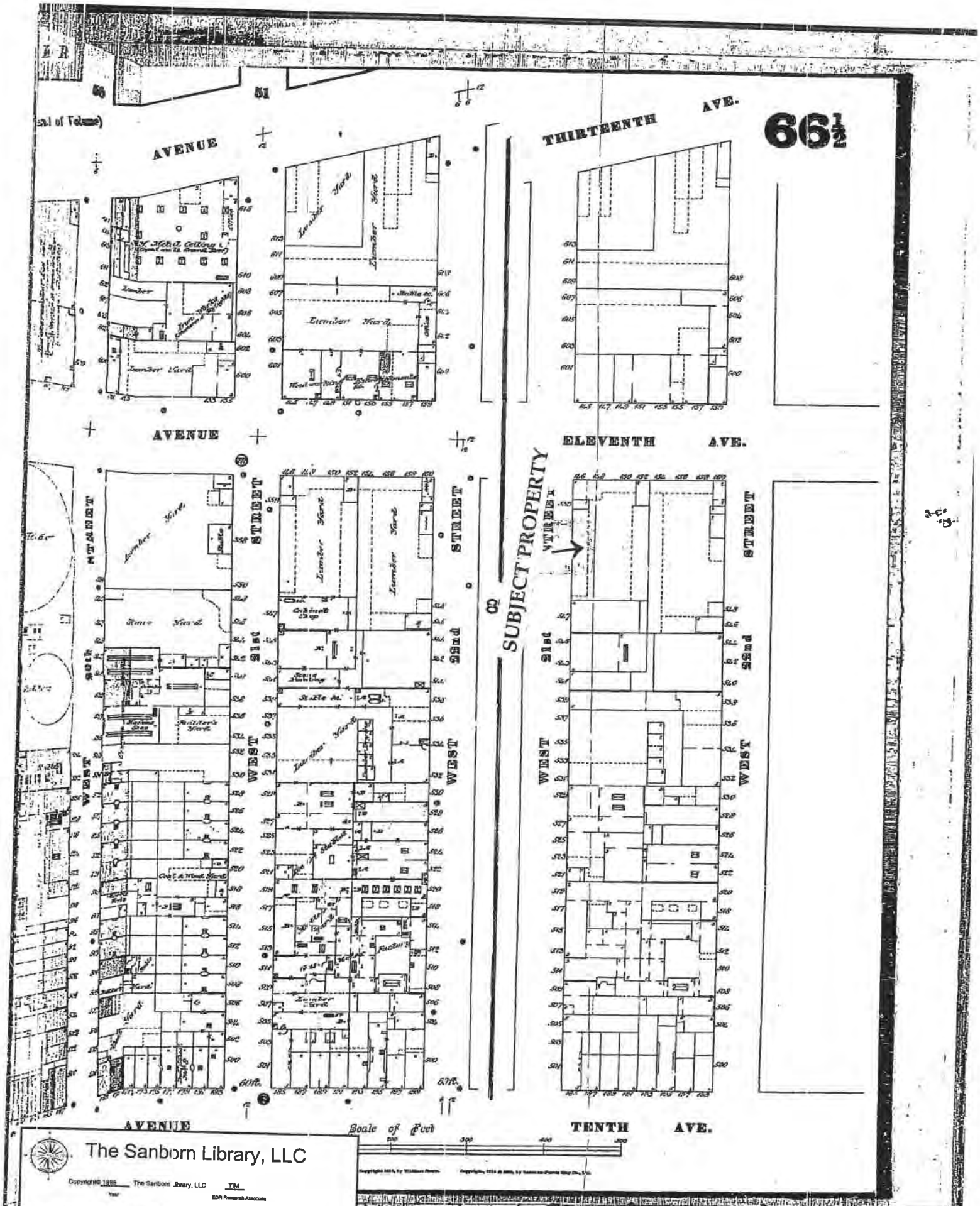


<u>Acrobat Version 5</u>

- Go to the Menu bar
- Click the "Graphics Select Tool"
- Draw a box around the area selected
- Go to "Menu"
- Highlight "Edit"
- Highlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.

Important Information about Email Delivery of Electronic

- Images are grouped intro one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as 1 of 3, 2 of 3, etc. including all available map years.
- Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.



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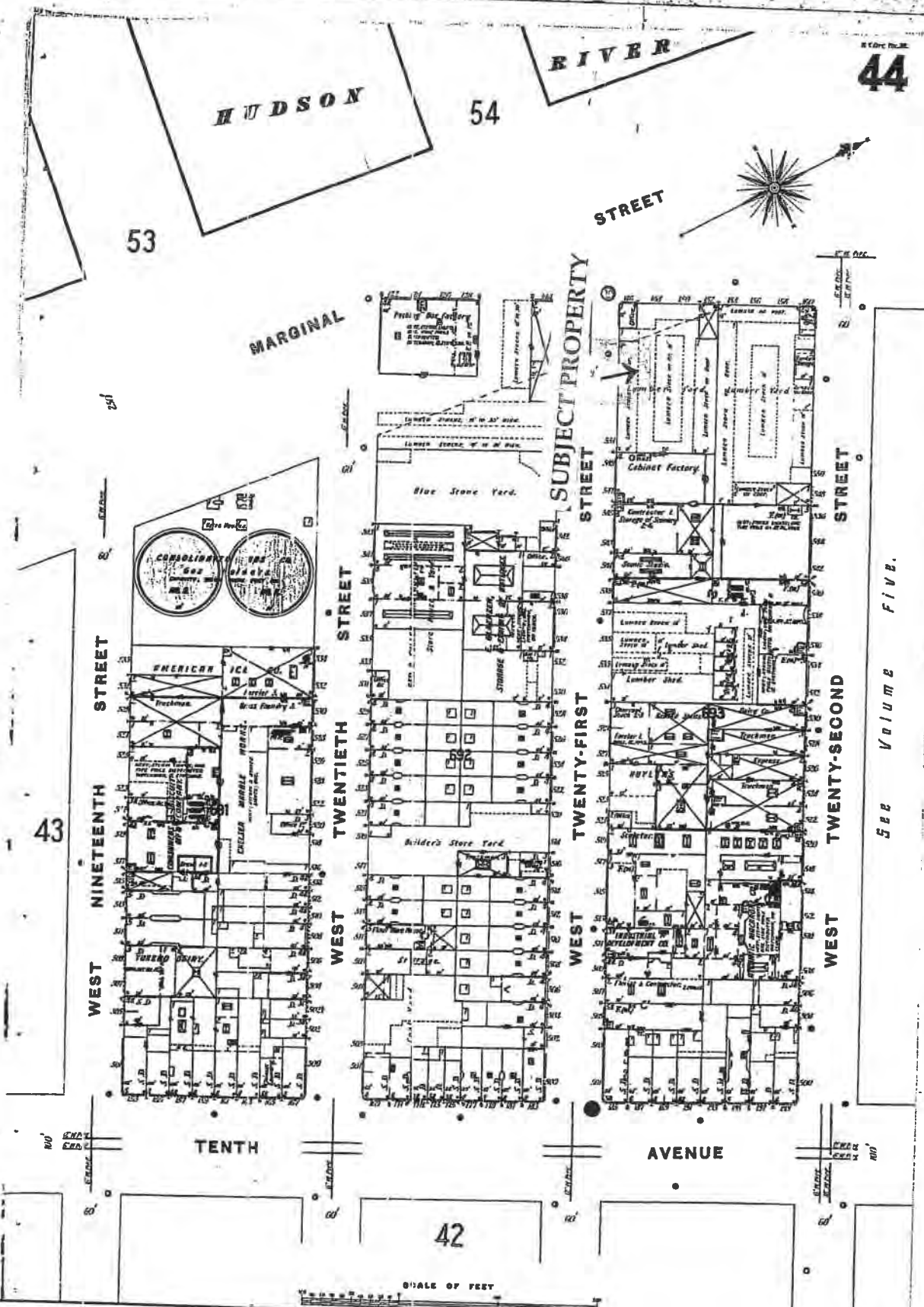

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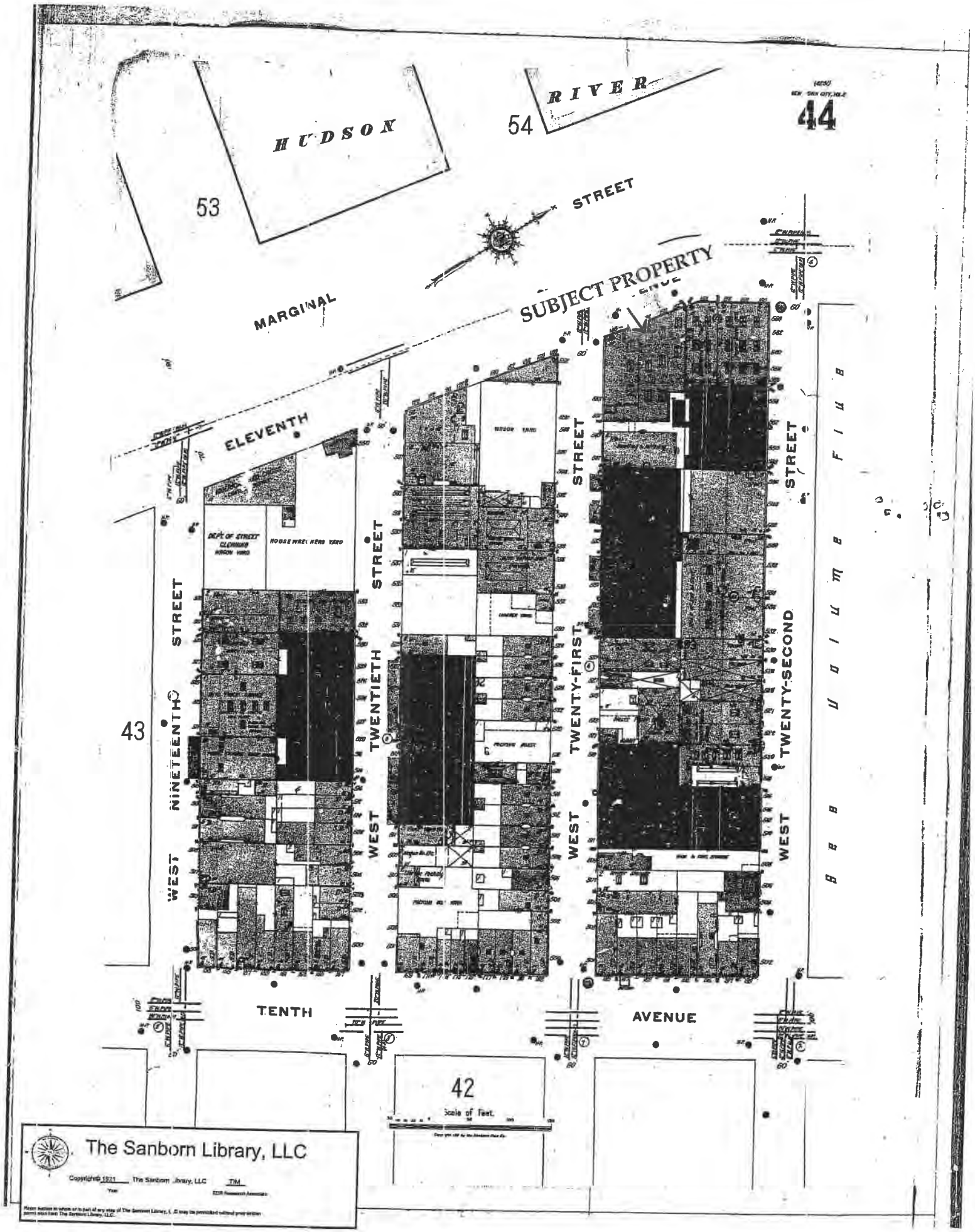

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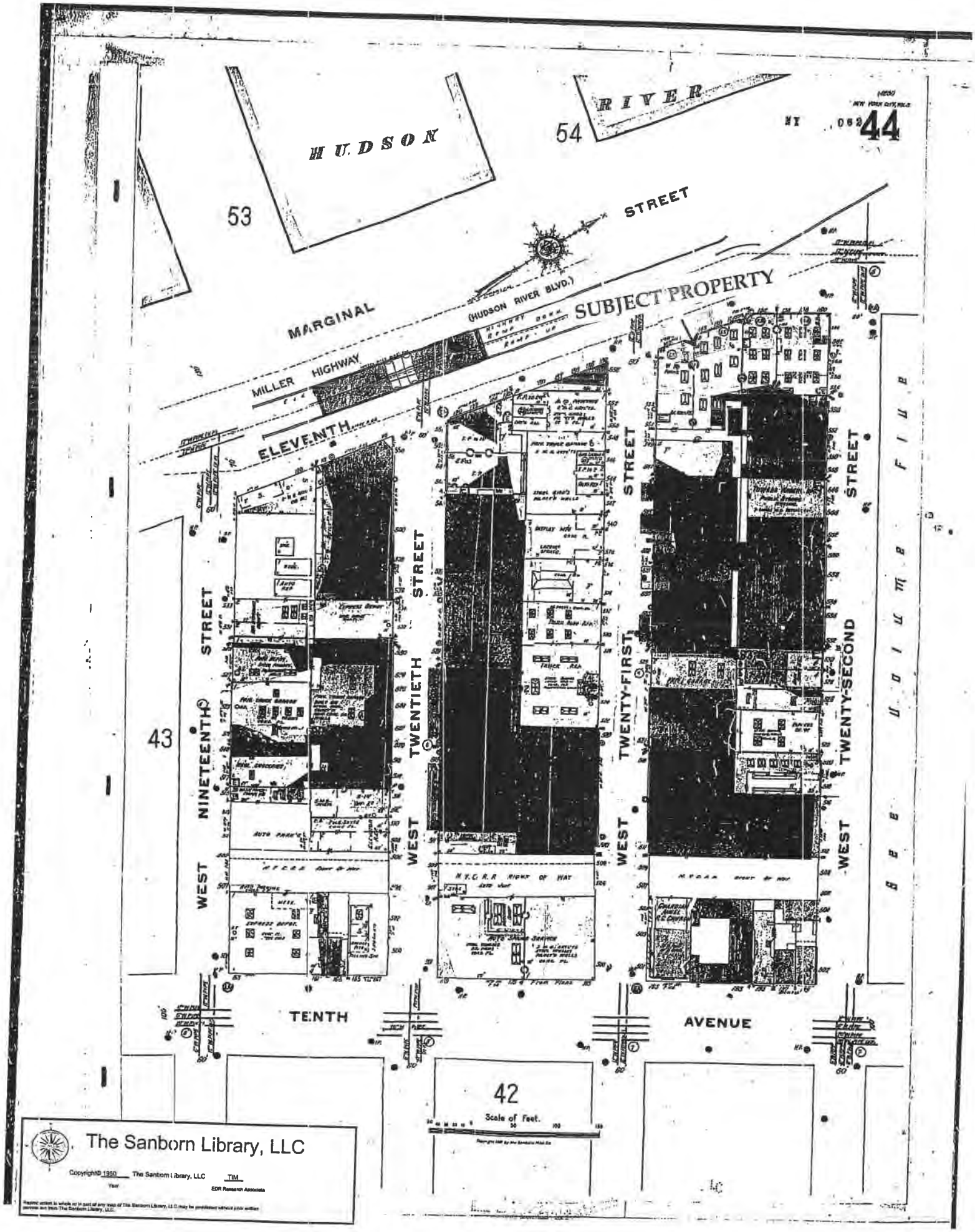
HUDSON
RIVER
54
53
44
STREET
MARGINAL
(HUDSON RIVER BLVD.)
SUBJECT PROPERTY
MILLER HIGHWAY
ELEVENTH
NINETEENTH
STREET
WEST
TWENTIETH
STREET
WEST
TWENTY-FIRST
STREET
WEST
TWENTY-SECOND
STREET
WEST
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42
TENTH
AVENUE
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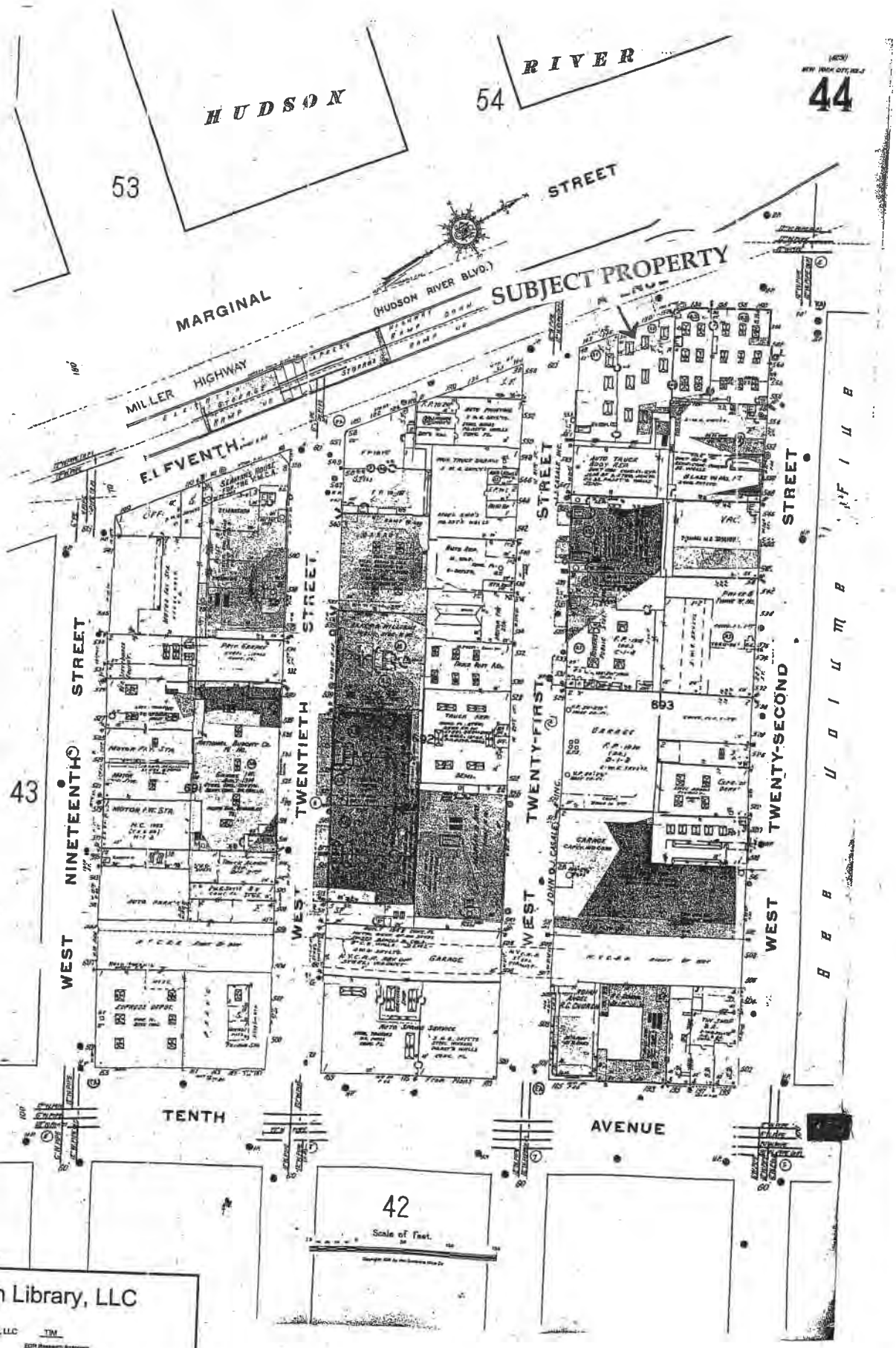

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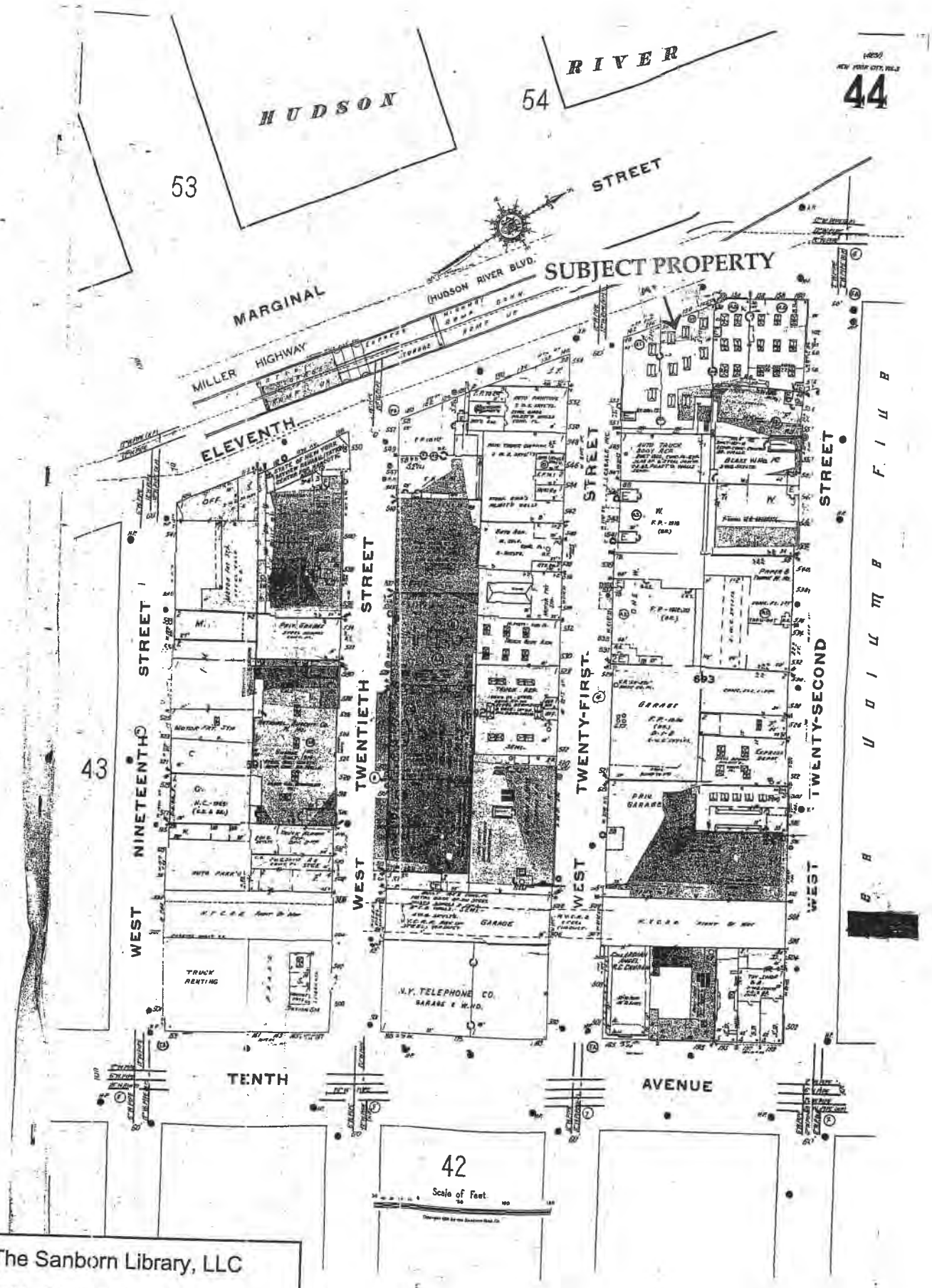

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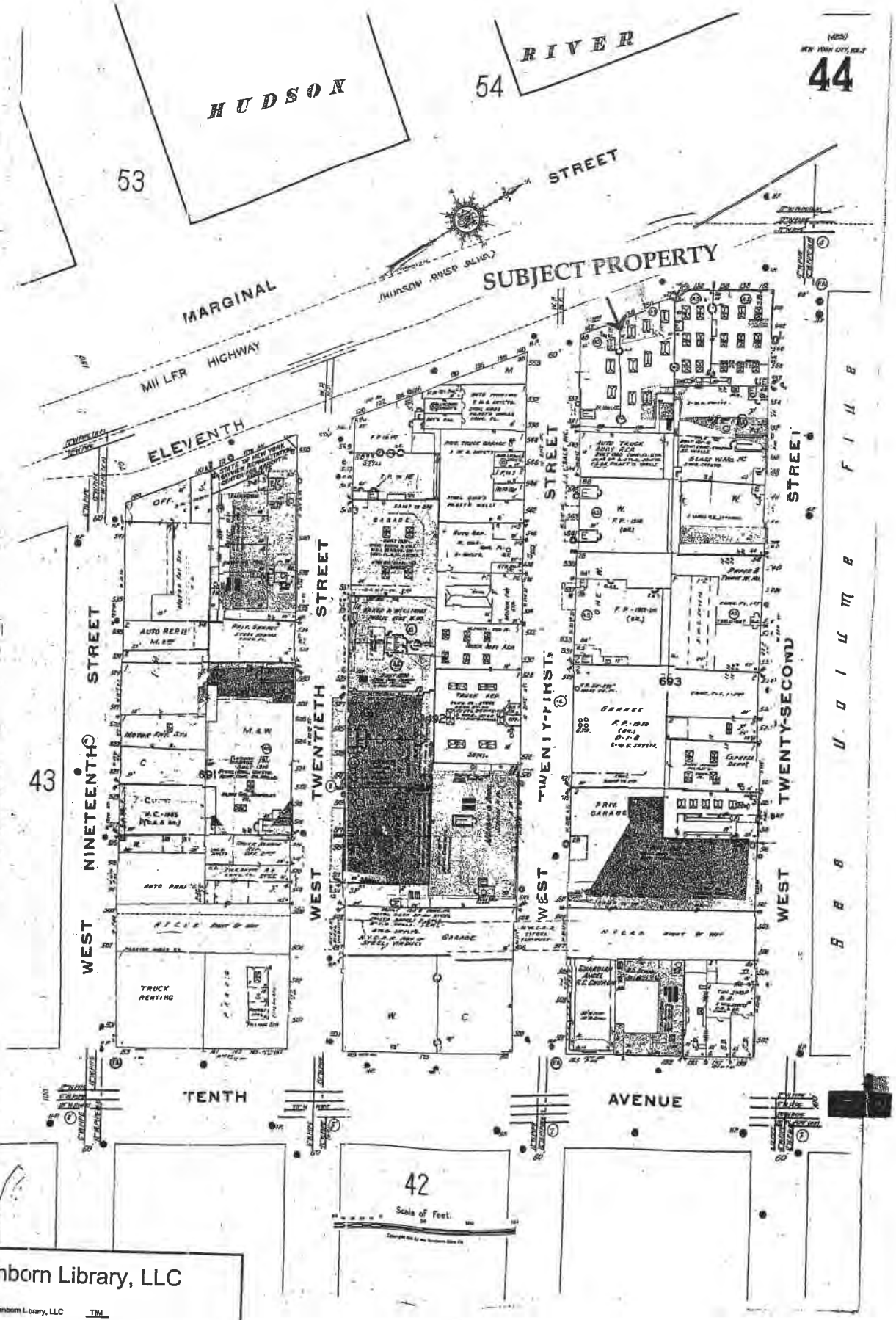

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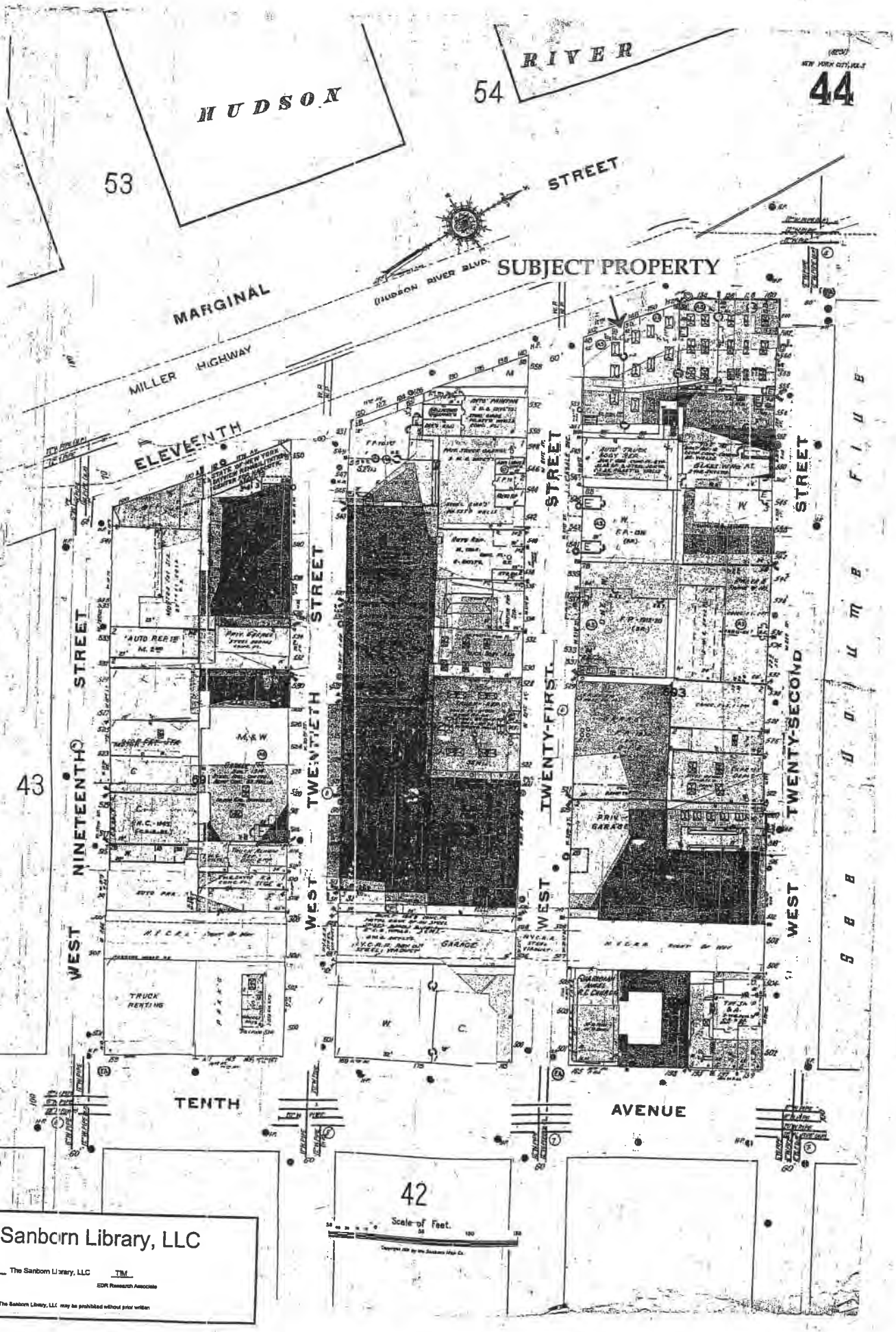

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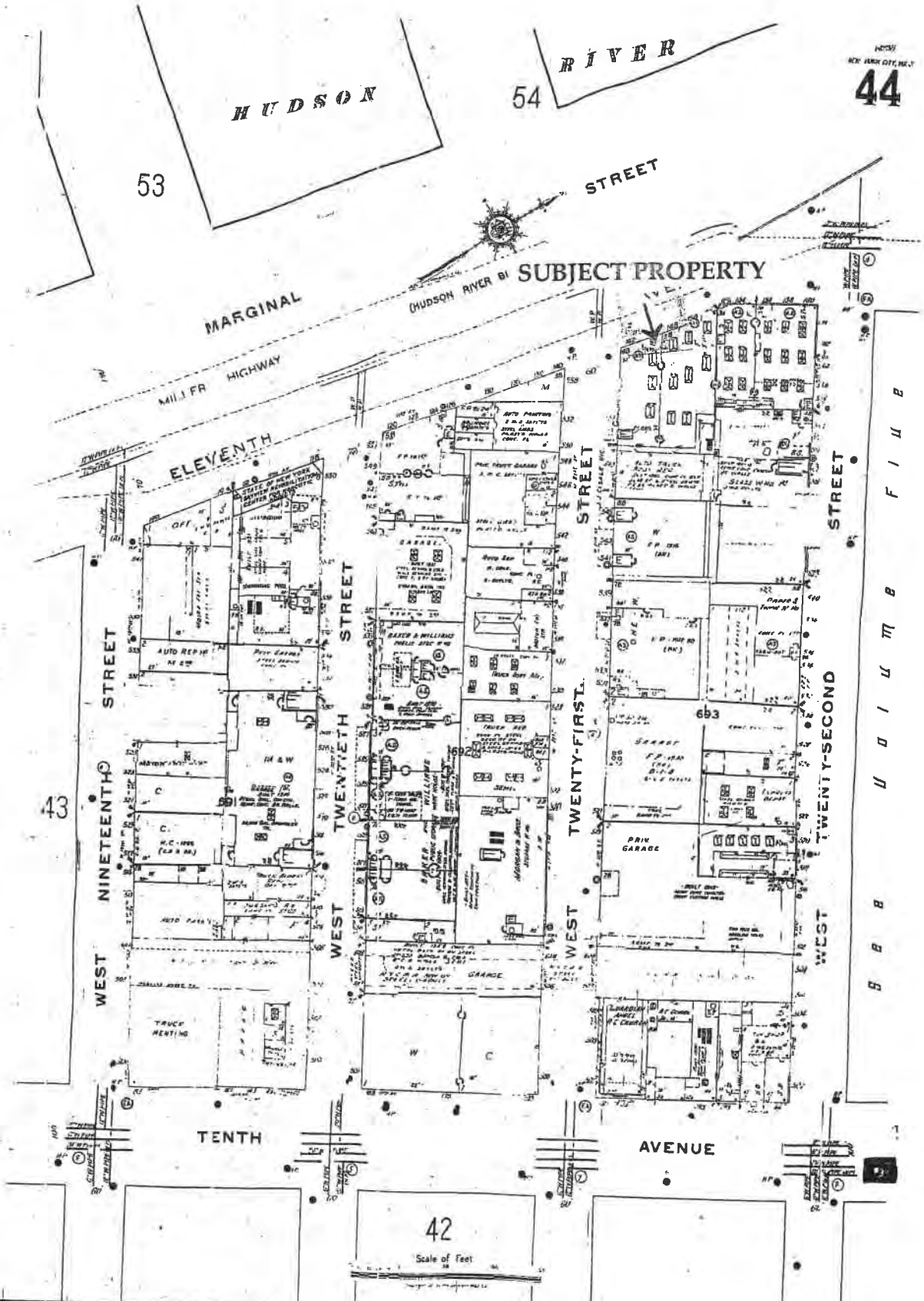

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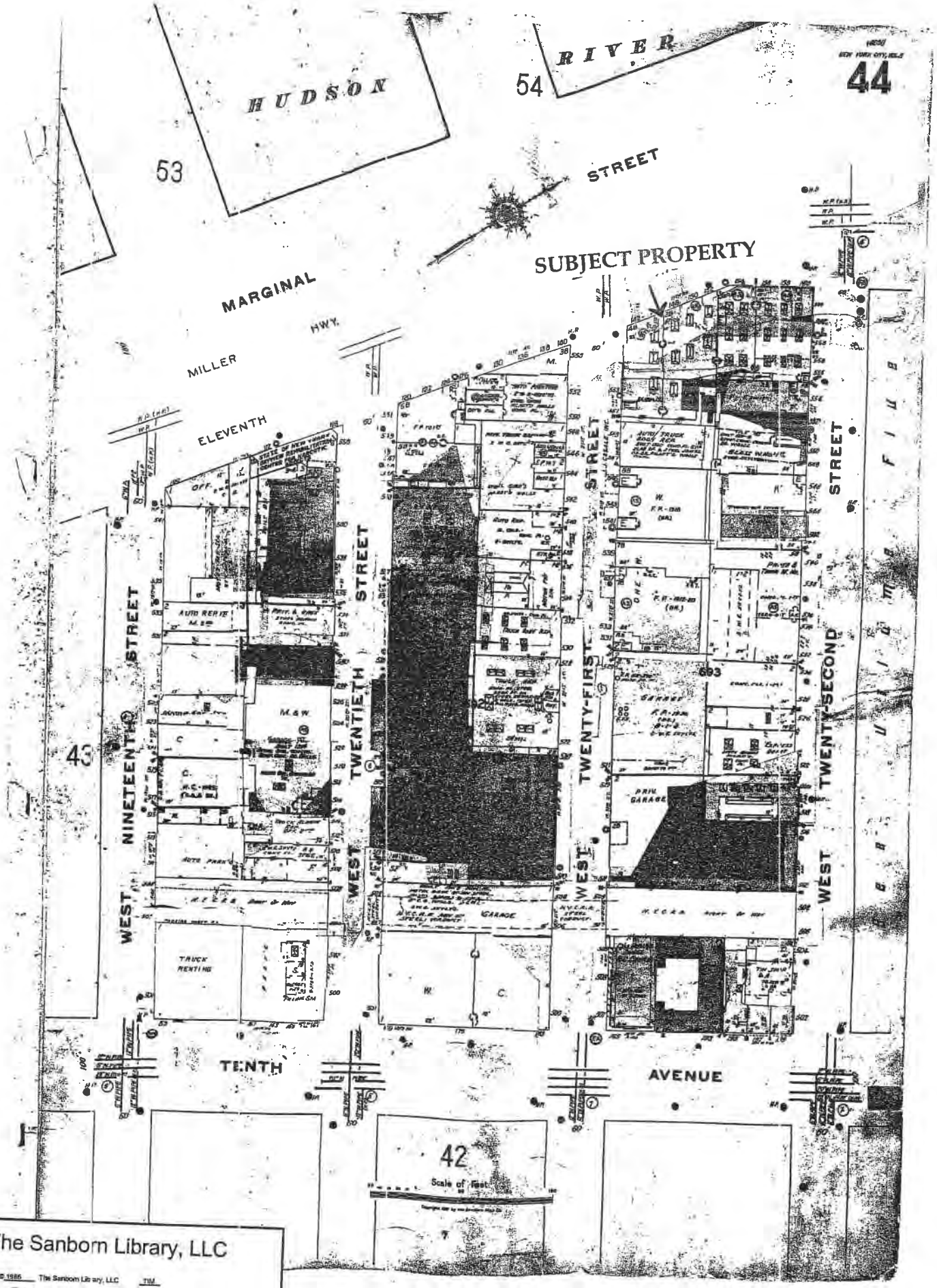

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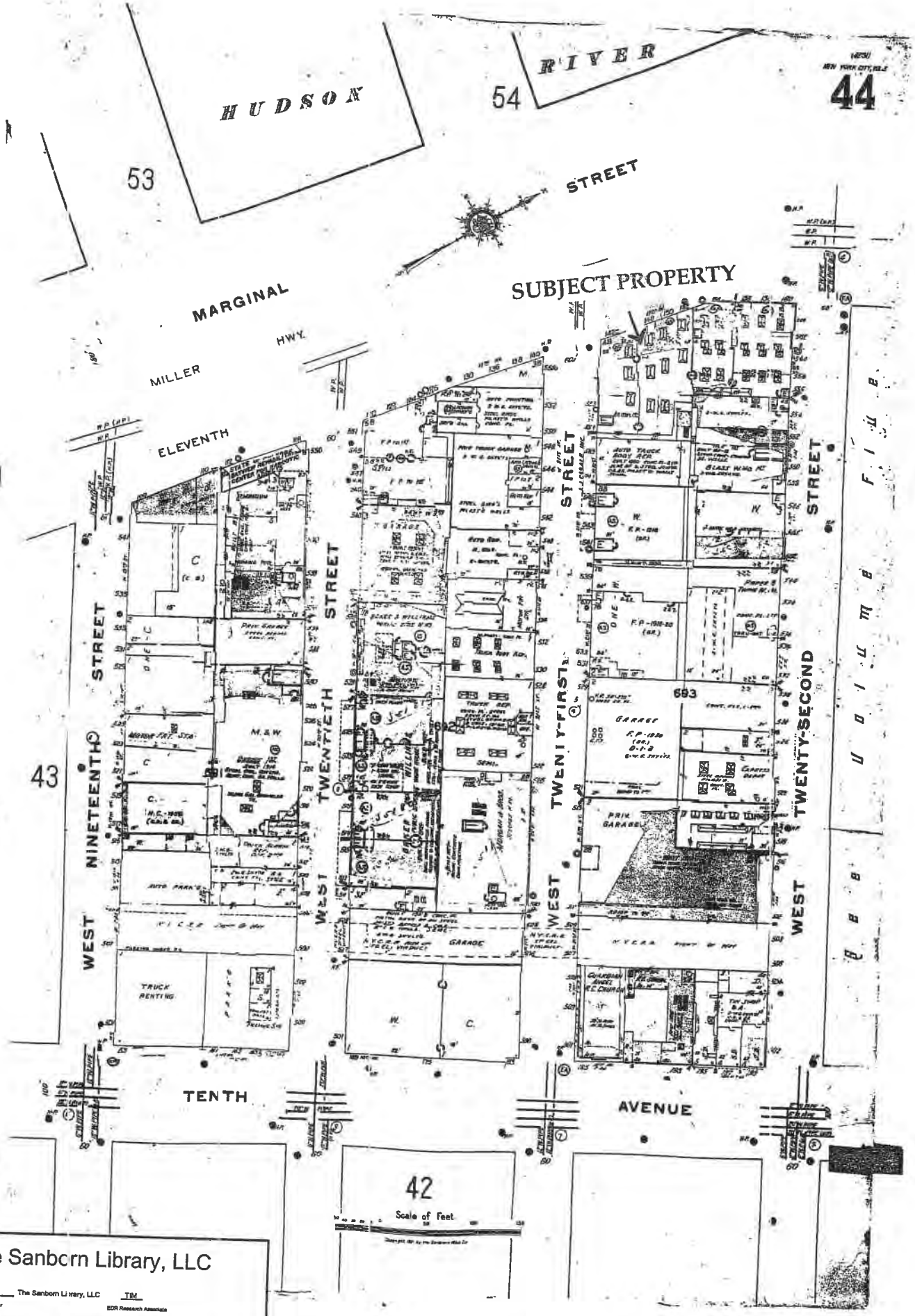

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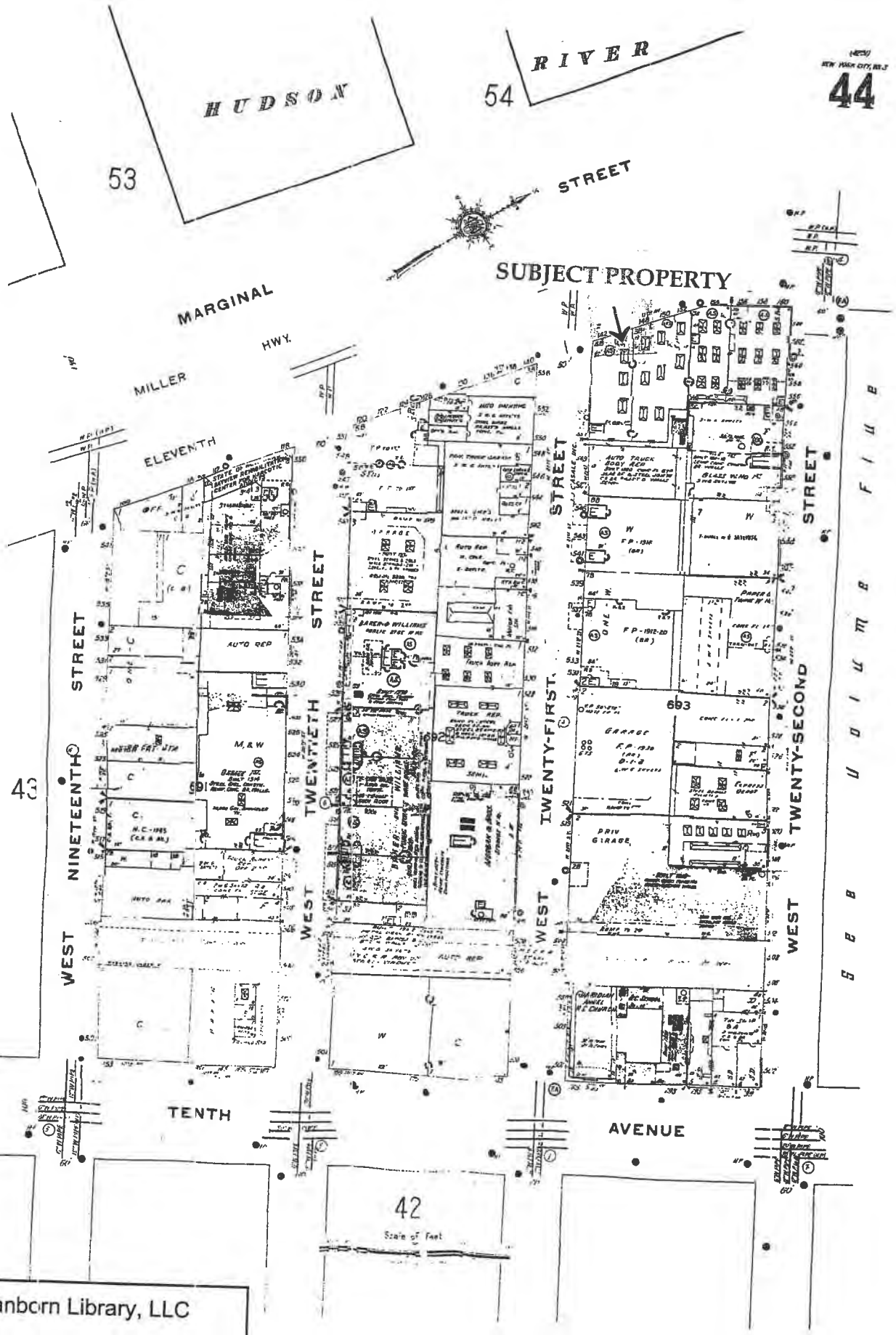

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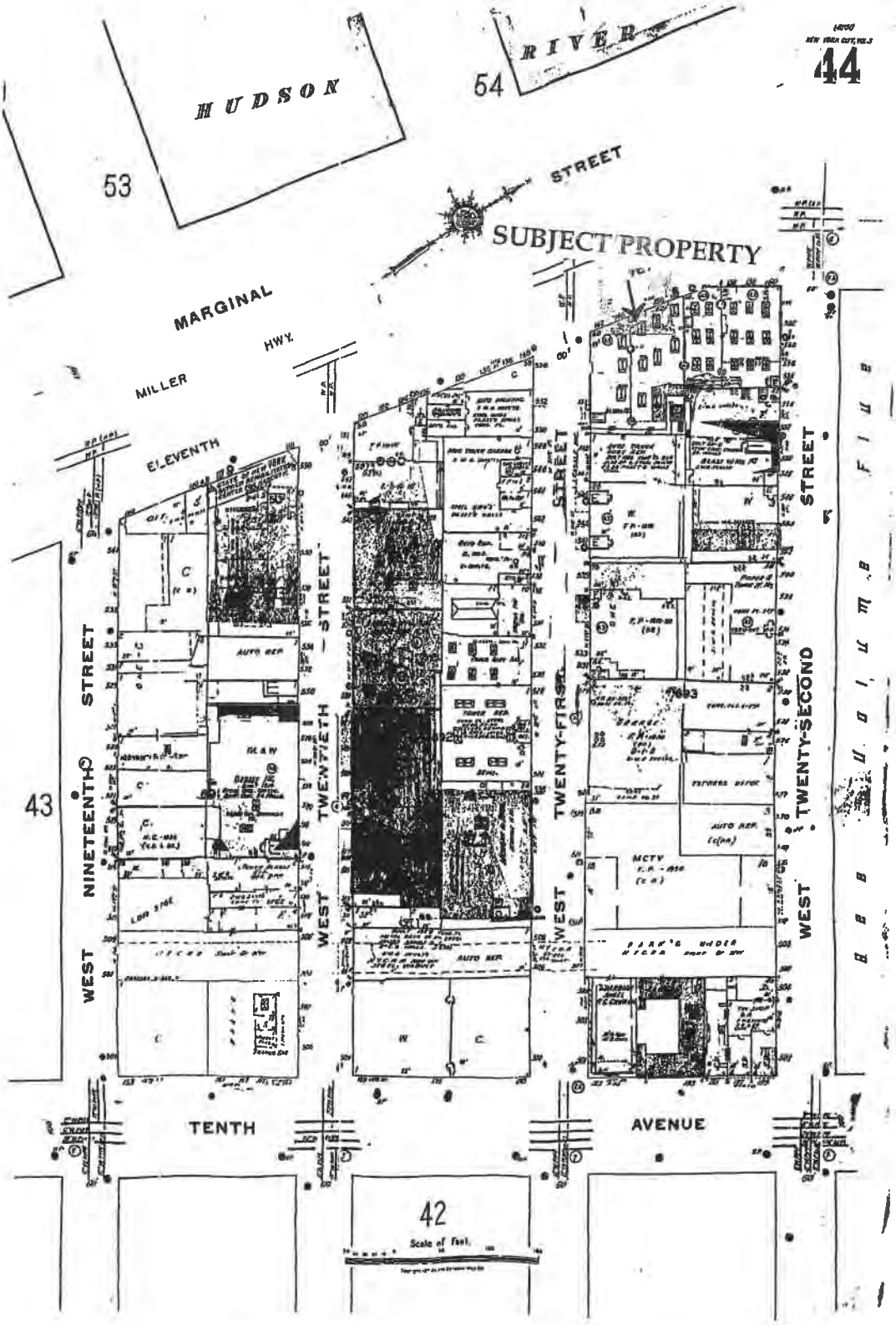

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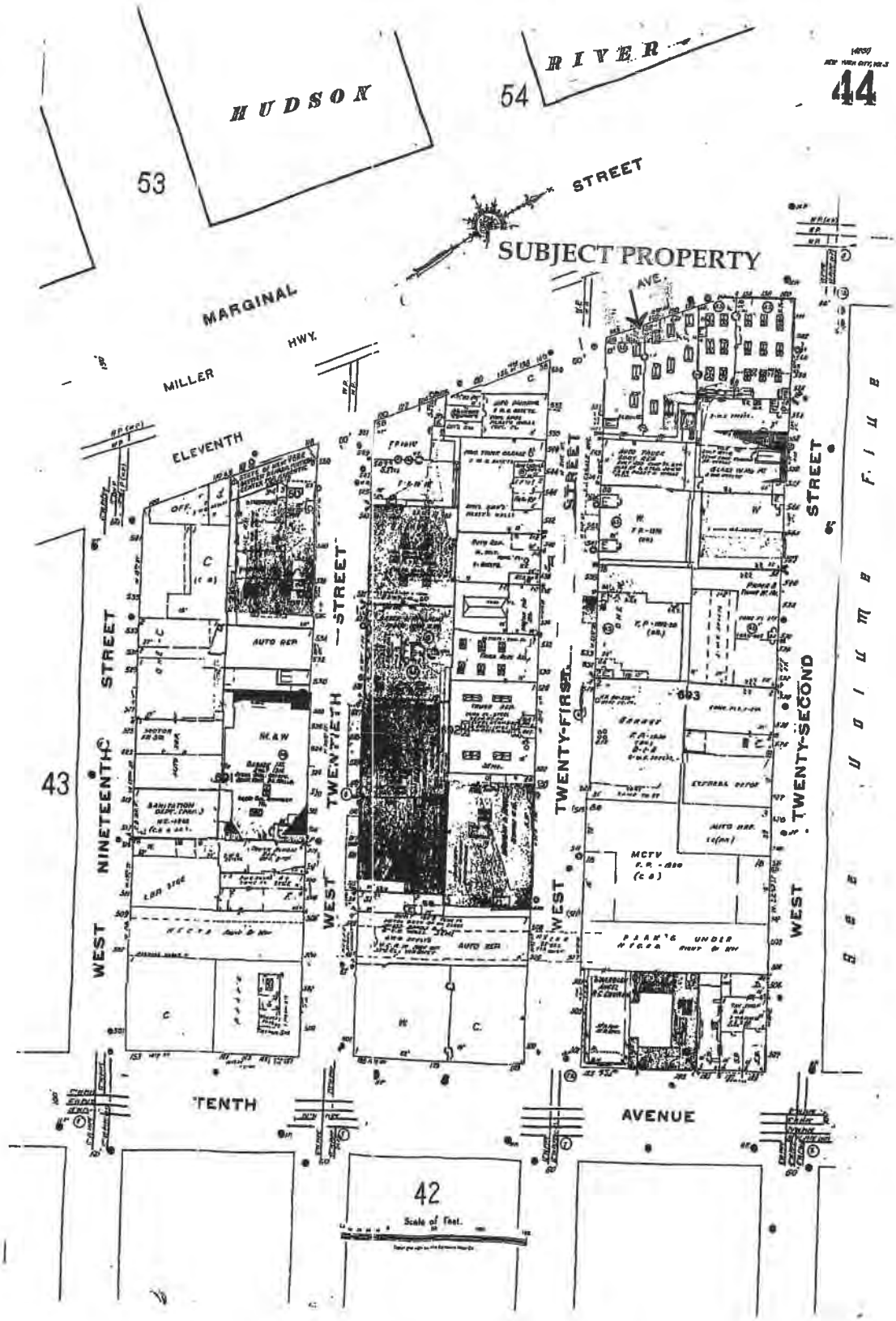

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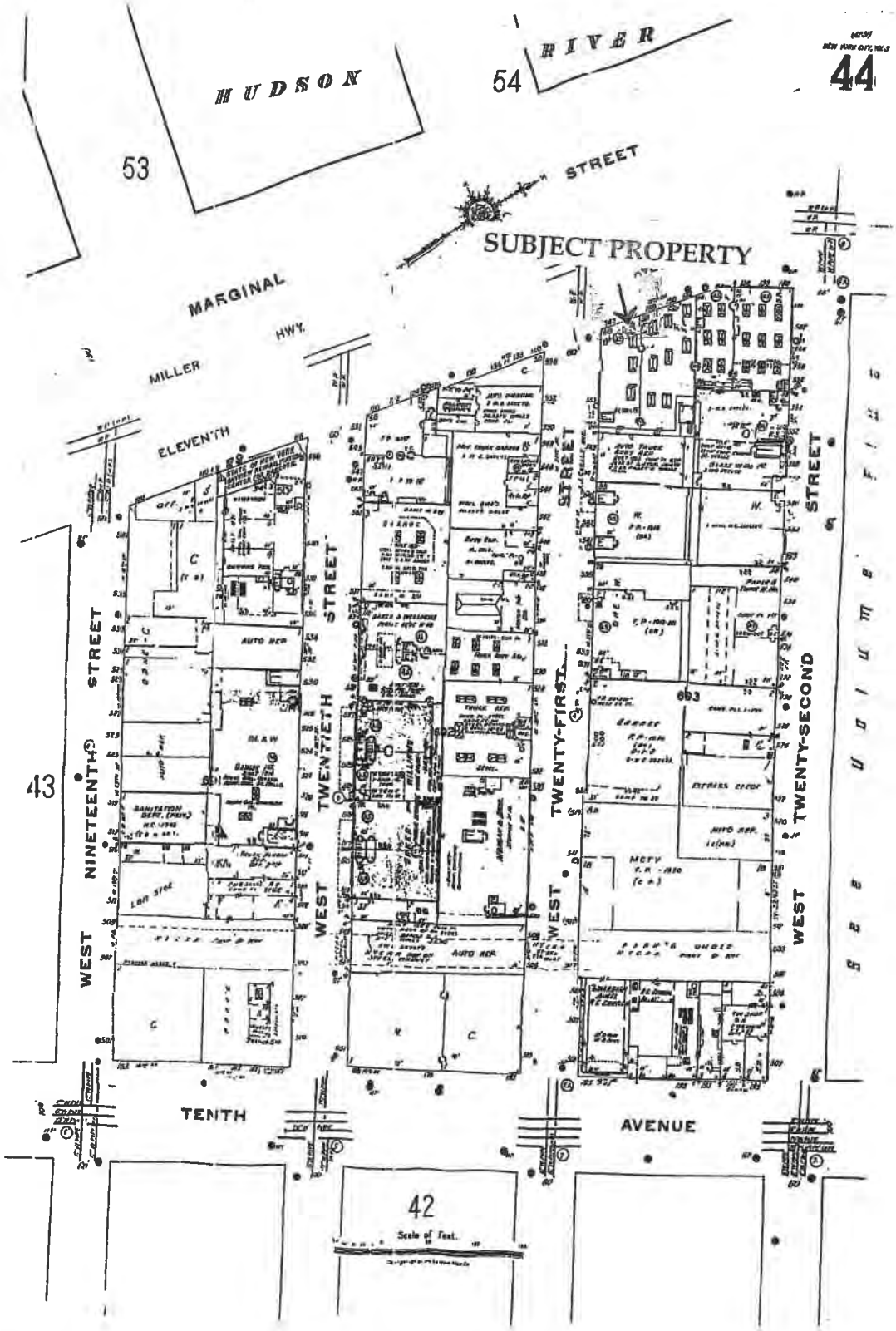

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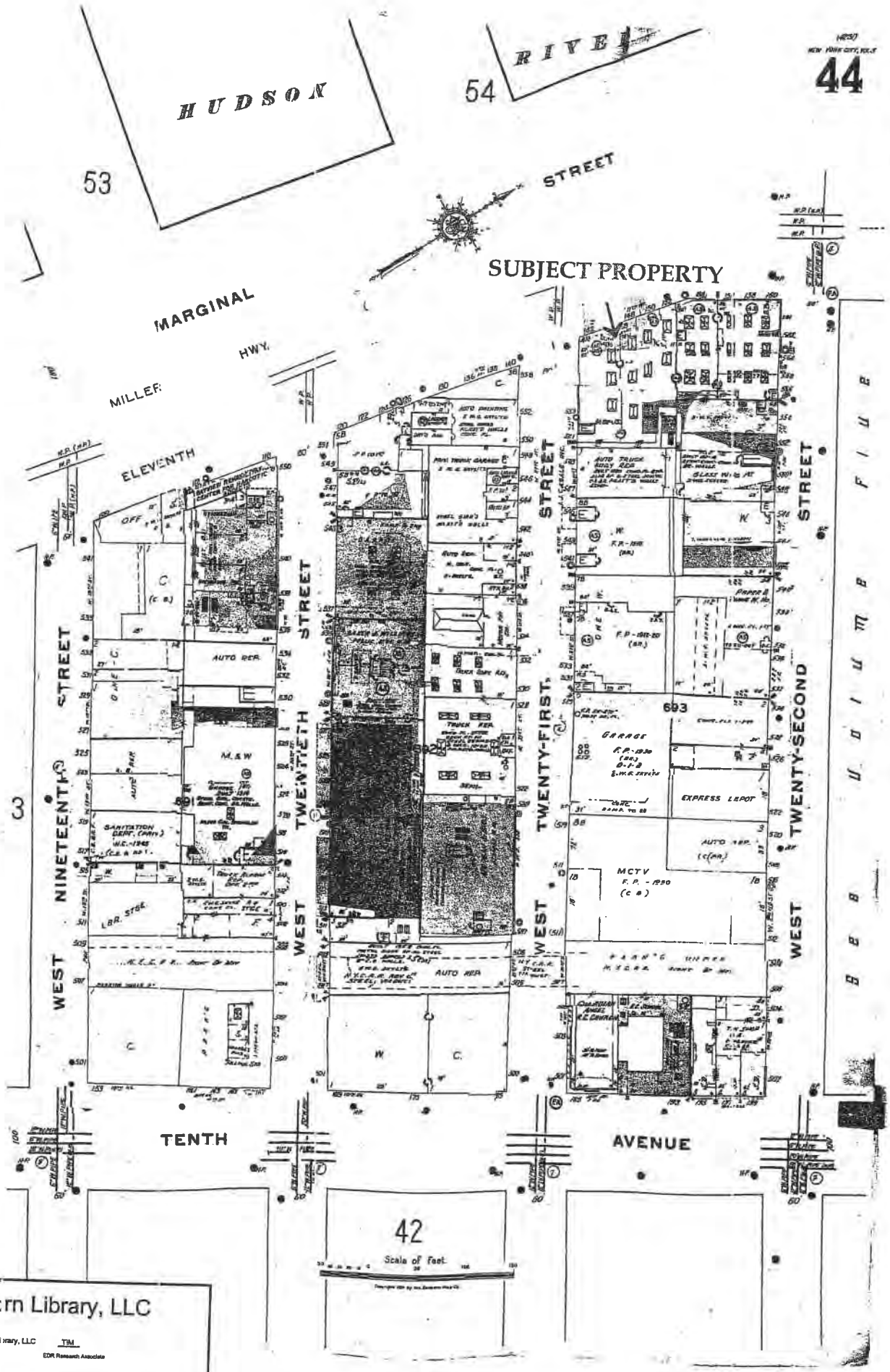

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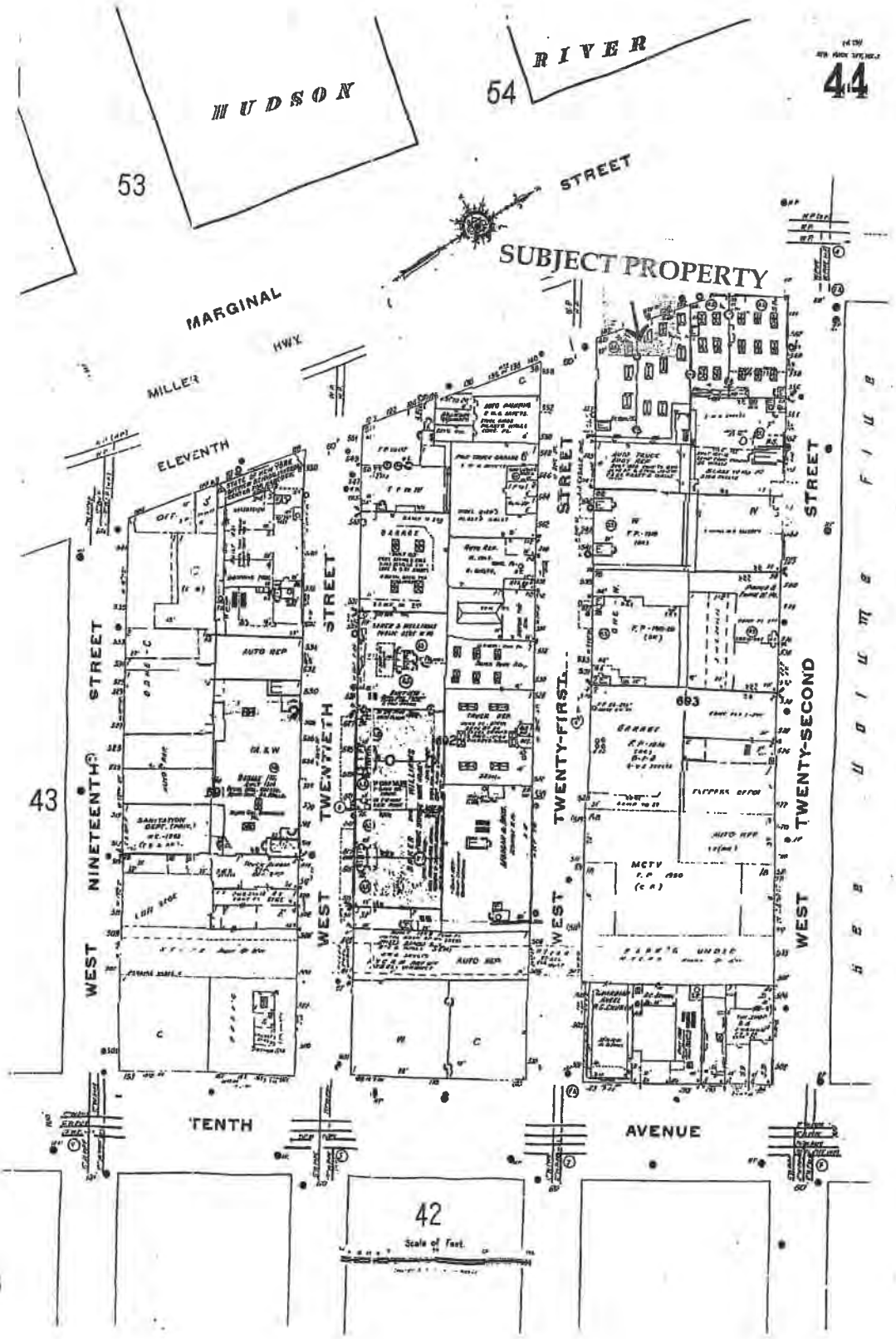

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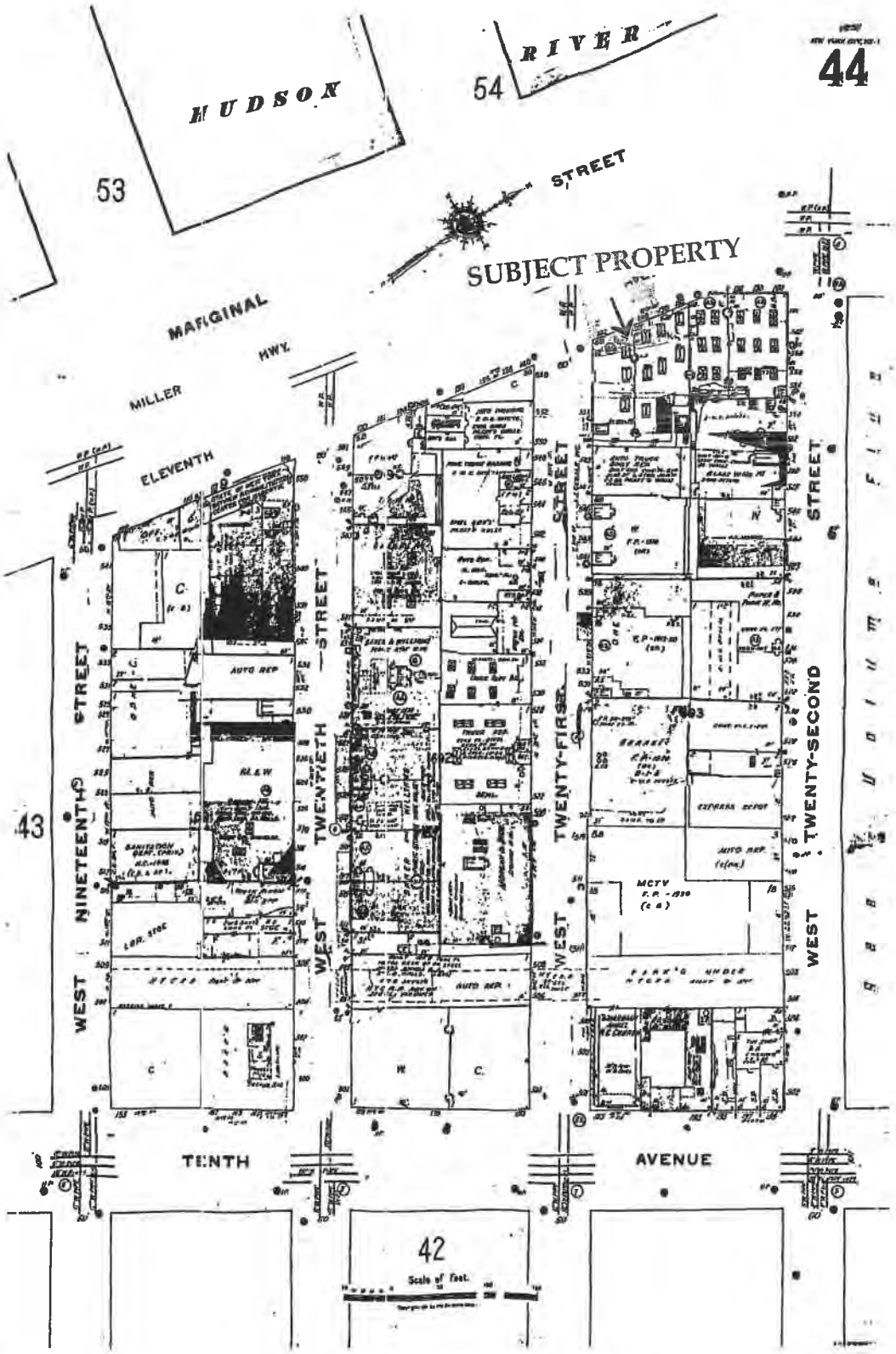

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APPENDIX D

DATABASE SEARCH RESULTS

The EDR Radius Map™ Report

551 West 21st Street
551 West 21st Street
Manhattan, NY 10011

Inquiry Number: 01244591.1r

August 05, 2004

EDR™ Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORM-GIL

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Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

551 WEST 21ST STREET
MANHATTAN, NY 10011

COORDINATES

Latitude (North)	40.747500 - 40' 44' 51.0"
Longitude (West):	74.007500 - 74' 0' 27.0"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	583791.4
UTM Y (Meters):	4510990.0
Elevation:	5 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	40074-F1 JERSEY CITY, NJ NY
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRIS-TSD..... Resource Conservation and Recovery Information System
RCRIS-LQG..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

CBS UST..... Chemical Bulk Storage Database

MOSF UST..... Major Oil Storage Facilities Database
SWTIRE..... Registered Waste Tire Storage & Facility List
SWRCY..... Registered Recycling Facility List

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
Delisted NPL..... National Priority List Deletions
FINDS..... Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
PADS..... PCB Activity Database System
US BROWNFIELDS..... A Listing of Brownfields Sites
INDIAN RESERV..... Indian Reservations
FUDS..... Formerly Used Defense Sites
UMTRA..... Uranium Mill Tailings Sites
DOD..... Department of Defense Sites
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems
FTTS INSP..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

HSWDS..... Hazardous Substance Waste Disposal Site Inventory
AST..... Petroleum Bulk Storage
MOSF AST..... Major Oil Storage Facilities Database
DEL SHWS..... Delisted Registry Sites
DRYCLEANERS..... Registered Drycleaners

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites
Brownfields..... Brownfields Site List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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

FEDERAL ASTM STANDARD

RCRIS: Resource Conservation and Recovery Information System. RCRIS 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. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 06/15/2004 has revealed that there are 8 RCRIS-SQG sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir		Map ID	Page
PENSKE TRUCK LEASING CO L P	***550 W 21ST ST***	***0 - 1/8***	***SE***	***B3***	***8***
HERTZ PENSKE TRUCK LEASING INC	***542 W 21ST ST***	***0 - 1/8***	***ESE***	***B5***	***11***
NYCDOC - BAYVIEW CORRECTIONAL	550 W 20TH ST	0 - 1/8	SSE	C7	15
U-HAUL CENTER CHELSEA	***562 W 23RD ST***	***0 - 1/8***	***NE***	***E12***	***23***
RATHE PRODUCTIONS INCORPORATED	***555 WEST 23RD STREET***	***0 - 1/8***	***ENE***	***E19***	***32***
CON ED - V 4289	532 W 20 ST	0 - 1/8	SE	G26	40

Lower Elevation	Address	Dist / Dir		Map ID	Page
EVERGREENE PAINTING STUDIOS	***635 W 23RD ST***	***0 - 1/8***	***N***	***F22***	***34***
NYSDOT - RTE 9A RECONSTRUCTION	***RTE 9A BLOCK 686 LOT 29***	***0 - 1/8***	***NNW***	***H29***	***43***

STATE ASTM STANDARD

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.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 2 SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CON EDISON WEST 28TH STREET	***231 11TH AVENUE***	***1/4 - 1/2 NNE***	***AK207***	***318***
RED BALL INTERIOR DEMOLITION	625 WEST 29 STREET	1/4 - 1/2 NNE	AT250	365

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

A review of the LTANKS list, as provided by EDR, and dated 04/26/2004 has revealed that there are 64 LTANKS sites within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
535 EAST 21ST STREET	535 EAST 21ST STREET	0 - 1/8 ESE	D8	15
562 W 23RD ST/MANHATTAN	562 WEST 23RD STREET	0 - 1/8 NE	E14	25
Not reported	555 WEST 23RD ST	0 - 1/8 ENE	E20	32
Not reported	537 -541 W. 24TH ST	1/8 - 1/4 ENE	J38	61
507 WEST 21ST STREET	507 WEST 21ST STREET	1/8 - 1/4 ESE	I41	68
EDISON PARKING GARAGE	527 WEST 23RD ST	1/8 - 1/4 ENE	J44	72
TANKFAILED MENDON LEASING	527 W. 23 ST.	1/8 - 1/4 ENE	J45	73
MENDON LEASING CORP	527 WEST 23RD STREET	1/8 - 1/4 ENE	J47	82
MENDEN LEASING	523 W 23RD ST	1/8 - 1/4 ENE	J49	85
193 10TH AVE	193 10TH AVE	1/8 - 1/4 ESE	58	94
201 11TH AVE/MANH/USPS	***201 11TH AVENUE***	***1/8 - 1/4 NNE***	***M63***	***104***
528 WEST 19TH ST/MANH	528 WEST 19TH STREET	1/8 - 1/4 SSE	K67	120
501-513 W. 19TH STREET	513 W. 19TH STREET	1/8 - 1/4 SSE	O74	127
GETTY 58542	***152 TENTH AVE***	***1/8 - 1/4 SSE***	***N75***	***128***
152-156 TENTH AVE/MANHATT	152-156 TENTH AVENUE	1/8 - 1/4 SSE	N76	134
MENDON LEASING CORP.	515 WEST 18TH STREET	1/8 - 1/4 SSE	R91	161
239 10TH AVENUE/GETTY	239 10TH AVENUE	1/8 - 1/4 ENE	S106	190
239 10TH AVE/MANH/GETTY	239 10TH AVENUE	1/8 - 1/4 ENE	S107	191
GETTY GAS STATION	239 10 AV	1/8 - 1/4 ENE	S108	192
555 WEST 17TH ST/MANH	555 WEST 17TH STREET	1/8 - 1/4 S	109	193
601 W. 26TH ST	601 W. 26TH ST	1/8 - 1/4 NNE	V119	206
601 WEST 26TH ST/MANH	601 WEST 26TH STREET	1/8 - 1/4 NNE	V122	216
AUTO CARE WEST	458-460 WEST 18TH ST	1/4 - 1/2 SSE	Z129	225
536 WEST 26TH STREET	536 WEST 26TH STREET	1/4 - 1/2 NE	AA131	227
PENSKE TRUCK LEASING CO L P	***536 W 26TH ST***	***1/4 - 1/2 NE***	***AA132***	***228***
DR. SERSINI	415 WEST 21ST STREET	1/4 - 1/2 ESE	AE145	242
415 W. 21ST STREET	415 W. 21ST STREET	1/4 - 1/2 ESE	AE146	243
COMMERCIAL BUILDING	260 11TH AVE	1/4 - 1/2 NNE	AF149	246
PIER 57- 11TH AVENUE	PIER 57 / 11TH AVENUE	1/4 - 1/2 S	AD155	249
NYC TRANSIT AUTH/MANHATTA	***WEST 15TH ST / 11TH A***	***1/4 - 1/2 S***	***AD164***	***273***
FREEDMAN CUTOUTS	444 WEST 17TH STREET	1/4 - 1/2 SSE	171	281
530 WEST 27TH ST/MANH	530 WEST 27TH STREET	1/4 - 1/2 NE	AH172	283
DEL. SPILL /W.28ST.&10AV	W.26ST / 10 AVE.	1/4 - 1/2 ENE	173	284
PIER 57- WESTSIDE HIGHWAY	PIER 57 / 17TH ST	1/4 - 1/2 S	AD175	286
19 11TH AVE/NYCTA-HUDSON	19 11TH AVE	1/4 - 1/2 S	178	289
505 W 27THST/CENTRAL IRON	505 W 27TH ST	1/4 - 1/2 NE	AI180	291
166-35 9TH AVE/	166-35 9TH AVENUE	1/4 - 1/2 SE	AJ181	292
271 11TH AVE/MANHATTAN	***271 11TH AVE***	***1/4 - 1/2 NNE***	***AK182***	***294***
11 ELEVENTH AVENUE	11 ELEVENTH AVENUE	1/4 - 1/2 S	AL187	300
168-11 12TH AVENUE	168-11 12TH AVENUE	1/4 - 1/2 N	227	339
303 10 AVE. MANHATTAN/UNK	303 10 AVE.	1/4 - 1/2 NE	AQ233	347
PARKING LOT OF	515 WEST 28TH ST	1/4 - 1/2 NE	237	351
501 W 14TH ST/SUNOCO	501 W 14TH ST	1/4 - 1/2 S	AR240	354
505 W 14 ST	505 W 14 ST / 10 AVE	1/4 - 1/2 S	AR241	355
400 WEST 25TH STREET	***400 WEST 25TH STREET***	***1/4 - 1/2 E***	***243***	***357***
D26TH ST. & HUDSON PKWY.	26TH ST. / HUDSON PKW	1/4 - 1/2 N	249	364
ELLIOTT	***426 WEST 27TH STREET***	***1/4 - 1/2 ENE***	***253***	***368***
524 WEST 29TH ST/MANH	524 WEST 29TH STREET	1/4 - 1/2 NE	AU254	374
HIGH RIDGE ENTERPRISES	524 W 29TH ST	1/4 - 1/2 NE	AU255	375
PUBLIC SCHOOL #33	281 9TH AVENUE	1/4 - 1/2 ENE	AX263	382
PS 33	***281 NINTH AVENUE***	***1/4 - 1/2 ENE***	***AX264***	***383***
Not reported	550 WEST 30TH STREET	1/4 - 1/2 NE	271	390
303 9TH AV/DEPT OF HEALTH	303 9TH AVENUE	1/4 - 1/2 ENE	AY274	394
W 30TH HELIPORT/MANHATTAN	W 30TH STREET HELIPORT	1/4 - 1/2 N	AZ278	399
30TH ST HELIPORT/MANH	30TH STREET HELIPORT	1/4 - 1/2 N	AZ279	400
UNKNOWN APARTMNT BUILDING	204 8 AV	1/4 - 1/2 ESE	BF294	414

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
310 WEST 18TH STREET	***310 WEST 18TH STREET***	***1/4 - 1/2 SE***	***BG302***	***424***
HELIPORT W 30TH ST/MANH	HELIPORT/WEST 30TH STRE	1/4 - 1/2 ENE	303	426
STUART DEAN COMPANY	366 10TH AV	1/4 - 1/2 NE	304	427
308 WEST 18TH ST	308 WEST 18TH ST	1/4 - 1/2 SE	BG309	432
MUTUAL REDEVELOPMENT HSNG	315 W 25 ST	1/4 - 1/2 E	BH310	433
POWER HOUSE	315 W 25TH ST	1/4 - 1/2 E	BH311	434

Lower Elevation	Address	Dist / Dir	Map ID	Page
PIER 57 & HUDSON DEPOT	15TH ST / ROUTE 9A	1/4 - 1/2 SSW	228	341
2 BLOOMFIELD STREET	***2 BLOOMFIELD STREET***	***1/4 - 1/2 SSW***	***300***	***420***

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

A review of the UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 31 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
DIA ART FOUNDATION	***548 W 22ND ST***	***0 - 1/8 E***	***4***	***8***
BAYVIEW CORR FAC	***550 WEST 20TH ST***	***0 - 1/8 SSE***	***C6***	***12***
JHT LEASING CORP	603 WEST 23RD ST	0 - 1/8 NNE	9	17
"U" HAUL OF METRO NEW YORK	562 WEST 23RD STREET	0 - 1/8 NE	E11	20
BERMUDA MOTOR CAR RENTING CO	537 WEST 20TH STREET	0 - 1/8 SSE	C18	28
TRIBECA MANAGEMENT	521 WEST 21TH STREET	0 - 1/8 ESE	D24	35
STORAGE USA	510 WEST 21ST STREET	1/8 - 1/4 ESE	I31	45
TIME WARNER CABLE / MANHATTAN	***511 WEST 21ST STREET***	***1/8 - 1/4 ESE***	***I34***	***48***
MENDON LEASING CORP	542 WEST 19TH ST	1/8 - 1/4 SSE	K37	57
THE HENRY LLOYD COMPANY	507 WEST 21ST STREET	1/8 - 1/4 ESE	I39	63
COSTCO WHOLESALE CORPORATION	527 WEST 23RD STREET	1/8 - 1/4 ENE	J46	74
ARTISTS' CONDOMINIUM	521 WEST 23RD STREET	1/8 - 1/4 ENE	J50	86
EMPIRE CITY SUBWAY CO LTD	177-83 10TH AVENUE	1/8 - 1/4 SE	60	97
DYNAMIC DELIVERY CORP.	202-208 11TH AVENUE	1/8 - 1/4 NNE	M61	98
U.S. POSTAL SERVICE - MANHATTA	***201 11TH AVENUE***	***1/8 - 1/4 NNE***	***M65***	***108***
GETTY 58542	***152 TENTH AVE***	***1/8 - 1/4 SSE***	***N75***	***128***
TOSICO #34649	***215 10TH AVE***	***1/8 - 1/4 E***	***P77***	***135***
210 ELEVENTH AVENUE	210 11TH AVENUE	1/8 - 1/4 NNE	Q81	149
GULF SERVICE STA	500 W 23RD ST	1/8 - 1/4 E	P83	152
MENDON LEASING CORP	515 WEST 18TH ST	1/8 - 1/4 SSE	R93	164
ADOLPHS TRUCKING CO, INC	507-11 WEST 24TH ST	1/8 - 1/4 ENE	S96	170
DHL WORLDWIDE EXPRESS	560 W 25TH ST (550 W 25	1/8 - 1/4 NE	T98	175
MENDON LEASING CORP	131 TENTH AVE	1/8 - 1/4 SSE	R101	179
POWERTEST/GETTY 00341	239 10TH AVE	1/8 - 1/4 ENE	S102	183
534-548 WEST 25TH STREET	534-548 WEST 25TH STREE	1/8 - 1/4 NE	U111	195
BALWARK BUILDING	239 11TH AVE	1/8 - 1/4 NNE	V115	203
511 WEST 25TH STREET	511 W 25TH ST	1/8 - 1/4 ENE	W116	204
601 WEST ASSOCIATES LLC	601 WEST 26TH STREET	1/8 - 1/4 NNE	V120	207
LONDON TERRACE TOWERS	470 WEST 24 STREET	1/8 - 1/4 E	Y126	221
FREEDMAN REALTY	110 TENTH AVENUE	1/8 - 1/4 S	X127	222

Lower Elevation	Address	Dist / Dir	Map ID	Page
635 WEST 23RD ST	635 W 23RD ST	0 - 1/8 N	F23	34

EXECUTIVE SUMMARY

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.

A review of the VCP list, as provided by EDR, and dated 03/17/2004 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CON EDISON - EAST 19TH ST. STA	524 E. 19TH ST.	1/8 - 1/4 SSE	K68	121
19TH STREET DEVELOPMENT SITE	80 11TH AVENUE	1/8 - 1/4 SSW	94	168

STATE OR LOCAL ASTM SUPPLEMENTAL

CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there is 1 CBS AST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
U.S. POSTAL SERVICE - MANHATTA	***201 11TH AVENUE***	***1/8 - 1/4 NNE***	***M65***	***108***

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.

A review of the NY Spills list, as provided by EDR, has revealed that there are 211 NY Spills sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WEST 42 ND ST BETWEEN	11TH / 12TH AVENUE	0 - 1/8 N	A1	6
11TH AVE & 12TH AVE	11TH AVE / 12TH AVE	0 - 1/8 N	A2	7
U-HAUL	532 WEST 23RD STREET	0 - 1/8 NE	E10	18
562 WEST 23RD STREET	532 WEST 23RD STREET	0 - 1/8 NE	E13	24
VACANT LOT	559 W. 23RD ST.	0 - 1/8 NE	E15	26
VACANT LOT	559 W. 23RD ST.	0 - 1/8 NE	E16	27
537 WEST 20TH STREET / MA	537 WEST 20TH STREET	0 - 1/8 SSE	C17	27
555 WEST 23RD ST	555 WEST 23RD ST	0 - 1/8 ENE	E21	33
Not reported	532 W 20TH ST	0 - 1/8 SE	G25	40
529 WEST 20TH STREET	529 WEST 20TH STREET	0 - 1/8 SE	G27	40
MANHOLE 24185	518 - 22 W 204 ST	0 - 1/8 E	28	42
STORAGE USA	510 WEST 21ST ST	1/8 - 1/4 ESE	I30	43
Not reported	535 WEST 23RD ST	1/8 - 1/4 ENE	J32	46
GOLDBERG	511 WEST 21TH ST.	1/8 - 1/4 ESE	I33	47
TIME WARNER CABLE / MANHATTAN	***511 WEST 21ST STREET***	***1/8 - 1/4 ESE***	***I34***	***48***
SERVICE BOX 3769	508 WEST 21ST ST	1/8 - 1/4 ESE	I35	55
506-509 W 21ST & 22ND STS	509 WEST 21ST	1/8 - 1/4 ESE	I36	56
507 W 21ST ST	507 W 21ST ST	1/8 - 1/4 ESE	I40	67
VACANT LOT	507 WEST 21ST STREET	1/8 - 1/4 ESE	I42	70
512 WEST 20TH ST/MANH	512 WEST 20TH STREET	1/8 - 1/4 SE	L43	71

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MENDON LEASING	527 WEST 23RD STREET	1/8 - 1/4 ENE	J48	83
543 TO 547 W. 23 ST. MANH	543 TO547 W. 23 ST.	1/8 - 1/4 ENE	J51	88
201 ST & 10 AVE/SHELL	201 ST / 10 AVENUE	1/8 - 1/4 ESE	I52	89
RESIDENCE	188 10TH AVE	1/8 - 1/4 ESE	I53	90
US POST SERVICE-VEH MNTNC	201 11TH AV	1/8 - 1/4 NNE	M57	94
215 10TH AVENUE &23RD ST.	215 10TH AVENUE / 23R	1/8 - 1/4 E	59	95
UNITED STATES POSTAL	201 11TH AVE	1/8 - 1/4 NNE	M62	102
201 11TH AVE/MANH/USPS	***201 11TH AVENUE***	***1/8 - 1/4 NNE***	***M63***	***104***
US POSTAL SERV. GARAGE	201 11TH AVE	1/8 - 1/4 NNE	M64	107
Not reported	528 WEST 19TH ST	1/8 - 1/4 SSE	K66	119
560 WEST 24TH ST	560 WEST 24TH ST	1/8 - 1/4 NE	69	121
W 20 ST AND 10TH AVE	WEST 20TH ST / 10TH A	1/8 - 1/4 SE	L70	122
OLD GAS STATION	10TH AV / 20TH ST	1/8 - 1/4 SE	L71	123
DYNAMIC DELIVERY CORP	202 -208 11TH AVE	1/8 - 1/4 NNE	M72	124
DANNY'S PARKING LOT	161-165 10TH AVE	1/8 - 1/4 SE	N73	126
EXXON STATION	215 10TH AVE	1/8 - 1/4 E	P78	147
215 10TH AVE.	215 10TH AVE.	1/8 - 1/4 E	P79	147
Not reported	210 11TH AVE	1/8 - 1/4 NNE	Q80	148
CHEVRON W. 23 ST GW SPILL	500 W. 23RD ST.	1/8 - 1/4 E	P82	151
Not reported	W 23RD ST/ E 10TH AVE	1/8 - 1/4 E	P84	157
Not reported	WEST 23RD ST / 10TH A	1/8 - 1/4 E	P85	157
COMERCIAL PROPERTY	210 11TH AVE	1/8 - 1/4 NNE	Q86	157
COMERCIAL PROPERTY	210 11TH AVE	1/8 - 1/4 NNE	Q87	158
NYC TRANSIT BUS	10TH AVE / 23RD ST	1/8 - 1/4 E	P88	158
MAN HOLE 16721	WEST 23RD ST/10TH AV	1/8 - 1/4 E	P89	159
131 10TH AVENUE	131 10TH AVENUE	1/8 - 1/4 SSE	O90	160
515 W 18 ST	515 WEST 18TH ST	1/8 - 1/4 SSE	R92	162
560 WEST 25TH ST/MANHATTA	560 WEST 25TH STREET	1/8 - 1/4 NE	T97	174
GRAPHIC PROPERTIES	555 WEST 25TH STREET	1/8 - 1/4 NE	T99	176
Not reported	18TH ST/10TH AVE	1/8 - 1/4 SSE	R100	178
GETTY GAS #341	239 10TH AVE	1/8 - 1/4 ENE	S103	187
GETTY STATION #341	239 10TH AVE	1/8 - 1/4 ENE	S104	188
10TH AVE. & 24TH STREET	239 10TH AVE.	1/8 - 1/4 ENE	S105	189
246 10TH AVENUE	246 10TH AVENUE	1/8 - 1/4 ENE	S110	194
Not reported	534 W 25TH ST	1/8 - 1/4 NE	U112	200
Not reported	534-548 W 25TH ST	1/8 - 1/4 NE	U113	202
Not reported	520 W 25TH ST	1/8 - 1/4 ENE	U114	203
TRUCKING FACILITY	510 WEST 25TH STREET	1/8 - 1/4 ENE	W117	205
601 W 26TH ST	601 W 26TH ST	1/8 - 1/4 NNE	V121	215
601 WEST 26TH STREET	601 WEST 26TH STREET	1/8 - 1/4 NNE	V123	217
RESI: LOUDON TERRECE	470 WEST 24TH ST	1/8 - 1/4 E	Y124	219
470 WEST 24TH ST/MANH	470 WEST 24TH STREET	1/8 - 1/4 E	Y125	220
APARTMENT BUILDING	601 WEST 26TH STREEET	1/8 - 1/4 NNE	V128	225
537 W 26TH ST	537 W 26TH ST	1/4 - 1/2 NE	AA130	226
TUG SAMPSON MTS ITSDELILA	BET. PIERS 63 / 64,23	1/4 - 1/2 N	133	230
LONDON TERRACE GARDENS	450 WEST 24TH ST	1/4 - 1/2 E	AB135	231
BET 9TH & 10TH AVE W 16ST	10TH AVE / W 16ST ST	1/4 - 1/2 S	137	233
Not reported	445 WEST 18TH ST (OPP)	1/4 - 1/2 SSE	Z138	234
MANHOLE 3245	441 W 18TH ST	1/4 - 1/2 SSE	AC139	235
440 WEST 24TH ST/MANHATTA	440 WEST 24TH STREET	1/4 - 1/2 E	AB140	237
440 W. 24TH ST	440 W. 24TH ST	1/4 - 1/2 E	AB141	238
VERIZON	438 WEST 18 ST	1/4 - 1/2 SSE	AC142	239
HUDSON PIER BUS DEPOT	W 15TH ST + 11TH AVE	1/4 - 1/2 S	AD143	240
COMMERCIAL BUILDING	85 10TH AVE	1/4 - 1/2 S	AD144	241
Not reported	11TH AV BET 26TH / 27	1/4 - 1/2 NNE	AF147	244
Not reported	WEST 27TH ST/11TH AVE	1/4 - 1/2 NNE	AF148	245

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
Not reported	416 W. 20TH ST	1/4 - 1/2 SE	AG150	246
Not reported	414 WEST 20TH	1/4 - 1/2 SE	AG151	247
Not reported	414 WEST 20TH	1/4 - 1/2 SE	AG152	247
Not reported	414 WEST 20TH STREET	1/4 - 1/2 SE	AG153	247
Not reported	414 W 20TH ST	1/4 - 1/2 SE	AG154	248
PIER # 57 -11TH AVE	11TH AVE / 15TH ST	1/4 - 1/2 S	AD156	250
WEST 15TH ST & 11TH AVE	WEST 15TH ST / 11TH A	1/4 - 1/2 S	AD157	251
HUDSON BUS DEPOT	W 15TH ST / 11TH AV	1/4 - 1/2 S	AD158	252
W 15TH ST & 11TH AVE	W 15TH ST / 11TH AVE	1/4 - 1/2 S	AD159	253
NYC TRANSIT	W. 15TH ST / 11TH AVE	1/4 - 1/2 S	AD160	254
HUDSON DEPOT	WEST 15TH ST/11TH AVE	1/4 - 1/2 S	AD161	255
HUDSON BUS DEPOT	***11TH AVE & WEST 15TH ST***	***1/4 - 1/2 S***	***AD162***	***256***
15TH ST & W SIDE HWY	15TH ST / WEST SIDE HWY	1/4 - 1/2 S	AD163	272
NYC TRANSIT AUTH/MANHATTA	***WEST 15TH ST / 11TH A***	***1/4 - 1/2 S***	***AD164***	***273***
W. 15TH STREET	W. 15TH / 11TH STREET	1/4 - 1/2 S	AD165	275
PIER 57	11TH AVE / 15TH ST	1/4 - 1/2 S	AD166	276
PIER 57	15TH STREET / 11TH AV	1/4 - 1/2 S	AD167	277
15TH ST & 11TH AVE	15TH ST / 11TH AVE	1/4 - 1/2 S	AD168	278
HUDSON DEPOT	WEST 15TH ST / 11TH AV	1/4 - 1/2 S	AD169	279
HUDSON PIER BUS TERMINAL	W. 15TH ST / 11TH AVE.	1/4 - 1/2 S	AD170	280
LUNDON TERRACE GARDEN APT	415 WEST 23RD ST	1/4 - 1/2 E	174	285
519 WEST 27TH STREET	519 WEST 27TH STREET	1/4 - 1/2 NE	AH176	287
515	515 W. 27TH ST	1/4 - 1/2 NE	AI177	288
MANHOLE #3794	WEST 21ST ST / 9TH AV	1/4 - 1/2 ESE	AE179	290
271 11TH AVE/MANHATTAN	***271 11TH AVE***	***1/4 - 1/2 NNE***	***AK182***	***294***
WATERFRONT NY REALTOR	271 11 AVE	1/4 - 1/2 NNE	AK183	296
WEST 20TH ST & 9TH AVENUE	WEST 20TH ST / 9TH AVEN	1/4 - 1/2 SE	AJ184	297
10TH AVENUE & 15 STREET	10TH AVENUE / 15TH STRE	1/4 - 1/2 S	AL185	298
291 10TH AVENUE / NEW YOR	291 10TH AVENUE	1/4 - 1/2 NE	AM186	299
CHELSEA HOUSES	431 WEST 25TH ST	1/4 - 1/2 E	AN188	301
M&L WEST SIDE AUTO REPAIR	27TH ST / 10TH AVE	1/4 - 1/2 NE	AM189	302
ACROSS FROM WEINBURG RES.	450 W 16TH ST	1/4 - 1/2 SSE	AO190	304
ELLIOT HOUSES	427 W 26 ST	1/4 - 1/2 ENE	191	305
Not reported	448 WEST 16 ST	1/4 - 1/2 SSE	AO192	306
VAULT 632	448 W 16TH ST	1/4 - 1/2 SSE	AO193	307
410 W 24TH STREET	410 W. 24TH ST APT 15-H	1/4 - 1/2 E	194	308
216 9TH AVE/MANH/NYCTA	216 9TH AVENUE	1/4 - 1/2 E	196	310
APARTMENT BLDG	425 WEST 25TH ST	1/4 - 1/2 E	AN197	311
70 10 AVENUE	70 10 AVENUE	1/4 - 1/2 S	AL198	312
CON ED 29TH YARD	281 11TH AVE	1/4 - 1/2 NNE	AK199	313
WEST 28TH STREET YARD	281 11TH AVE	1/4 - 1/2 NNE	AK200	314
CON ED 29TH YARD	281 11TH AVE	1/4 - 1/2 NNE	AK201	314
WEST 28TH STREET YARD	281 11TH AVE	1/4 - 1/2 NNE	AK202	314
CON ED	W. 28TH / 11TH AVE	1/4 - 1/2 NNE	AK203	315
71-22 10TH AVE/BKLYN	71-22 10TH AVENUE	1/4 - 1/2 S	AL204	315
WEST 28TH ST YARD	WEST 28TH/11TH AVE	1/4 - 1/2 NNE	AK205	316
WEST 28 TH ST YARD	281 11 TH AV	1/4 - 1/2 NNE	AK206	317
CON EDISON WEST 28TH STREET	***281 11TH AVENUE***	***1/4 - 1/2 NNE***	***AK207***	***318***
WEST 28TH ST CABLE YARD	281 11TH AVE	1/4 - 1/2 NNE	AK208	321
281 11TH AVE	281 11TH AVE	1/4 - 1/2 NNE	AK209	322
Not reported	28TH ST/11TH AVE	1/4 - 1/2 NNE	AK210	323
WEST 28TH ST	281 11TH AVE	1/4 - 1/2 NNE	AK211	323
CON ED TRANSPORTATION YD	281 W 11TH AVE	1/4 - 1/2 NNE	AK212	324
CON ED FACILITY	281 11TH AVE	1/4 - 1/2 NNE	AK213	325
WEST 28TH ST SERVICE CTR	281 11TH AVE	1/4 - 1/2 NNE	AK214	327
28TH ST YARD	281 11TH AVE	1/4 - 1/2 NNE	AK215	328

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ROADWAY	WEST 28TH ST / 11TH AVE	1/4 - 1/2 NNE	AK216	328
WEST 28TH ST TRANS SHOP	281 11TH AVE	1/4 - 1/2 NNE	AK217	329
WEST 28TH ST STATION	281 11TH AVE	1/4 - 1/2 NNE	AK218	330
WEST 28TH ST YARD	281 11TH AVE	1/4 - 1/2 NNE	AK219	331
VAULT 0853	W 28TH ST / 11TH AVE	1/4 - 1/2 NNE	AK220	333
WEST 20TH ST YARD	281 11TH AVE	1/4 - 1/2 NNE	AK221	333
W28TH ST YARD	281 11TH AV	1/4 - 1/2 NNE	AK222	334
CON ED - 28TH ST GARAGE	281 11TH AV	1/4 - 1/2 NNE	AK223	335
28TH ST TRANSP. GARAGE	281 11TH AV	1/4 - 1/2 NNE	AK224	336
WEST 28TH YARD	281 11TH AVENUE	1/4 - 1/2 NNE	AK225	337
Not reported	70 TENTH AVE	1/4 - 1/2 S	AL226	338
Not reported	418 WEST 25 TH ST	1/4 - 1/2 E	AN229	342
418 W 25TH ST ASSOCIATES	***418 W 25TH ST***	***1/4 - 1/2 E***	***AN230***	***343***
Not reported	628 W 28TH ST	1/4 - 1/2 NNE	231	345
538 W 28TH ST	538 W 28TH ST	1/4 - 1/2 NE	AP232	346
SERVICE STATION	303 10TH AVE.	1/4 - 1/2 NE	AQ234	348
WEST 28TH ST PARKING GAR.	534-536 WEST 28TH STREE	1/4 - 1/2 NE	AP235	349
PIER 57	WEST ST / 14TH ST	1/4 - 1/2 S	236	350
455 WEST 15TH STREET	455 WEST 15TH STREET	1/4 - 1/2 S	238	352
501 WEST 14TH ST/MANH	501 WEST 14TH STREET	1/4 - 1/2 S	AR239	353
10 AUTO CENTER	28TH ST. / 10TH AVE.	1/4 - 1/2 NE	AQ242	356
11TH AVE /WEST 14TH ST	11TH AVE /WEST 14TH ST	1/4 - 1/2 S	AR244	359
Not reported	364 WEST 19TH ST	1/4 - 1/2 SE	245	361
Not reported	W 29TH ST / 11TH AV	1/4 - 1/2 NNE	AS246	362
11TH AVE & W 29TH ST	11TH AVE / W 29TH ST	1/4 - 1/2 NNE	AS247	362
29TH ST & 11TH AVE/SEWER	29TH ST / 11TH AVE/SE	1/4 - 1/2 NNE	AS248	363
WEST 29TH ST SUB-STATION	637 W 29TH ST	1/4 - 1/2 NNE	AT251	366
WEST 29TH ST SUB-STATION	637 WEST 29TH ST	1/4 - 1/2 NNE	AT252	367
Not reported	11 10 PENNSYLVANIA AVE	1/4 - 1/2 S	AV256	376
MOBIL S/S	309 11TH AVENUE	1/4 - 1/2 NNE	AS257	376
409 W. 15TH STREET	409 W. 15TH STREET	1/4 - 1/2 SSE	AW258	377
408 W 15TH ST/MANHATTAN	408 WEST 15TH STREET	1/4 - 1/2 SSE	AW259	378
MORGAN PARKING LOT	W 29 ST / 10 AVE	1/4 - 1/2 NE	260	379
WEST SIDE YARD LIRR	10TH AV/WESTSIDE HIGHWA	1/4 - 1/2 S	AV261	380
PRINCE LUMBER COMPANY	404 WEST 15TH STREET	1/4 - 1/2 SSE	AW262	381
SEVICE BOX 2343	427 WEST 14TH ST.	1/4 - 1/2 S	265	386
VAULT 0505	69 9TH AVE	1/4 - 1/2 SSE	AW266	386
9TH AVE & 15TH ST	9TH AVE / 15TH ST	1/4 - 1/2 SSE	AW267	387
Not reported	360 WEST 22ND ST	1/4 - 1/2 ESE	268	388
OLD HOMESTEAD REST	56 NINTH AVE	1/4 - 1/2 SSE	AW269	389
MANHOLE 39730	290 9TH AVE	1/4 - 1/2 ENE	AY270	390
MANHOLE # UNK	IFO 346 W 17TH ST	1/4 - 1/2 SE	272	392
VAULT 8126	335 W. 18TH ST	1/4 - 1/2 SE	273	393
VACANT WAREHOUSE	518 WEST 30TH ST	1/4 - 1/2 NE	275	395
11TH AVE. & 130TH STREET	11TH AVE / 13OTH STRE	1/4 - 1/2 S	276	396
W 30TH ST/HELIPORT/MANH	WEST 30TH STREET/HELIPO	1/4 - 1/2 N	AZ277	397
STREET	30TH ST / 10TH AVE	1/4 - 1/2 NE	280	401
VAULT 5311	W 14TH ST/9TH AVE	1/4 - 1/2 SSE	281	402
364 W. 15TH ST	364 W. 15TH ST	1/4 - 1/2 SSE	282	403
345-347 WEST 16TH STREET	345-347 W 16TH ST	1/4 - 1/2 SSE	BA283	404
111 8TH AVE	111 8TH AVE	1/4 - 1/2 SSE	284	404
312 WEST 23RD ST	312 WEST 23RD ST	1/4 - 1/2 ESE	BB285	406
312 W. 23RD STREET	312 W. 23RD ST APT 2-M	1/4 - 1/2 ESE	BB286	407
310-312 E. 19TH ST	310-312 EAST 19TH ST	1/4 - 1/2 SE	BC287	408
Not reported	315 WEST 21ST ST	1/4 - 1/2 ESE	BD288	409
HELIPORT	WEST 30TH ST. / 12 AV	1/4 - 1/2 N	BE289	410

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
Not reported	30TH ST / 12TH AVE	1/4 - 1/2 N	BE290	411
W. 30TH ST & 12TH AVE	W. 30TH ST / 12TH AVE	1/4 - 1/2 N	BE291	412
Not reported	224 8TH AVE	1/4 - 1/2 ESE	BD292	412
SINO REALTY REALTY	204 8TH AVENUE	1/4 - 1/2 ESE	BF293	413
Not reported	203 8TH AVE	1/4 - 1/2 ESE	BF295	415
HENRY CHANG DRY CLEANERS	204 8TH AVE	1/4 - 1/2 ESE	BF296	416
BTWN 8TH & 9TH AVE	335 WEST 16TH ST	1/4 - 1/2 SSE	BA297	417
GRAYHOUND BUS LINES	60 12TH AVE	1/4 - 1/2 S	298	419
HDFC	188 8TH AV	1/4 - 1/2 SE	299	419
COLOR BY ROBERT CRAIG	310 WEST 18TH ST	1/4 - 1/2 SE	BG301	422
310 WEST 18TH STREET	***310 WEST 18TH STREET***	***1/4 - 1/2 SE***	***BG302***	***424***
ROADWAY	8TH AV / WEST 19TH ST	1/4 - 1/2 SE	BC305	427
INTO SEWER	23RD ST / 8TH AVENUE	1/4 - 1/2 ESE	BB306	428
Not reported	WEST 23RD ST / 8TH AV	1/4 - 1/2 ESE	BB307	430
MANHOLE #61720	WEST 23RD ST / 8TH AV	1/4 - 1/2 ESE	BB308	431
159TH STREET AND	8TH AVE	1/4 - 1/2 SE	BG312	435

Lower Elevation	Address	Dist / Dir	Map ID	Page
SEWAGE REGULATOR AT	12TH AV / W 23 RD ST	1/8 - 1/4 NNW	H54	91
BUS TERMINAL	23RD ST / 12TH AV	1/8 - 1/4 NNW	H55	92
12TH AVE & W. 23RD ST	12TTH AVE / W. 23RD S	1/8 - 1/4 NNW	H56	93
Not reported	12TH AV / 24TH ST	1/8 - 1/4 NNW	95	169
WEST SIDE OF STREET	16TH ST / 12TH AV	1/4 - 1/2 SSW	136	232
PIER 57	15TH ST / 11TH AVE	1/4 - 1/2 SSW	195	309
2 BLOOMFIELD STREET	***2 BLOOMFIELD STREET***	***1/4 - 1/2 SSW***	***300***	***420***

PROPRIETARY DATABASES

Former Manufactured Gas (Coal Gas) Sites:

The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative

A review of the Coal Gas list, as provided by EDR, has revealed that there are 2 Coal Gas sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CONSOLIDATED GAS CO.	111 TENTH AVE.	1/8 - 1/4 S	X118	206
CONSOLIDATED GAS CO.	450 W 18TH ST.	1/4 - 1/2 SSE	Z134	231

BROWNFIELDS DATABASES

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.

A review of the VCP list, as provided by EDR, and dated 03/17/2004 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CON EDISON - EAST 19TH ST. STA	524 E. 19TH ST.	1/8 - 1/4 SSE	K68	121
19TH STREET DEVELOPMENT SITE	80 11TH AVENUE	1/8 - 1/4 SSW	94	168

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
NYC DOS WEST 30TH STREET RECYCLING	SWF/LF
NYCDOS GANESVOORT MTS	SWF/LF
SCHOOL OF HUMANITES	LTANKS
223 WEST 21ST ST	AST
N KRUGER INC	RCRIS-SQG, FINDS
ARGYLE ROAD FILMS LLC	RCRIS-SQG, FINDS
V0890	RCRIS-SQG
TMR1917	RCRIS-SQG
HUDSON RIVER PARK TRUST	FINDS, RCRIS-LQG
WEST PARK PARTNER LLC	FINDS
WEST SIDE OF FDR DRIVE	NY Spills
PUMP HOUSE	NY Spills
ROADWAY	NY Spills
18TH STREET	NY Spills
E. 18TH /AVE C	NY Spills
18TH ST/WESTSIDE HIGHWAY	NY Spills
WEST 19TH ST SUB STATION	NY Spills
EAST RIVER SUBSTATION	NY Spills
CABRINI MEDICAL CTR	NY Spills
FEEDER 69M72	NY Spills
W. 19TH ST/ 10TH & 11TH	NY Spills
20TH ST - PIER 59 & 66	NY Spills
EAST 20TH ST/AVE C	NY Spills
STUYVESANT COVE	NY Spills
38TH STREET	NY Spills
16TH ST YARD MANATTAN	NY Spills
EAST 16TH STREET YARD	NY Spills
EAST 33RD STREET IN FRONT	NY Spills
WEST 24TH ST	NY Spills
FDR DR / E 18TH ST	NY Spills
HUDSON DEPOT	NY Spills
HUDSON RIVER - PIER 40	NY Spills
WESTSIDE HWY.	NY Spills
WESTSIDE HWY AT PIER 61	NY Spills

OVERVIEW MAP - 01244591.1r - Hydro Tech Env. Corp.

- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- State Wetlands

TARGET PROPERTY:	551 West 21st Street	CUSTOMER:	Hydro Tech Env. Corp.
ADDRESS:	551 West 21st Street	CONTACT:	Prasanti
CITY/STATE/ZIP:	Manhattan NY 10011	INQUIRY #:	01244591.1r
LAT/LONG:	40.7475 / 74.0075	DATE:	August 05, 2004 6:02 pm

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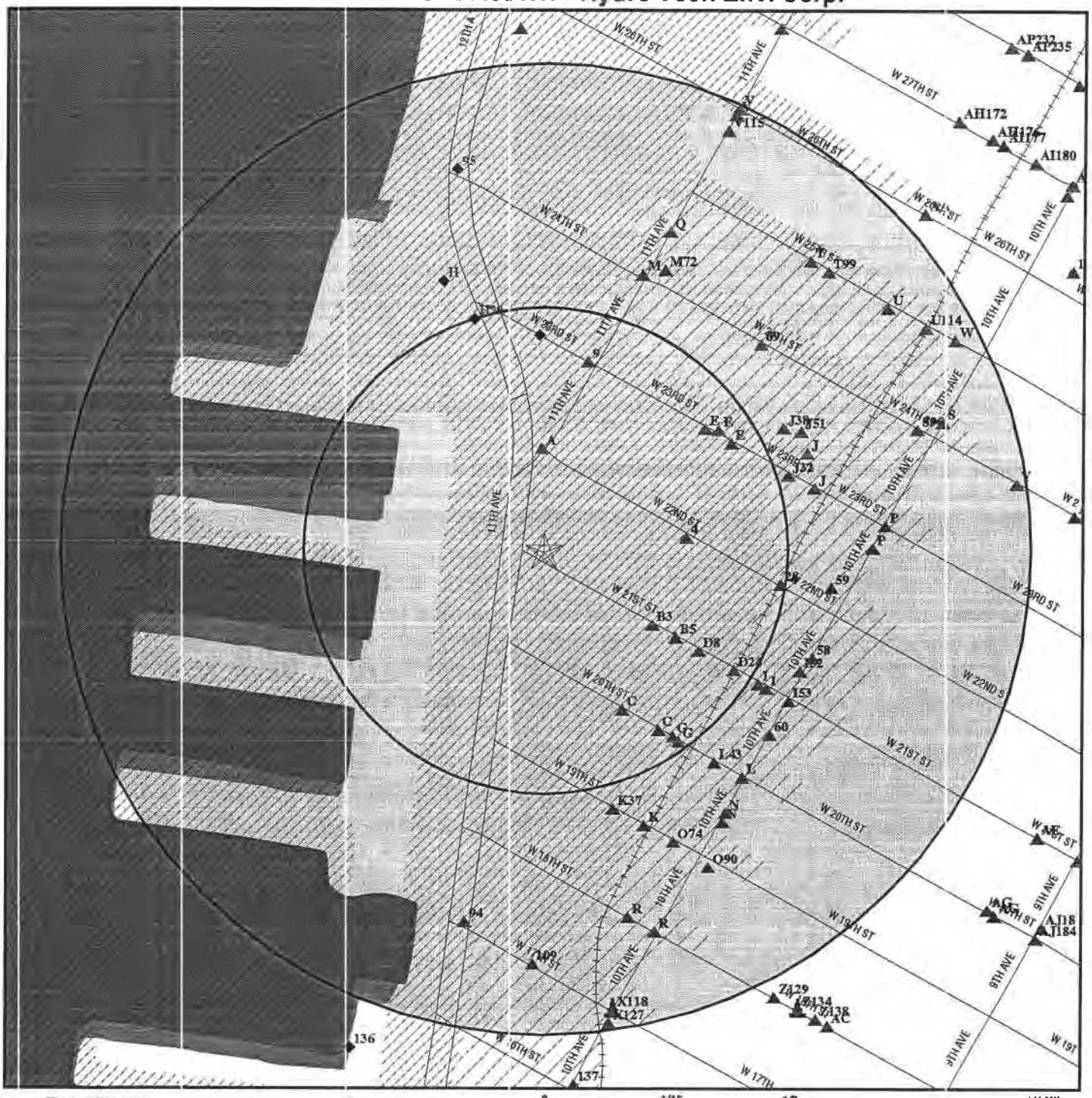
DETAIL MAP - 01244591.1r - Hydro Tech Env. Corp.



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- State Wetlands

TARGET PROPERTY:	551 West 21st Street	CUSTOMER:	Hydro Tech Env. Corp.
ADDRESS:	551 West 21st Street	CONTACT:	Prasanti
CITY/STATE/ZIP:	Manhattan NY 10011	INQUIRY #:	01244591.1r
LAT/LONG:	40.7475 / 74.0075	DATE:	August 05, 2004 6:03 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		1.000	0	0	0	0	NR	0
RCRIS Lg. Quan. Gen.		0.125	0	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.125	8	NR	NR	NR	NR	8
ERNS		TP	NR	NR	NR	NR	NR	0
STATE ASTM STANDARD								
State Haz. Waste		1.000	0	0	0	2	NR	2
State Landfill		0.500	0	0	2	NR	NR	2
LTANKS		0.500	3	19	42	NR	NR	64
UST		0.250	7	24	NR	NR	NR	31
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
VCP		0.500	0	2	0	NR	NR	2
SWTIRE		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
HSWDS		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		TP	NR	NR	NR	NR	NR	0
CBS AST		0.250	0	1	NR	NR	NR	1
MOSF AST		0.500	0	0	0	NR	NR	0
NY Spills		0.500	11	56	144	NR	NR	211
DEL SHWS		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY HISTORICAL DATABASES								
Coal Gas		1.000	0	1	1	0	NR	2
BROWNFIELDS DATABASES								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Brownfields		0.500	0	0	0	NR	NR	0
VCP		0.500	0	2	0	NR	NR	2

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
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: 04/27/04
Date Made Active at EDR: 05/21/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04
Elapsed ASTM days: 17
Date of Last EDR Contact: 05/04/04

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 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 04/27/04
Date Made Active at EDR: 05/21/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/04/04
Elapsed ASTM days: 17
Date of Last EDR Contact: 05/04/04

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
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: 02/26/04
Date Made Active at EDR: 04/02/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/22/04
Elapsed ASTM days: 11
Date of Last EDR Contact: 06/23/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 02/26/04
Date Made Active at EDR: 04/02/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/22/04
Elapsed ASTM days: 11
Date of Last EDR Contact: 06/23/04

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/04
Date Made Active at EDR: 04/15/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 03/25/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 06/07/04

RCRIS: Resource Conservation and Recovery Information System
Source: EPA
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS 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. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 06/15/04
Date Made Active at EDR: 07/20/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/23/04
Elapsed ASTM days: 27
Date of Last EDR Contact: 06/23/04

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 07/26/04

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
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.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/22/04
Date of Next Scheduled EDR Contact: 09/13/04

CONSENT: Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
Telephone: Varies
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: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
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: 04/08/04
Database Release Frequency: Annually

Date of Last EDR Contact: 07/07/04
Date of Next Scheduled EDR Contact: 10/04/04

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: N/A
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: 04/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/04/04
Date of Next Scheduled EDR Contact: 08/02/04

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FUIRS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/08/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/17/04
Database Release Frequency: Annually

Date of Last EDR Contact: 04/20/04
Date of Next Scheduled EDR Contact: 07/19/04

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
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: 04/19/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 03/05/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/30/04
Date of Next Scheduled EDR Contact: 09/27/04

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/24/04
Date of Next Scheduled EDR Contact: 08/23/04

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
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: 03/30/04
Database Release Frequency: Annually

Date of Last EDR Contact: 05/12/04
Date of Next Scheduled EDR Contact: 08/09/04

DOD: Department of Defense Sites
Source: USGS
Telephone: 703-692-8801
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: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/14/04
Date of Next Scheduled EDR Contact: 08/09/04

STORMWATER: Storm Water General Permits
Source: Environmental Protection Agency
Telephone: 202 564-0746
A listing of all facilities with Storm Water General Permits.

Date of Government Version: N/A
Database Release Frequency: Quarterly

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

INDIAN RESERV: Indian Reservations
Source: USGS
Telephone: 202-208-3710
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: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 05/14/04
Date of Next Scheduled EDR Contact: 08/09/04

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/14/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/14/04
Date of Next Scheduled EDR Contact: 09/13/04

RMP: Risk Management Plans
Source: Environmental Protection Agency
Telephone: 202-564-8600
When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: N/A
Database Release Frequency: N/A

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
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: 10/01/03
Database Release Frequency: Varies

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

UMTRA: Uranium Mill Tailings Sites
Source: Department of Energy
Telephone: 505-845-0011
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. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
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: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
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: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 06/22/04
Date of Next Scheduled EDR Contact: 09/20/04

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
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: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 06/07/04
Date of Next Scheduled EDR Contact: 09/06/04

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-5008
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: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 07/20/04
Date of Next Scheduled EDR Contact: 10/18/04

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
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: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/21/04
Date of Next Scheduled EDR Contact: 09/20/04

STATE OF NEW YORK ASTM STANDARD RECORDS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State
Source: Department of Environmental Conservation
Telephone: 518-402-9553
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/01/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 02/27/04
Elapsed ASTM days: 14
Date of Last EDR Contact: 05/24/04

SWF/LF: Facility Register
Source: Department of Environmental Conservation
Telephone: 518-457-2051
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: 06/01/04
Date Made Active at EDR: 07/12/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/03/04
Elapsed ASTM days: 39
Date of Last EDR Contact: 05/03/04

LTANKS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
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: 04/26/04
Date Made Active at EDR: 06/25/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 05/24/04
Elapsed ASTM days: 32
Date of Last EDR Contact: 07/26/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Petroleum Bulk Storage (PBS) Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 07/26/04

CBS UST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 07/26/04

MOSF UST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: Varies

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 07/26/04

VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
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.

Date of Government Version: 03/17/04
Date Made Active at EDR: 04/28/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/16/04
Elapsed ASTM days: 12
Date of Last EDR Contact: 06/14/04

SWRCY: Registered Recycling Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8705
A listing of recycling facilities.

Date of Government Version: 06/08/04
Date Made Active at EDR: 07/12/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/08/04
Elapsed ASTM days: 34
Date of Last EDR Contact: 06/08/04

SWTIRE: Registered Waste Tire Storage & Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8694

Date of Government Version: 04/01/04
Date Made Active at EDR: 03/25/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 05/19/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 05/19/04

STATE OF NEW YORK ASTM SUPPLEMENTAL RECORDS

HSWDS: Hazardous Substance Waste Disposal Site Inventory
Source: Department of Environmental Conservation
Telephone: 518-402-9564
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: 09/01/02
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 06/01/04
Date of Next Scheduled EDR Contact: 08/30/04

AST: Petroleum Bulk Storage
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/02
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

CBS AST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
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: 01/01/02
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

MOSF AST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/02
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

SPILLS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
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: 04/26/04
Database Release Frequency: Varies
Date of Last EDR Contact: 07/26/04
Date of Next Scheduled EDR Contact: 10/25/04

DEL SHWS: Delisted Registry Sites
Source: Department of Environmental Conservation
Telephone: 518-402-9553
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 04/01/04
Database Release Frequency: Annually
Date of Last EDR Contact: 06/29/04
Date of Next Scheduled EDR Contact: 08/23/04

DRYCLEANERS: Registered Drycleaners
Source: Department of Environmental Conservation
Telephone: 518-402-8403
A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/04
Database Release Frequency: Varies
Date of Last EDR Contact: 05/21/04
Date of Next Scheduled EDR Contact: N/A

MANIFEST: Facility and Manifest Data
Source: Department of Environmental Conservation
Telephone: 518-402-8651
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 03/17/04
Database Release Frequency: Annually

Date of Last EDR Contact: 06/01/04
Date of Next Scheduled EDR Contact: 08/30/04

LOCAL RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 03/18/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/01/04
Date of Next Scheduled EDR Contact: 08/30/04

Cortland County Storage Tank Listing
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 03/18/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/01/04
Date of Next Scheduled EDR Contact: 08/30/04

NASSAU COUNTY:

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 05/21/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/04/04
Date of Next Scheduled EDR Contact: 08/02/04

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 05/21/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/04/04
Date of Next Scheduled EDR Contact: 08/02/04

Storage Tank Database
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000

Date of Government Version: 05/25/04
Database Release Frequency: Varies

Date of Last EDR Contact: 05/25/04
Date of Next Scheduled EDR Contact: 08/09/04

Storage Tank Database
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000

Date of Government Version: 05/25/04
Database Release Frequency: Varies

Date of Last EDR Contact: 05/25/04
Date of Next Scheduled EDR Contact: 08/09/04

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 04/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

Petroleum Bulk Storage Database
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 04/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/06/04
Date of Next Scheduled EDR Contact: 10/04/04

SUFFOLK COUNTY:

Storage Tank Database
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

Date of Government Version: 04/16/04
Database Release Frequency: Annually

Date of Last EDR Contact: 06/01/04
Date of Next Scheduled EDR Contact: 08/30/04

Storage Tank Database
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

Date of Government Version: 04/16/04
Database Release Frequency: Annually

Date of Last EDR Contact: 06/01/04
Date of Next Scheduled EDR Contact: 08/30/04

WESTCHESTER COUNTY:

Listing of Storage Tanks
Source: Westchester County Department of Health
Telephone: 914-813-5161
Listing of underground storage tanks in Westchester County.

Date of Government Version: 06/16/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/01/04
Date of Next Scheduled EDR Contact: 08/30/04

Listing of Storage Tanks
Source: Westchester County Department of Health
Telephone: 914-813-5161
Listing of aboveground storage tanks in Westchester County.

Date of Government Version: 06/16/04
Database Release Frequency: Varies

Date of Last EDR Contact: 06/01/04
Date of Next Scheduled EDR Contact: 08/30/04

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS DATABASES

Brownfields: Brownfields Site List
Source: Department of Environmental Conservation
Telephone: 518-402-9764

Date of Government Version: 03/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/14/04
Date of Next Scheduled EDR Contact: 09/13/04

VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
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.

Date of Government Version: 03/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/14/04
Date of Next Scheduled EDR Contact: 09/13/04

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become BCRLF cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

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 PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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.

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 1999 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 from the U.S. Fish and Wildlife Service.

New York State Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961
Coverages are based on official New York State Freshwater Wetlands Maps as described in Article 24-0301 of the Environmental Conservation Law

STREET AND ADDRESS INFORMATION

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APPENDIX E

CREDENTIALS

Mostafa El Sehamy, P.G., C.G.W.P., C.E.M.
President, Senior Hydrogeologist

Mr. El Sehamy has over fifteen (15) years of experience in hydrogeology and environmental engineering, involving such activities as groundwater investigation, water quality modeling, ground and surface water quality analysis, environmental impact assessment, remediation design of replacement of domestic well systems in contaminated areas; aquifer sensitivity studies for hydrocarbons and solvents and soil and groundwater investigations of leaking underground storage tanks and pilot venting studies. Mr. El Sehamy has designed over 50 remediation systems for the New York State Department of Environmental Conservation (Oil Spill Prevention) and private sectors. The remediation system involved several techniques, such as pump and treat, soil venting, air sparging, bio-remediation and bio venting. Mr. El Sehamy has also conducted several remedial investigation/feasibility studies in New York State.

Representative Occupational Experience

- *Groundwater and Hydrologic Modeling*
  Groundwater flow and contaminant transport, modeling utilizing MODFLOW, PLASM, MODPATH and WHPA. Hydrologic modeling utilizing HELP. Assessing model inputs and outputs, boundary and initial conditions, model calibrations, verification and sensitivity analysis and performing analytical checks. Hydrologic studies and water analysis.

- *Environmental Site Assessments*
  Conducted Phase I and II Environmental Site Assessments, analysis of site investigation reports, identifying contamination locations and sources. Gas Chromatograph analysis and water sampling, analyzing laboratory results for QA/QC, magnetometer surveys for locating buried drums and underground storage tanks (USTs), estimating UST and other subsurface leaks, septic tank cleanup inspection, liability assessments and estimating costs to attain compliance.

- *Expert Witness*
  Offered expert witness testimony for the New York State Department of Environmental Conservation (NYSDEC) and several private sector cases.

- *Environmental Impact Statements*
  Conducted and supervised several environmental impact statements for shopping centers in the states of New York and North Carolina.

- *Solute Transport Modeling*
  Conducted groundwater flow and solute transport modeling at Superfund, municipal, industrial and water supply sites impacted by organic/inorganic hydrocarbons, PCBs and metals. Developed strategies to contain and clean-up aquifers, protect water supply wells and prohibit impacts to surface water bodies, including containment of free phase product recovery. Analytical and numerical models, such as PLASM, MODFLOW, Random Walk, Quickflow, Flowpath and Groundwater Path were used.

- *Risk Assessments*
  Delineated dissolved petroleum hydrocarbon plume and implemented a risk assessment regarding a subsurface storage tank release into the Long Island Aquifer.

- *Engineering Compliance*
  Auditing manufacturing plants, assessing plant-wide environmental conditions, identifying present and potential RCRA wastes and other environmental problems and offering solutions, SARA Title III calculations, environmental inventorying, compliance status and potential impact analysis of waste disposal practices, air compliance analysis, insurance claims analysis and preparing work plans and engineering reports.

- *Remedial Investigation and Feasibility Studies*
  Oversight/planning of site investigations; data analysis, including statistical analysis and geostatistical contouring utilizing SURFER and GEOSOFT/KRIGING; performance of feasibility studies, including technology evaluations and screening, alternatives development and evaluation and cost estimations.

- *Due-Diligence Programs*
  Designed and implemented due-diligence programs (ranging from Phase I Assessment to Comprehensive Hydrogeologic Investigations) to assess environmental liabilities for numerous land development clientele.

- *Delineation of Chlorinated Organic Plumes*
  Supervised the delineation of a dissolved chlorinated organic plume from underground tank loss. Developed a remedial action program in accordance with New York State regulatory guidelines to abate soil and groundwater contamination.

- *Research Projects*
  Conducted groundwater studies with Nassau County Department of Public Works to investigate the impact of heating oil and solvents on public supply wells in the Levittown and Glen Cove areas of New York State.

- *Remedial Action*
  Prepared remedial action plans. Designed and implemented hydrocarbon remediation systems for soil and groundwater.

- *Pump Test Aquifer Analysis*
  Conducted several pump test aquifer analysis and field coordination in relation to water supply feasibility studies for the New York City Transit Authority.

- *OSHA Instructor*
  Instructed several courses, such as, OSHA 40 Hours Right to Know, CPR, 8 Hour OSHA Refresher, Fall Protection, Confined Space Entry and Lockout/tag-out. Developed safety programs for confine space and accident investigations.

- *Hazardous Waste Remediation Sites*
  Project Manager - RI/FS, pre design investigation, remedial design, construction oversight of the remedial action, and operations and

maintenance of the soil vapor and groundwater treatment systems. Each RI/FS was performed under the direction of NYSDEC.

Employment

2001 - Present	President, Senior Hydrogeologist Hydro Tech Environmental Corp., Commack, New York
1993 – 2001	Director of Professional Services and Safety Fenley & Nicol Environmental, Inc., Deer Park, New York
1992 – 1993	Senior Hydrogeologist Fenley & Nicol Environmental, Inc. Deer Park, New York
1989 – 1992	Hydrogeologist Nassau County Dept. of Health, Mineola, New York
1986 - 1989	Hydrogeologist Fanning, Phillips and Molnar, Ronkonkoma, New York

Education

M.S. Hydrogeology, Adelphi University at Garden City, New York, 1989
Graduate Geology studies, Brooklyn College, City University of New York, 1981
B.S. Engineering Geology, Cairo University, Egypt, 1978

Affiliations and Certifications

- Association of Groundwater Scientists and Engineers
- American Institute of Professional Geologists
- American Association of Petroleum Geologists
- Long Island Geologist Organization
- Environmental Assessment Association
- New York State Asbestos Investigator
- American Society of Safety Engineers
- American Heart Association: CPR Instructor

Registrations and Certifications

- Professional Geologist - Commonwealth of Pennsylvania (P.G.- #001135 - G)
- Licensed Geologist - State of North Carolina (L.G. - #1714)
- Certified Groundwater Professional (C.G.W.P. #364)
- Certified Professional Geologist (C.P.G. # 9206)
- Certified Environmental Manager (C.E.M. # 73492)
- Certified City of New York Asbestos - Investigator (# 03541)

Courses and Seminars

- "Practical Modeling of Pump and Treat Systems using Modflow, Path 3D and Flow Path" Papadupulos & Associates, Inc.
- "Dense Non-aqueous Phase Liquids (DNAPLs): Site Characterization and Remediations" Central New York Association of Professional Geologists.
- "Understanding Migration, Assessment and Remediation of LNAPLs and DNAPLs" National Groundwater Association.
- "Petroleum-Contaminated Soil and Groundwater" University of Massachusetts.
- "Ground water Remediation and Modeling", Newburgh, New York.

Publications/Presentations

- *A Case Study of the Impact of MTBE on the Investigation and Remediation of a Fuel Oil Release,* National Groundwater Focus Conference MTBE in Groundwater: Assessment, Remediation Technologies & Public Policy, Baltimore, MD June 4-5, 2001.
- *Is MTBE in Fuel Oil? Why MTBE Plays a Major Concern on Long Island,* Long Island Business News, February 2001
- *Cleaning Up UST Leaks,* El Sehamy, Mostafa, Environmental Protection, June 1997.
- *Overview of the Petrex Passive Soil Gas Technique - Two Case Studies,* El Sehamy, Mostafa & Jacobs, Jr., Dave T., Long Island Geologists, April 1996
- *Temporal Constraints on Free Phase Floating Petroleum Product Rebound in the Upper Glacial Aquifer, Long Island New York,* El Sehamy, Mostafa & Winslow, David, Long Island Geologists, April 1996
- *Successful Remediation of Gasoline Spills on Long Island by Application of a Combination of Technologies- Two Case Studies,* El Sehamy, Mostafa & Korlipara, Ravi, Long Island Geologists, April 1995

Mark E. Robbins, C.P.G., C.H.I.
Vice President, Senior Geologist

Mr. Robbins has over nine (9) years experience in geology and hydrogeology, involving such activities as Phase I Environmental Site Assessments, Phase II Environmental Site Assessments, Subsurface Investigations, Remedial Actions, data acquisition, evaluation and contouring, and geotechnical investigations. Mr. Robbins has performed over 400 Phase I Assessments involving residential through heavy industrial properties and over 200 Subsurface Investigations throughout the United States. Mr. Robbins has also designed and implemented over 20 remediation systems for both public and private sectors.

Representative Occupational Experience

- *Environmental Site Assessments*
  Conducted Phase I and II Environmental Site Assessments, analysis of site investigation reports, identifying contamination locations and sources. Soil, soil-vapor and water sampling, analyzing laboratory results for QA/QC, magnetometer and Ground-Penetrating Radar surveys for locating buried drums and underground storage tanks (USTs), estimating UST and other subsurface leaks, monitoring well logging, Project Management, liability assessments and estimating costs to attain compliance.

- *Remedial Investigation and Feasibility Studies*
  Oversight/planning of site investigations; data analysis, including statistical analysis and geostatistical contouring utilizing SURFER; performance of feasibility studies, including technology evaluations, alternatives development and evaluation and cost estimations.

- *Due- Diligence Programs*
  Designed and implemented due-diligence programs (ranging from Phase I Assessment to Comprehensive Hydrogeologic Investigations) to assess environmental liabilities for numerous land development clientele.

- *Delineation of Chlorinated Organic Plumes*
  Supervised the delineation of a dissolved chlorinated organic plume from underground tank loss. Developed a remedial action program in accordance with New York State regulatory guidelines to abate soil and groundwater contamination.

- *Remedial Action*
  Prepared numerous Remedial Action Plans. Designed and implemented hydrocarbon and chlorinated solvent remediation systems for soil and groundwater.

- *Pump Test Aquifer Analysis*
  Conducted several pump tests and pump test analysis and field coordination in relation to dewatering permit requirements for Keyspan Energy and the private sector.

Employment

2001 - Present — Vice President, Senior Geologist
Hydro Tech Environmental Corp., Commack, New York

2000 – 2001 Assistant Director, Professional Services
Fenley & Nicol Environmental, Inc., Deer Park, New York

1999 – 2000 Senior Geologist
Fenley & Nicol Environmental, Inc. Deer Park, New York

1995 – 1999 Operations Director
Advanced Cleanup Technologies, Inc., Farmingdale, New York

1992 – 1995 Project Geologist
Advanced Cleanup Technologies, Inc., Roslyn Heights, New York

Education

B.S. Geology, State University of New York at Oneonta, 1991

Affiliations and Certifications

- American Institute of Professional Geologists
- American Association of Petroleum Geologists
- Long Island Geologist Organization
- Geological Society of America
- American Standards in Testing Materials – E50 Committee Member
- Environmental Assessment Association
- OSHA 40-Hour & 8-Hour, Supervisor

Registrations and Certifications

- Certified Professional Geologist (C.P.G. # 10527)
- Certified Environmental Inspector (C.E.I. # 73383)
- GPR Operator's Course, Geophysical Survey Systems, Inc., 1993.

Publications/Presentations

- *A Case Study of the Impact of MTBE on the Investigation and Remediation of a Fuel Oil Release,* National Groundwater Focus Conference MTBE in Groundwater: Assessment, Remediation Technologies & Public Policy, Baltimore, MD June 4-5, 2001.
- *Is MTBE in Fuel Oil? Why MTBE Plays a Major Concern on Long Island,* Long Island Business News, February 2001.

February 1, 2005

PHASE II
SUBSURFACE INVESTIGATION

551 West 21st Street
New York, New York

Prepared for

551 WEST CHELSEA PARTNERS, LLC
460 Park Avenue, 22nd Floor
New York, New York 10022

ROUX ASSOCIATES, INC.

Environmental Consulting & Management

ROUX

209 Shafter Street, Islandia, New York 11749 ♦ 631-232-2600

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1. Sample Location Map

APPENDICES

A. Chains of Custody
B. Laboratory Reports
C. Soil Boring Logs

EXECUTIVE SUMMARY

At the request of 551 West Chelsea Partners, LLC, Roux Associates, Inc. conducted a Phase II subsurface investigation of the property located at 551 West 21st Street in New York, New York. The Phase II subsurface investigation involved the collection and analysis of soil and groundwater samples from the Site, and an evaluation of the environmental quality of the soil and groundwater beneath the Site based on a review of the laboratory analyses. The Phase II subsurface investigation was conducted on December 7, 8, and 9, 2004.

A total of nine soil samples and four groundwater samples were collected from the Site and analyzed for volatile organic compounds (VOCs) using USEPA Method 8260, semi-volatile organic compounds (SVOCs) using USEPA Method 8270, and Resource Conservation and Recovery Act (RCRA) metals using USEPA Method 6010.

VOCs were not detected at concentrations exceeding their regulatory limits in any of the groundwater samples, with the exception of methylene chloride in sample SB-6. VOCs were not detected in eight of the nine soil samples at concentrations exceeding their regulatory limits. In one soil sample, SB-8 (12-16 feet below land surface), toluene was detected at 1,800 micrograms per kilogram (μg/kg), compared to a standard of 1,500 μg/kg. Xylenes were detected in the same sample from SB-8 at 5,300 μg/kg, compared to a standard of 1,200 μg/kg. Because these elevated detections of VOCs were only observed at depth in one boring, the detections are likely attributable to an offsite source of petroleum hydrocarbons.

A review of the results of the Phase II Subsurface Investigation of 551 West 21st Street did not indicate the presence of significant source areas for VOCs, SVOCs, or metals in fill or groundwater beneath the Site. Elevated detections of SVOCs indicative of coal tar residue probably represent impacts to fill in the area due to historical operations of manufactured gas plants known to have existed in the vicinity of the Site. Elevated detections of metals in the fill beneath the Site are in the range typically observed for fill in urban areas with a history of industrial and commercial operations.

1.0 INTRODUCTION

At the request of 551 West Chelsea Partners, LLC, Roux Associates, Inc. (Roux Associates) performed a Phase II subsurface investigation of the property located at 551 West 21st Street in New York, New York (Site). The Phase II subsurface investigation involved the collection and analysis of soil and groundwater samples from the Site, and an evaluation of the environmental quality of the soil and groundwater beneath the Site based on a review of the laboratory analyses. The Phase II subsurface investigation was conducted on December 7, 8, and 9, 2004 in accordance with the scope of work described in Roux Associates' proposal to the client dated November 16, 2004. This report contains a discussion of the methods, findings, and conclusions based on the Phase II subsurface investigation.

1.1 Objectives of the Investigation

The objectives of the Phase II subsurface investigation were to evaluate soil and groundwater quality beneath the Site. To develop the scope of work, Roux Associates reviewed a Phase I Environmental Site Assessment Report prepared by Hydro-Tech Environmental Corp., dated August 26, 2004, and conducted a site reconnaissance on November 15 and 22, 2004.

1.2 Site Description

The Site is located at the northeast corner of West 21st Street and 11th Avenue in New York City, New York and contains an approximately 15,000 square foot, 4-story brick commercial building. The Site is located in a mixed commercial/industrial area, and was undergoing renovation at the time of the Phase II subsurface investigation. Property uses in the vicinity of the Site include commercial buildings (one to four stories). Historically, property uses in the vicinity of the Site have included numerous auto and truck repair and body shops, auto painting shops, and manufactured gas plants.

2.0 METHODS OF INVESTIGATION

The methods used to collect, screen, transport, and analyze the soil and groundwater samples are discussed in the following sections.

2.1 Soil

Nine soil borings were installed at the Site. With the exception of soil boring SB-9 (which was installed using a hand auger), the soil borings were installed using Geoprobe™ 6620 and 54 LT mobile drilling units utilizing direct push technology. The soil borings were completed to the top of a clay layer, which was encountered at depths ranging from 15 to 25 feet below land surface (ft bls). Soil samples were collected from each soil boring in 4-foot or 5-foot increments, depending on the drilling equipment used. Each soil sample was examined for suspect physical characteristics (i.e., odor, sheen, staining) and was screened in the field for volatile organic compounds with a photoionization detector (PID). Soil samples were selected for laboratory analysis based on suspect physical characteristics or elevated PID readings. In the absence of suspect physical characteristics and elevated PID readings, the soil sample collected from just above the water table was selected for laboratory analysis. A minimum of one soil sample from each soil boring was submitted for laboratory analysis based on the previously stated criteria. Based on field observation and previous knowledge of the general area, shallow fill material located throughout the Site at depth intervals from 0 to 7 ft bls appears to be distinct from deeper fill material. Therefore, at soil borings SB-1, an additional sample was collected (from the five to seven foot depth interval) as representative of the shallow fill material beneath the Site. Soil boring logs are included as Appendix C.

2.2 Groundwater

Groundwater at the Site was encountered at approximately 10 ft bls. Four groundwater screening samples were collected during the Phase II investigation, one each from Soil Borings SB-2, SB-4, SB-6, and SB-7. The sampling method included advancing a Screen Point 15 Groundwater Sampler to 14 ft bls, adjacent to the original boring location, using a Geoprobe™ drive unit. The Screen Point 15 Sampler uses a 4-foot-long by 1-inch diameter stainless steel wire-wrapped screen with a slot opening of 0.004 inches. The screen was sealed inside a 1.5-inch inside-diameter steel sheath with Neoprene O-rings and a disposable drive point. The O-rings prevent infiltration of formation fluids until the desired depth is attained.

Once the desired sampling depth was reached, the screen was released using an extension rod and the drilling rods retracted to expose a four foot section of the screen to the formation at 10 ft to 14 ft bls. Using a peristaltic pump and disposable polyethylene tubing, the screen point was purged of approximately three volumes of water prior to the collection of a groundwater sample. The groundwater sample was collected unfiltered at a low flow rate of 150 milliliters per minute from the same tubing used for purging directly into the laboratory sample bottles. No suspect physical characteristics associated with the groundwater were noted during the groundwater sample collection activities.

2.3 Laboratory Analyses

The soil and groundwater samples were stored on ice in a cooler at 4° Celsius and transported under chain of custody procedures to Ecotest Laboratories, Inc. (Ecotest) in North Babylon, New York. Ecotest is a New York State Department of Health (NYSDOH) approved environmental laboratory. The soil and groundwater samples were analyzed for volatile organic compounds (VOCs) using USEPA Method 8260, semi-volatile organic compounds (SVOCs) using USEPA Method 8270, and Resource Conservation and Recovery Act (RCRA) metals using USEPA Method 6010. Copies of the Chain of Custody forms are provided in Appendix A. Copies of the laboratory reports are provided in Appendix B.

A summary of the samples collected, the depths at which they were collected, their respective PID readings expressed in parts per million (ppm), and analyses performed are summarized below:

Soil Samples

Designation	Depth (ft bls)	PID (ppm)	Analyses
SB-1	5 - 7	14.8	VOCs, SVOCs, RCRA Metals
SB-1	10 - 15	30.4	VOCs, SVOCs, RCRA Metals
SB-2	10 - 15	14.3	VOCs, SVOCs, RCRA Metals
SB-3	15 - 20	7.1	VOCs, SVOCs, RCRA Metals
SB-4	8 - 12	0.8	VOCs, SVOCs, RCRA Metals
SB-5	8 - 12	0.8	VOCs, SVOCs, RCRA Metals
SB-6	4 - 8	0.0	VOCs, SVOCs, RCRA Metals
SB-7	12 - 16	3.1	VOCs, SVOCs, RCRA Metals

Designation	Depth (ft bls)	PID (ppm)	Analyses
SB-8	12 - 16	31.9	VOCs, SVOCs, RCRA Metals
SB-9	0 - 0.5	N/A	VOCs, SVOCs, RCRA Metals

N/A – not analyzed; a shallow soil sample from just below the concrete was collected for laboratory analysis.

Groundwater Samples

Designation	Depth (ft bls)	Analyses
SB-2	10 – 15	VOCs, SVOCs, RCRA Metals
SB-4	10 – 14	VOCs, SVOCs, RCRA Metals
SB-6	10 – 14	VOCs, SVOCs, RCRA Metals
SB-7	10 – 14	VOCs, SVOCs, RCRA Metals

3.0 RESULTS

The laboratory results for the soil analyses were compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) Recommended Soil Cleanup Objectives (RSCOs). The laboratory results for the groundwater analyses were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQS). The results of the laboratory analyses and our conclusions are discussed below.

VOCs

No VOCs were identified in any of the soil samples at concentrations exceeding the RSCOs, with the exception of soil sample SB-8 (12-16 ft bls). Two VOCs were detected in SB-8 (12-16 ft bls): toluene and xylene. Toluene was detected at 1.8 ppm compared to the RSCO of 1.5 ppm. Xylene was detected at 5.3 ppm compared to the RSCO of 1.2 ppm. VOCs were not detected at concentrations exceeding their NYSDEC AWQS in any of the groundwater samples, with the exception of methylene chloride in SB-6, which is assumed to be a laboratory-introduced artifact.

Based on the lack of VOC detections in the groundwater samples, and only two VOC exceedances in one of nine soil samples, Roux Associates has concluded that the soil and groundwater beneath the Site are not significantly impacted by VOCs to the extent requiring further investigation or remediation. The detections of toluene and xylenes in SB-8 most likely represent impacts due to an offsite source.

SVOCs

SVOCs were either not detected or detected at concentrations only slightly above regulatory criteria in two shallow soil samples (SB-1 and SB-9) and deep samples from soil borings SB-2, SB-3, SB-5, and SB-7. SVOCs were detected at concentrations significantly above regulatory criteria in deep samples from soil borings SB-1, SB-4, SB-6 and SB-8. The highest concentrations were detected at SB-1 (10 to 15 feet below land surface). The SVOCs detected are of the types and levels of compounds characteristic of fill impacted by coal-tar derived constituents. This observation is consistent with the location of the Site in the vicinity of historical manufactured gas plant sites.

SVOCs were not detected at concentrations exceeding NYSDEC AWQS in two of the four groundwater samples. Two groundwater samples, SB-2 (10-15 ft bls) and SB-4 (10-14 ft bls), contained a small suite of SVOCs in concentrations exceeding AWQS. These detections are likely due to excess turbidity in the groundwater samples since they were obtained using a Geoprobe, and not from fully-developed wells.

RCRA Metals

Concentrations of several RCRA metals above regulatory criteria were observed in the fill beneath the Site, including arsenic, chromium, lead, mercury, and zinc. However, most of the detections are within an order of magnitude of the criteria, and are in the range expected for fill from urban industrial or commercial areas.

VOCs were not detected in groundwater samples obtained beneath the Site, with the exception of one detection of methylene chloride that is likely an artifact of the laboratory analyses.

Low-level detections of SVOCs and metals in groundwater samples reflect the fact that the samples were obtained as screening samples using a Geoprobe, and were not from fully developed monitoring wells, or from field-filtered samples. Therefore, excess turbidity may have contributed to the elevated detections.

Low-level detections of metals in groundwater samples reflect the excess turbidity present in the Geoprobe groundwater samples, and the fact that the samples were not filtered.

4.0 REPORT LIMITATIONS

This report, including the appendices and figures attached thereto, describes the results of Roux Associates' Phase II subsurface soil and groundwater investigation to evaluate soil and groundwater quality involving or affecting the Site. Roux Associates has performed this Phase II subsurface investigation in a professional manner using that degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. There is no warranty, expressed or implied, that the user of this environmental report will qualify for the Innocent Landowner Defense, as provided through the Superfund Amendments and Reauthorization Act.

Roux Associates, its officers, and its employees have no present or contemplated interest in the property or the parties involved. Our employment and compensation for preparing this report are not contingent upon any action or event resulting from analyses, observations, findings, opinions or conclusions, in or from the use of this report. Roux Associates shall not be responsible for conditions or consequences arising from relevant fact that were concealed, withheld, or not fully disclosed at the time the evaluation was performed.

This report is not an appraisal or property value judgment. Roux Associates will not be held liable for any use of this report which results in property value loss or gain.

This report has been prepared for the exclusive use of the client named herein (551 West Chelsea Partners, LLC) for specific application to the proposed project covered in this study. Any third party use of this report beyond that of the client named herein is the sole responsibility of the client.

If you have any questions concerning this report, please do not hesitate to contact one of the undersigned. Roux Associates appreciates the opportunity to have provided environmental services to 551 West Chelsea Partners, LLC.

Respectfully Submitted

ROUX ASSOCIATES, INC.

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Table 1. Summary of Volatile Organic Compounds Detected in Soil Samples, 551 West 21st Street

Parameter (Concentrations in µg/kg)	NYSDEC RSCO (µg/kg)	**Sample Designation:**	SB-1	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9
		Sample Date:	12/07/04	12/07/04	12/07/04	12/07/04	12/08/04	12/08/04	12/08/04	12/09/04	12/09/04	12/09/04
		Sample Depth (ft bls):	5-7	10-15	10-15	15-20	8-12	8-12	4-8	12-16	12-16	0-0.5
1,1,1-Trichloroethane	800		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
1,1,2,2-Tetrachloroethane	600		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
1,1,2-Trichloroethane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
1,1-Dichloroethane	200		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
1,1-Dichloroethene	400		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
1,2-Dichloroethane	100		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
1,2-Dichloroethene	--		13 U	250 U	14 U	13 U	14 U	13 U	13 U	13 U	2800 U	11 U
1,2-Dichloropropane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
2-Butanone	300		64 U	1300 U	71 U	64 U	68 U	65 U	63 U	64 U	14000 U	55 U
2-Hexanone	--		64 U	1300 U	71 U	64 U	68 U	65 U	63 U	64 U	14000 U	55 U
4-Methyl-2-Pentanone	1,000		64 U	1300 U	71 U	64 U	68 U	65 U	63 U	64 U	14000 U	55 U
Acetone	200		64 U	1300 U	71 U	64 U	68 U	65 U	63 U	64 U	14000 U	59
Benzene	60		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	13
Bromodichloromethane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Bromoform	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Bromomethane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Carbon disulfide	2,700		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Carbon Tetrachloride	600		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Chlorobenzene	1,700		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Chloroethane	1,900		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Chloroform	300		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Chloromethane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
cis-1,3-Dichloropropene	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Dibromochloromethane	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Ethylbenzene	5,500		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1700	5.5
Methylene Chloride	100		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Styrene	--		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Tetrachloroethene	1,400		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Toluene	1,500		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	12	**1800**	110
trans-1,3-Dichloropropene	300		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Trichloroethene	700		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Vinyl Chloride	200		6.4 U	130 U	7.1 U	6.4 U	6.8 U	6.5 U	6.3 U	6.4 U	1400 U	5.5 U
Xylenes (total)	1,200		19 U	380 U	21 U	19 U	20 U	19 U	19 U	19 U	**5300**	16 U

µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
U - Indicates that the compound was analyzed for but not detected
-- No NYSDEC RSCO available
NYSDEC - New York State Department of Environmental Conservation
RSCOs - Recommended Soil Cleanup Objectives
Note:
Bold data indicates that parameter was detected above the NYSDEC RSCOs

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil Samples, 551 West 21st Street

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-1 12/07/04 5-7	SB-1 12/07/04 10-15	SB-2 12/07/04 10-15	SB-3 12/07/04 15-20	SB-4 12/08/04 8-12	SB-5 12/08/04 8-12	SB-6 12/08/04 4-8	SB-7 12/09/04 12-16	SB-8 12/09/04 12-16	SB-9 12/09/04 0-0.5
Di-n-octyl Phthalate	50,000		38 U	3800 U	43 U	38 U	200 U	39 U	190 U	38 U	420 U	160 U
Dibenzo[a,h]anthracene	14		38 U	3800 U	43 U	38 U	**590**	**51**	**190**	38 U	**740**	160 U
Dibenzofuran	6,200		38 U	**33000**	43 U	38 U	230	39 U	190 U	38 U	**6300**	160 U
Diethyl Phthalate	7,100		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U	160 U
Dimethyl Phthalate	2,000		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U	160 U
Fluoranthene	50,000		130	**65000**	43 U	38 U	3400	130	680	38 U	12000	160 U
Fluorene	50,000		38 U	43000	43 U	38 U	570	39 U	190 U	38 U	9300	160 U
Hexachlorobenzene	41		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U	160 U
Hexachlorobutadiene	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U	160 U
Hexachlorocyclopentadiene	--		380 U	1900 U	430 U	380 U	2000 U	390 U	1900 U	380 U	2100 U	1600 U
Hexachloroethane	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U	160 U
Indeno[1,2,3-cd]pyrene	3,200		110	**4600**	43 U	38 U	1600	130	560	38 U	2100	160 U
Isophorone	4,400		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U	160 U
N-Nitrosodi-n-propylamine	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U	160 U
N-Nitrosodiphenylamine	--		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U	160 U
Naphthalene	13,000		38 U	13000	240	38 U	420	39 U	190 U	38 U	**18000**	160 U
Nitrobenzene	200		38 U	190 U	43 U	38 U	200 U	39 U	190 U	38 U	210 U	160 U
Pentachlorophenol	1,000		380 U	1900 U	430 U	380 U	2000 U	390 U	1900 U	380 U	2100 U	1600 U
Phenanthrene	50,000		92	**125000**	43	38 U	2800	92	440	38 U	17000	440
Phenol	30		38 U	**460**	43 U	38 U	200 U	39 U	190 U	38 U	**530**	160 U
Pyrene	50,000		110	**65000**	43 U	38 U	5100	320	590	38 U	13000	240

µg/kg - Micrograms per kilogram
ft bls - Feet below land surface
U - Indicates that the compound was analyzed for but not detected
NYSDEC - New York State Department of Environmental Conservation
RSCOs - Recommended Soil Cleanup Objectives
-- No NYSDEC RSCO available
Note:
Bold data indicates that parameter was detected above the NYSDEC RSCOs

Table 3. Summary of Metals Detected in Soil Samples, 551 West 21st Street

Parameter (Concentrations in mg/kg)	NYSDEC RSCOs (mg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-1 12/07/04 5-7	SB-1 12/07/04 10-15	SB-2 12/07/04 10-15	SB-3 12/07/04 15-20	SB-4 12/08/04 8-12	SB-5 12/08/04 8-12	SB-6 12/08/04 4-8	SB-7 12/09/04 12-16	SB-8 12/09/04 12-16	SB-9 12/09/04 0-0.5
Aluminum	--		6500	5500	6100	6500	5100	6400	6800	9600	6000	3100
Antimony	--		2.6 U	1.3 U	1.4 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.4 U	1.1 U
Arsenic	7.5		**26**	**9.1**	**10**	2.8	7.3	**10**	**8.3**	5.9	**11**	5.3
Barium	300		240	150	190	38	100	120	120	210	290	59
Beryllium	0.16		**0.59**	**0.35**	**0.39**	**0.26**	**0.38**	**0.42**	**0.39**	**0.32**	**0.57**	0.11 U
Cadmium	1		0.85	**1.1**	0.87	0.68	0.84	0.92	0.88	0.94	0.89	**2.6**
Calcium	--		5800	30000	16000	4600	11000	11000	6400	2600	9700	15000
Chromium	10		**17**	**11**	**14**	**11**	**11**	**13**	**12**	**19**	**12**	**26**
Cobalt	30		6.3	6.1	5.6	4.9	5.4	6.8	5.6	9.1	6.8	7.3
Copper	25		**95**	**36**	**39**	11	**28**	25	**29**	**28**	**33**	**71**
Iron	2,000		**12000**	**16000**	**12000**	**12000**	**11000**	**14000**	**12000**	**15000**	**12000**	**32000**
Lead	500		**1100**	350	**700**	44	350	250	150	120	280	120
Magnesium	--		15	2300	3100	2900	2300	2500	2400	4700	2400	800
Manganese	--		180	240	300	180	230	290	200	310	240	250
Mercury	0.1		**1.8**	**0.4**	**1.3**	0.049	**0.2**	**0.17**	**0.29**	**0.17**	**0.49**	0.038
Nickel	13		**14**	**14**	12	11	12	**16**	**14**	**15**	**14**	**78**
Potassium	--		1100	1300	1300	740	1100	1100	980	4200	1100	1500
Selenium	2		1.7	1.5	1.4	0.51 U	0.65	0.55	0.5 U	0.51 U	1.1	0.44 U
Silver	--		3.1	0.63 U	0.71 U	0.64 U	0.68 U	0.65 U	1.3	0.64 U	0.69 U	5.1
Sodium	--		1300	1200	1600	1100	760	520	240	820	1100	790
Thallium	--		1.3 U	0.5 U	1.4 U	1.3 U	1.4 U	1.3 U	0.5 U	6.4 U	1.4 U	1.1 U
Vanadium	150		26	15	19	13	14	18	18	28	18	**1100**
Zinc	20		**140**	**95**	**130**	**38**	**76**	**84**	**140**	**62**	**140**	**130**

mg/kg - Milligrams per kilogram
ft bls - Feet below land surface
U - Indicates that the compound was analyzed for but not detected
NYSDEC - New York State Department of Environmental Conservation
RSCOs - Recommended Soil Cleanup Objectives
-- No NYSDEC RSCO available
Note:
Bold data indicates that parameter was detected above the NYSDEC RSCO

Table 4. Summary of Volatile Organic Compounds Detected in Groundwater Samples, 551 West 21st Street

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs[1] (µg/L)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-2 12/07/04 10-15	SB-4 12/08/04 10-14	SB-6 12/08/04 10-14	SB-7 12/09/04 10-14
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U
1,2-Dichloroethene	5		2 U	2 U	2 U	2 U
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U
2-Butanone	(50)		10 U	10 U	10 U	10 U
2-Hexanone	(50)		10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	--		10 U	10 U	10 U	10 U
Acetone	50		10 U	10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U
Carbon disulfide	--		1 U	1 U	1 U	1 U
Carbon Tetrachloride	5		1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U
Chloromethane	5		1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	5		1 U	1 U	1 U	1 U
Dibromochloromethane	(50)		1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	1 U	1 U	1 U
Methylene Chloride	5		1 U	1 U	**30**	1 U
Styrene	5		1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	5		1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U
Vinyl Chloride	2		1 U	1 U	1 U	1 U
Xylenes (total)	5		3 U	3 U	3 U	3 U

µg/L - Micrograms per liter
U - Indicates compound analyzed for but not detected
[1] - New York State Department of Environmental Conservation (NYSDEC) Ambient Water-Quality Standards and Guidance Values (AWQSGVs) NYS Standards and Guidance Values taken from June, 1998 New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1.), Ambient Water Quality Standards and Guidance Values. Guidance Values are shown in parentheses.
-- - No Standard available

Note:
Bold data indicates that parameter was detected above the NYSDEC AWSQGVs

Table 5. Summary of Semivolatile Organic Compounds Detected in Groundwater Samples, 551 West 21st Street

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs[1] (µg/L)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-2 12/07/04 10-15	SB-4 12/08/04 10-14	SB-6 12/08/04 10-14	SB-7 12/09/04 10-14
1,2,4-Trichlorobenzene	(5)		1 U	10 U	1 U	1 U
1,2-Dichlorobenzene	3		1 U	10 U	1 U	1 U
1,3-Dichlorobenzene	3		1 U	10 U	1 U	1 U
1,4-Dichlorobenzene	3		1 U	10 U	1 U	1 U
2,4,5-Trichlorophenol	--		1 U	10 U	1 U	1 U
2,4,6-Trichlorophenol	--		1 U	10 U	1 U	1 U
2,4-Dichlorophenol	5		1 U	10 U	1 U	1 U
2,4-Dimethylphenol	(50)		1 U	10 U	1 U	1 U
2,4-Dinitrophenol	(10)		10 U	100 U	10 U	10 U
2,4-Dinitrotoluene	5		1 U	10 U	1 U	1 U
2,6-Dinitrotoluene	5		1 U	10 U	1 U	1 U
2-Chloronaphthalene	(10)		1 U	10 U	1 U	1 U
2-Chlorophenol	--		1 U	10 U	1 U	1 U
2-Methyl-4,6-dinitrophenol	--		10 U	100 U	10 U	10 U
2-Methylnaphthalene	--		1 U	10 U	1 U	1 U
2-Methylphenol	--		1 U	10 U	1 U	1 U
2-Nitroaniline	5		1 U	10 U	1 U	1 U
2-Nitrophenol	--		1 U	10 U	1 U	1 U
3,3'-Dichlorobenzidine	5		10 U	100 U	10 U	10 U
3-Nitroaniline	5		1 U	10 U	1 U	1 U
4-Bromophenyl phenyl ether	--		1 U	10 U	1 U	1 U
4-Chloro-3-methylphenol	--		1 U	10 U	1 U	1 U
4-Chloroaniline	5		1 U	10 U	1 U	1 U
4-Chlorophenyl phenyl ether	--		1 U	10 U	1 U	1 U
4-Methylphenol	--		1 U	10 U	1 U	1 U
4-Nitroaniline	5		1 U	10 U	1 U	1 U
4-Nitrophenol	--		10 U	100 U	10 U	10 U
Acenaphthene	(20)		1 U	10 U	1 U	1 U
Acenaphthylene	--		1 U	10 U	1 U	1 U
Anthracene	(50)		1 U	10	1 U	1 U
Benzo[a]anthracene	(0.002)		**1**	**34**	1 U	1 U
Benzo[a]pyrene	--		2	50	1 U	1 U
Benzo[b]fluoranthene	(0.002)		**1.7**	**32**	1 U	1 U
Benzo[g,h,i]perylene	--		1	18	1 U	1 U
Benzo[k]fluoranthene	(0.002)		**1.7**	**32**	1 U	1 U
Bis(2-chloroethoxy)methane	5		1 U	10 U	1 U	1 U
Bis(2-chloroethyl) ether	1		1 U	10 U	1 U	1 U
Bis(2-chloroisopropyl) ether	5		1 U	10 U	1 U	1 U
Bis(2-ethylhexyl) phthalate	5		1	10 U	1 U	1 U
Butylbenzyl phthalate	(50)		1 U	10 U	1 U	1 U
Carbazole	--		1 U	10 U	1 U	1 U
Chrysene	(0.002)		**1**	**32**	1 U	1 U

Table 5. Summary of Semivolatile Organic Compounds Detected in Groundwater Samples, 551 West 21st Street

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs[1] (µg/L)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-2 12/07/04 10-15	SB-4 12/08/04 10-14	SB-6 12/08/04 10-14	SB-7 12/09/04 10-14
Di-n-Butyl Phthalate	--		1 U	10 U	1 U	1 U
Di-n-octyl Phthalate	(50)		1 U	10 U	1 U	1 U
Dibenzo[a,h]anthracene	--		1 U	10 U	1 U	1 U
Dibenzofuran	--		1 U	10 U	1 U	1 U
Diethyl Phthalate	(50)		1 U	10 U	1 U	1 U
Dimethyl Phthalate	50		1 U	10 U	1 U	1 U
Fluoranthene	(50)		2	32	1 U	1 U
Fluorene	(50)		1 U	10 U	1 U	1 U
Hexachlorobenzene	0.04		1 U	10 U	1 U	1 U
Hexachlorobutadiene	0.5		1 U	10 U	1 U	1 U
Hexachlorocyclopentadiene	--		10 U	100 U	10 U	10 U
Hexachloroethane	--		1 U	10 U	1 U	1 U
Indeno[1,2,3-cd]pyrene	(0.002)		**1**	**16**	1 U	1 U
Isophorone	50		1 U	10 U	1 U	1 U
N-Nitrosodi-n-propylamine	--		1 U	10 U	1 U	1 U
N-Nitrosodiphenylamine	50		1 U	10 U	1 U	1 U
Naphthalene	(10)		1 U	10 U	1 U	1 U
Nitrobenzene	0.4		1 U	10 U	1 U	1 U
Pentachlorophenol	--		10 U	100 U	10 U	10 U
Phenanthrene	(50)		1	24	1 U	1 U
Phenol	1		1 U	10 U	1 U	1 U
Pyrene	(50)		2	36	1 U	1 U

µg/L - Micrograms per liter
U - Indicates compound analyzed for but not detected
[1] - New York State Department of Environmental Conservation (NYSDEC) Ambient Water-Quality Standards and Guidance Values (AWQSGVs) NYS Standards and Guidance Values taken from June, 1998 New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1.), Ambient Water Quality Standards and Guidance Values. Guidance Values are shown in parentheses.
-- - No Standard available

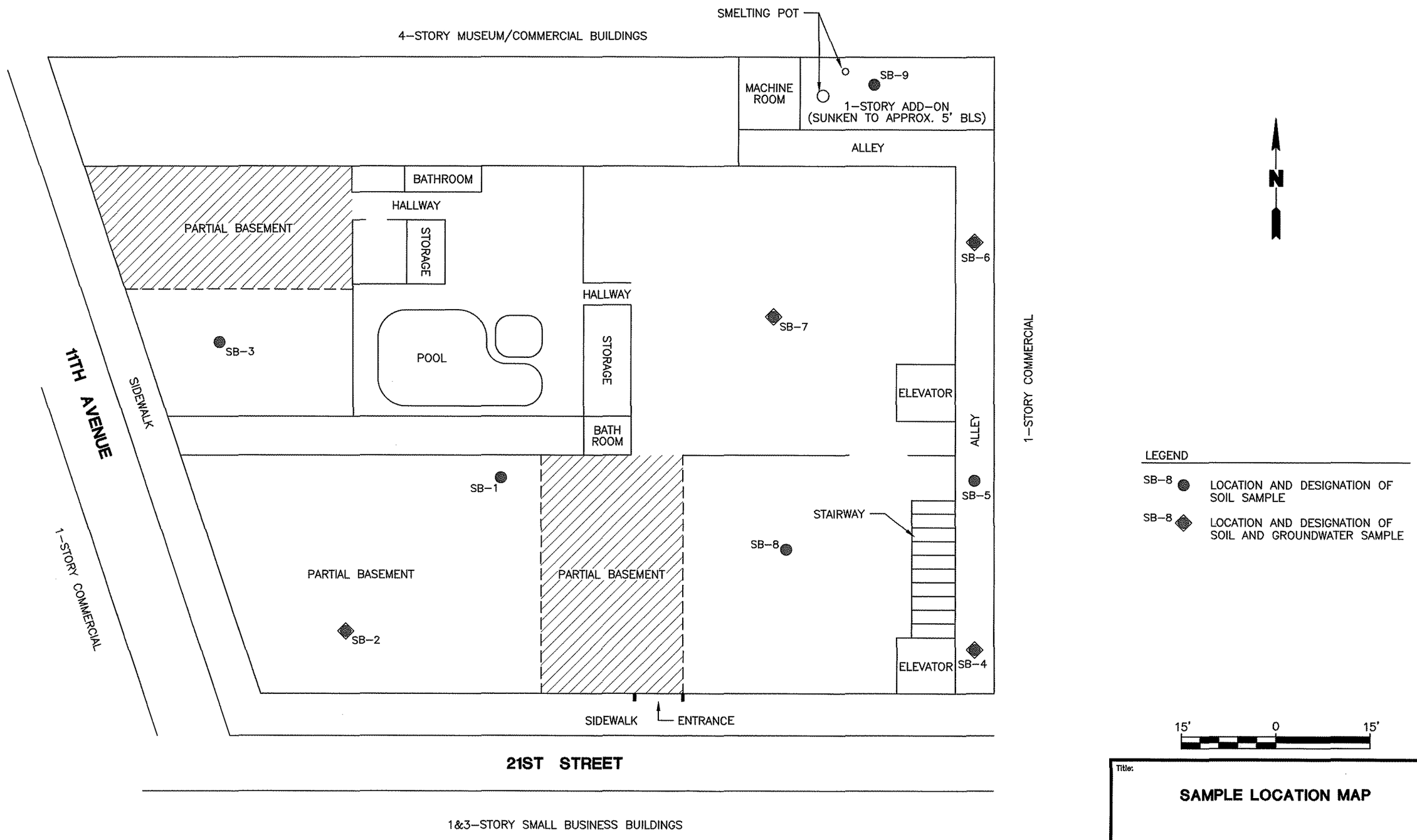
Note:
Bold data indicates that parameter was detected above the NYSDEC AWSQGVs

Table 6. Summary of Metals Detected in Groundwater Samples, 551 West 21st Street

Parameter (Concentrations in mg/L)	NYSDEC AWQSGVs[1] (mg/L)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	SB-2 12/07/04 10-15	SB-4 12/08/04 10-14	SB-6 12/08/04 10-14	SB-7 12/09/04 10-14
Aluminum	--		33	5	13	2
Antimony	(0.003)		0.01 U	0.01 U	0.01 U	0.01 U
Arsenic	0.025		**0.04**	0.017	**0.046**	0.018
Barium	1		**1.1**	0.29	1	0.85
Beryllium	(0.003)		0.002	0.001 U	0.001	0.001 U
Cadmium	0.005		**0.008**	0.005 U	0.005 U	0.005 U
Calcium	--		290	87	68	81
Chromium	0.05		**0.068**	0.01	0.034	0.006
Cobalt	--		0.031	0.006	0.013	0.005 U
Copper	0.2		0.19	0.07	0.11	0.01
Iron	0.3		**47**	**14**	**18**	**2.5**
Lead	0.025		**1.5**	**0.14**	**5.1**	**0.07**
Magnesium	(35)		**180**	**130**	**60**	**79**
Manganese	0.3		**1.2**	**0.39**	**0.32**	0.23
Mercury	0.0007		**0.0063**	**0.0018**	**0.017**	0.001 U
Nickel	0.1		0.06	0.01	0.03	0.01 U
Potassium	--		71	88	47	57
Selenium	0.01		0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.05		0.005 U	0.005 U	0.005 U	0.005 U
Sodium	20		**490**	**880**	**430**	**520**
Thallium	0.012		0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	--		0.094	0.014	0.057	0.009
Zinc	2		0.53	0.23	0.35	0.2

mg/L - Milligrams per liter
U - Indicates compound analyzed for but not detected
[1] - New York State Department of Environmental Conservation (NYSDEC) Ambient Water-Quality Standards and Guidance Values (AWQSGVs) NYS Standards and Guidance Values taken from June, 1998 New York State Department of Environmental Conservation Division of Water Technical and Operational Guidance Series (1.1.1.), Ambient Water Quality Standards and Guidance Values. Guidance Values are shown in parentheses.
-- - No Standard available

Note:
Bold data indicates that parameter was detected above the NYSDEC AWSQGVs



Title:

SAMPLE LOCATION MAP

Prepared For:

551 WEST CHELSEA PARTNERS, LLC

ROUX ASSOCIATES, INC. *Environmental Consulting & Management*	Compiled by: B.H	Date: 22DEC04	FIGURE
	Prepared by: G.M.	Scale: AS SHOWN	1
	Project Mgr: B.H	Office: NY	
	File No: FIV0110001	Project: 126201Y	

APPENDIX A

Chains of Custody

ROUX CHAIN OF CUSTODY

№ 08550 Y

ROUX ASSOCIATES, INC.
Environmental Consulting & Management
209 SHAFTER STREET
ISLANDIA, NEW YORK 11749-5074
(631) 232-2600 FAX: (631) 232-9898

ANALYSES

PROJECT NAME: 551 WEST 21 STREET

PROJECT NUMBER: 126201Y

PROJECT LOCATION: 551 WEST 21ST STREET, NEW YORK, NEW YORK

PROJECT MANAGER: BILL HOLUBOWICH

SAMPLER(S): B. BEN-ELIEZER

SAMPLE DESIGNATION / LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	TCL VOCs	TCL SVOCs	TAL METALS	FULL TCLP		TOTAL BOTTLES	NOTES
SB-1/10-15 •	12/7/04	1015	SOIL	✓	✓	✓	✓		3	TCLP on hold
SB-1/5-7 •	12/7/04	1020	SOIL	✓	✓	✓			2	
SB-2/10-15 •	12/7/04	1120	SOIL	✓	✓	✓			2	
SB-2/10-15	12/7/04	1210	AQ	✓	✓	✓			4	
SB-3/15-20 •	12/7/04	1525	SOIL	✓	✓	✓	✓		3	TCLP on hold
SB-4/8-12 •	12/8/04	1110	SOIL	✓	✓	✓			2	
SB-4/10-14	12/8/04	1130	AQ	✓	✓	✓			4	
SB-5/8-12 •	12/8/04	1320	SOIL	✓	✓	✓	✓		3	TCLP on hold
SB-6/4-8 •	12/8/04	1450	SOIL	✓	✓	✓			2	
SB-6/10-14	12/8/04	1515	AQ	✓	✓	✓			4	

RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
[signature]	ROUX	12/10/04	0905	Y OR N	[signature]	Ecotest	12/10/04	9:15	
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N

DELIVERY METHOD

ANALYTICAL LABORATORY: ECOTEST

COMMENTS

ROUX CHAIN OF CUSTODY

No. 08547 Y

ROUX ASSOCIATES, INC.
Environmental Consulting & Management
209 SHAFTER STREET
ISLANDIA, NEW YORK 11749-5074
(631) 232-2600 FAX: (631) 232-9898

ANALYSES

PROJECT NAME: 551 WEST 21 STREET

PROJECT NUMBER: 126201Y

PROJECT LOCATION: 551 WEST 21st STREET, NEW YORK, NEW YORK

PROJECT MANAGER: BILL HOLUBOVICH

SAMPLER(S): B. BEN-ELIEZER

SAMPLE DESIGNATION / LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	TCL VOCs	TCL SVOCs	TAL METALS	FULL TCLP		TOTAL BOTTLES	NOTES
SB-7/12-16	12/9/04	1050	soil	✓	✓	✓			2	
SB-8/12-16	12/9/04	1300	soil	✓	✓	✓	✓		3	TCLP on hold (2oz jar)
SB-7/10-14	12/9/04	1120	AQ	✓	✓	✓			4	
SB-8/10-0.5	12/9/04	1415	soil	✓	✓	✓			2	

RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
[signature]	Roux	12/19/04	0905	Y	[signature]	Ecotest	12/19/04	9:15	
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N

DELIVERY METHOD: Drop-off

ANALYTICAL LABORATORY: ECOTEST

COMMENTS

CHAINOF.CDR 12AUG98

APPENDIX B

Laboratory Reports

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.01 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1015
MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 130		12/17/04	125	EPA8260
Bromomethane	ug/Kg	< 130		12/17/04	125	EPA8260
Vinyl Chloride	ug/Kg	< 130		12/17/04	125	EPA8260
Chloroethane	ug/Kg	< 130		12/17/04	125	EPA8260
Methylene Chloride	ug/Kg	< 130		12/17/04	125	EPA8260
Acetone	ug/Kg	< 1300		12/17/04	1250	EPA8260
Carbon disulfide	ug/Kg	< 130		12/17/04	125	EPA8260
1,1 Dichloroethene	ug/Kg	< 130		12/17/04	125	EPA8260
1,1 Dichloroethane	ug/Kg	< 130		12/17/04	125	EPA8260
1,2 Dichloroethene	ug/Kg	< 250		12/17/04	250	EPA8260
Chloroform	ug/Kg	< 130		12/17/04	125	EPA8260
1,2 Dichloroethane	ug/Kg	< 130		12/17/04	125	EPA8260
2-Butanone	ug/Kg	< 1300		12/17/04	1250	EPA8260
111 Trichloroethane	ug/Kg	< 130		12/17/04	125	EPA8260
Carbon Tetrachloride	ug/Kg	< 130		12/17/04	125	EPA8260
Bromodichloromethane	ug/Kg	< 130		12/17/04	125	EPA8260
1,2 Dichloropropane	ug/Kg	< 130		12/17/04	125	EPA8260
c-1,3Dichloropropene	ug/Kg	< 130		12/17/04	125	EPA8260
Trichloroethene	ug/Kg	< 130		12/17/04	125	EPA8260
Chlorodibromomethane	ug/Kg	< 130		12/17/04	125	EPA8260
112 Trichloroethane	ug/Kg	< 130		12/17/04	125	EPA8260
Benzene	ug/Kg	< 130		12/17/04	125	EPA8260
t-1,3Dichloropropene	ug/Kg	< 130		12/17/04	125	EPA8260
Bromoform	ug/Kg	< 130		12/17/04	125	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 1300		12/17/04	1250	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.01 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1015
MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 1300		12/17/04	1250	EPA8260
Tetrachloroethene	ug/Kg	< 130		12/17/04	125	EPA8260
Toluene	ug/Kg	< 130		12/17/04	125	EPA8260
1122Tetrachloroethane	ug/Kg	< 130		12/17/04	125	EPA8260
Chlorobenzene	ug/Kg	< 130		12/17/04	125	EPA8260
Ethyl Benzene	ug/Kg	< 130		12/17/04	125	EPA8260
Styrene	ug/Kg	< 130		12/17/04	125	EPA8260
o Xylene	ug/Kg	< 130		12/17/04	125	EPA8260
m + p Xylene	ug/Kg	< 250		12/17/04	250	EPA8260
Xylene	ug/Kg	< 380		12/17/04	375	EPA8260
% Solids		80		12/13/04	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS: Elevated detection level due to method analyte interference in sample.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.01 12/22/04

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Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1015
MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 190		12/16/04	187.5	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 190		12/16/04	187.5	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 190		12/16/04	187.5	EPA8270
Carbazole	ug/Kg	7000		12/16/04	375	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 190		12/16/04	187.5	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 190		12/16/04	187.5	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 190		12/16/04	187.5	EPA8270
Hexachloroethane	ug/Kg	< 190		12/16/04	187.5	EPA8270
Nitrobenzene	ug/Kg	< 190		12/16/04	187.5	EPA8270
Isophorone	ug/Kg	< 190		12/16/04	187.5	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 190		12/16/04	187.5	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 190		12/16/04	187.5	EPA8270
Naphthalene(sv)	ug/Kg	13000		12/16/04	3750	EPA8270
4-Chloroaniline	ug/Kg	< 190		12/16/04	187.5	EPA8270
Hexachlorobutadiene	ug/Kg	< 190		12/16/04	187.5	EPA8270
2-Methylnaphthalene	ug/Kg	5600		12/16/04	3750	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 1900		12/16/04	1875	EPA8270
2-Chloronaphthalene	ug/Kg	< 190		12/16/04	187.5	EPA8270
2-Nitroaniline	ug/Kg	< 190		12/16/04	187.5	EPA8270
Dimethyl Phthalate	ug/Kg	< 190		12/16/04	187.5	EPA8270
Acenaphthylene	ug/Kg	7900		12/16/04	3750	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 190		12/16/04	187.5	EPA8270
3-Nitroaniline	ug/Kg	< 190		12/16/04	187.5	EPA8270
Acenaphthene	ug/Kg	36000		12/16/04	3750	EPA8270
Dibenzofuran	ug/Kg	33000		12/16/04	3750	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.01 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1015
MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 190		12/16/04	187.5	EPA8270
Diethyl Phthalate	ug/Kg	< 190		12/16/04	187.5	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 190		12/16/04	187.5	EPA8270
Fluorene	ug/Kg	43000		12/16/04	3750	EPA8270
4-Nitroaniline	ug/Kg	< 190		12/16/04	187.5	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 190		12/16/04	187.5	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 190		12/16/04	187.5	EPA8270
Hexachlorobenzene	ug/Kg	< 190		12/16/04	187.5	EPA8270
Phenanthrene	ug/Kg	125000		12/16/04	3750	EPA8270
Anthracene	ug/Kg	56000		12/16/04	3750	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 190		12/16/04	187.5	EPA8270
Fluoranthene	ug/Kg	65000		12/16/04	3750	EPA8270
Pyrene	ug/Kg	65000		12/16/04	3750	EPA8270
BenzylButylPhthalate	ug/Kg	< 190		12/16/04	187.5	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 38000		12/16/04	37500	EPA8270
Benzo(a)anthracene	ug/Kg	31000		12/16/04	3750	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.01 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1015
MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	28000		12/16/04	3750	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 3800		12/16/04	3750	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 3800		12/16/04	3750	EPA8270
Benzo(b)fluoranthene	ug/Kg	15000	#	12/16/04	3750	EPA8270
Benzo(k)fluoranthene	ug/Kg	15000	#	12/16/04	3750	EPA8270
Benzo(a)pyrene	ug/Kg	21000		12/16/04	3750	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	4600		12/16/04	3750	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 3800		12/16/04	3750	EPA8270
Benzo(ghi)perylene	ug/Kg	4800		12/16/04	3750	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: #Total = 30000 ug/Kg, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.01 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1015
MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	460		12/16/04	187.5	EPA8270
2-Chlorophenol	ug/Kg	< 190		12/16/04	187.5	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 190		12/16/04	187.5	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	1400	*	12/16/04	187.5	EPA8270
2-Nitrophenol	ug/Kg	< 190		12/16/04	187.5	EPA8270
2,4-Dimethylphenol	ug/Kg	950		12/16/04	187.5	EPA8270
2,4-Dichlorophenol	ug/Kg	< 190		12/16/04	187.5	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 190		12/16/04	187.5	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 190		12/16/04	187.5	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 190		12/16/04	187.5	EPA8270
2,4-Dinitrophenol	ug/Kg	< 1900		12/16/04	1875	EPA8270
4-Nitrophenol	ug/Kg	< 1900		12/16/04	1875	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 1900		12/16/04	1875	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 1900		12/16/04	1875	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: *Total for 3 & 4 methylphenol, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.01 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1015
MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	5500		12/15/04	1.25	EPA6010
Antimony as Sb	mg/Kg	< 1.3		12/15/04	1.25	EPA6010
Arsenic as As	mg/Kg	9.1		12/15/04	1.25	EPA6010
Barium as Ba	mg/Kg	150		12/17/04	3.125	EPA6010
Beryllium as Be	mg/Kg	0.35		12/15/04	0.125	EPA6010
Cadmium as Cd	mg/Kg	1.1		12/15/04	0.625	EPA6010
Calcium as Ca	mg/Kg	30000		12/17/04	125	EPA6010
Chromium as Cr	mg/Kg	11		12/15/04	0.625	EPA6010
Cobalt as Co	mg/Kg	6.1		12/15/04	0.625	EPA6010
Copper as Cu	mg/Kg	36		12/15/04	1.25	EPA6010
Iron as Fe	mg/Kg	16000		12/17/04	6.25	EPA6010
Lead as Pb	mg/Kg	350		12/15/04	0.625	EPA6010
Magnesium as Mg	mg/Kg	2300		12/15/04	0.625	EPA6010
Manganese as Mn	mg/Kg	240		12/15/04	1.25	EPA6010
Mercury as Hg	mg/Kg	0.4		12/21/04	0.025	EPA7470A
Nickel as Ni	mg/Kg	14		12/15/04	1.25	EPA6010
Potassium as K	mg/Kg	1300		12/15/04	125	EPA6010
Selenium as Se	mg/Kg	1.5		12/17/04	0.5	EPA7740
Silver as Ag	mg/Kg	< 0.63		12/15/04	0.625	EPA6010
Sodium as Na	mg/Kg	1200		12/15/04	125	EPA6010
Thallium as Tl	mg/Kg	< 0.5		12/20/04	0.5	EPA7841
Vanadium as V	mg/Kg	15		12/15/04	0.625	EPA6010
Zinc as Zn	mg/Kg	95		12/15/04	1.25	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.02 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1020
MATRIX:Soil SAMPLE: SB-1/5-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Bromomethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Vinyl Chloride	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Chloroethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Methylene Chloride	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Acetone	ug/Kg	< 64		12/13/04	64.102	EPA8260
Carbon disulfide	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
1,2 Dichloroethene	ug/Kg	< 13		12/13/04	12.820	EPA8260
Chloroform	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
2-Butanone	ug/Kg	< 64		12/13/04	64.102	EPA8260
111 Trichloroethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Bromodichloromethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Trichloroethene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Chlorodibromomethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
112 Trichloroethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Benzene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
t-1,3Dichloropropene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Bromoform	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 64		12/13/04	64.102	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.02 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1020
MATRIX:Soil SAMPLE: SB-1/5-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 64		12/13/04	64.102	EPA8260
Tetrachloroethene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Toluene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Chlorobenzene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Ethyl Benzene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Styrene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
o Xylene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
m + p Xylene	ug/Kg	< 13		12/13/04	12.820	EPA8260
Xylene	ug/Kg	< 19		12/13/04	19.230	EPA8260
% Solids		78		12/13/04	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.02 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1020
MATRIX:Soil SAMPLE: SB-1/5-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Carbazole	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachloroethane	ug/Kg	< 38		12/15/04	38.461	EPA8270
Nitrobenzene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Isophorone	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 38		12/15/04	38.461	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Naphthalene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chloroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorobutadiene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Methylnaphthalene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 380		12/15/04	384.61	EPA8270
2-Chloronaphthalene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dimethyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Acenaphthylene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 38		12/15/04	38.461	EPA8270
3-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Acenaphthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dibenzofuran	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.02 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1020
MATRIX:Soil SAMPLE: SB-1/5-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Diethyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
Fluorene	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorobenzene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Phenanthrene	ug/Kg	92		12/15/04	38.461	EPA8270
Anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Fluoranthene	ug/Kg	130		12/15/04	38.461	EPA8270
Pyrene	ug/Kg	110		12/15/04	38.461	EPA8270
BenzylButylPhthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 380		12/15/04	384.61	EPA8270
Benzo(a)anthracene	ug/Kg	99		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47703 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.02 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1020
MATRIX:Soil SAMPLE: SB-1/5-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	91		12/15/04	38.461	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(b)fluoranthene	ug/Kg	110	#	12/15/04	38.461	EPA8270
Benzo(k)fluoranthene	ug/Kg	110	#	12/15/04	38.461	EPA8270
Benzo(a)pyrene	ug/Kg	170		12/15/04	38.461	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	110		12/15/04	38.461	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(ghi)perylene	ug/Kg	110		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: #Total = 220 ug/Kg, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.02 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1020
MATRIX:Soil SAMPLE: SB-1/5-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Chlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Nitrophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dimethylphenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dinitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
4-Nitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 380		12/15/04	384.61	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.02 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1020
MATRIX:Soil SAMPLE: SB-1/5-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6500		12/15/04	1.2820	EPA6010
Antimony as Sb	mg/Kg	< 2.6		12/15/04	2.5641	EPA6010
Arsenic as As	mg/Kg	26		12/15/04	1.2820	EPA6010
Barium as Ba	mg/Kg	240		12/17/04	3.2051	EPA6010
Beryllium as Be	mg/Kg	0.59		12/15/04	0.1282	EPA6010
Cadmium as Cd	mg/Kg	0.85		12/15/04	0.6410	EPA6010
Calcium as Ca	mg/Kg	5800		12/15/04	25.641	EPA6010
Chromium as Cr	mg/Kg	17		12/15/04	0.6410	EPA6010
Cobalt as Co	mg/Kg	6.3		12/15/04	0.6410	EPA6010
Copper as Cu	mg/Kg	95		12/15/04	1.2820	EPA6010
Iron as Fe	mg/Kg	12000		12/15/04	1.2820	EPA6010
Lead as Pb	mg/Kg	1100		12/15/04	0.6410	EPA6010
Magnesium as Mg	mg/Kg	15		12/15/04	0.6410	EPA6010
Manganese as Mn	mg/Kg	180		12/15/04	1.2820	EPA6010
Mercury as Hg	mg/Kg	1.8		12/21/04	0.0641	EPA7470A
Nickel as Ni	mg/Kg	14		12/15/04	1.2820	EPA6010
Potassium as K	mg/Kg	1100		12/15/04	128.20	EPA6010
Selenium as Se	mg/Kg	1.7		12/17/04	0.5128	EPA7740
Silver as Ag	mg/Kg	3.1		12/15/04	0.6410	EPA6010
Sodium as Na	mg/Kg	1300		12/15/04	128.20	EPA6010
Thallium as Tl	mg/Kg	< 1.3		12/21/04	1.2820	EPA7841
Vanadium as V	mg/Kg	26		12/15/04	0.6410	EPA6010
Zinc as Zn	mg/Kg	140		12/15/04	1.2820	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47706 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.03 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Bromomethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Vinyl Chloride	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Chloroethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Methylene Chloride	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Acetone	ug/Kg	< 71		12/13/04	71.428	EPA8260
Carbon disulfide	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
1,1 Dichloroethene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
1,1 Dichloroethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
1,2 Dichloroethene	ug/Kg	< 14		12/13/04	14.285	EPA8260
Chloroform	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
1,2 Dichloroethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
2-Butanone	ug/Kg	< 71		12/13/04	71.428	EPA8260
111 Trichloroethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Carbon Tetrachloride	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Bromodichloromethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
1,2 Dichloropropane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
c-1,3Dichloropropene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Trichloroethene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Chlorodibromomethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
112 Trichloroethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Benzene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
t-1,3Dichloropropene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Bromoform	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 71		12/13/04	71.428	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.03 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 71		12/13/04	71.428	EPA8260
Tetrachloroethene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Toluene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
1122Tetrachloroethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Chlorobenzene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Ethyl Benzene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Styrene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
o Xylene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
m + p Xylene	ug/Kg	< 14		12/13/04	14.285	EPA8260
Xylene	ug/Kg	< 21		12/13/04	21.428	EPA8260
% Solids		70		12/13/04	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.03 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 43		12/15/04	42.857	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 43		12/15/04	42.857	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 43		12/15/04	42.857	EPA8270
Carbazole	ug/Kg	< 43		12/15/04	42.857	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 43		12/15/04	42.857	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 43		12/15/04	42.857	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 43		12/15/04	42.857	EPA8270
Hexachloroethane	ug/Kg	< 43		12/15/04	42.857	EPA8270
Nitrobenzene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Isophorone	ug/Kg	< 43		12/15/04	42.857	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 43		12/15/04	42.857	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 43		12/15/04	42.857	EPA8270
Naphthalene(sv)	ug/Kg	240		12/15/04	42.857	EPA8270
4-Chloroaniline	ug/Kg	< 43		12/15/04	42.857	EPA8270
Hexachlorobutadiene	ug/Kg	< 43		12/15/04	42.857	EPA8270
2-Methylnaphthalene	ug/Kg	47		12/15/04	42.857	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 430		12/15/04	428.57	EPA8270
2-Chloronaphthalene	ug/Kg	< 43		12/15/04	42.857	EPA8270
2-Nitroaniline	ug/Kg	< 43		12/15/04	42.857	EPA8270
Dimethyl Phthalate	ug/Kg	, 43		12/15/04	42.857	EPA8270
Acenaphthylene	ug/Kg	< 43		12/15/04	42.857	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 43		12/15/04	42.857	EPA8270
3-Nitroaniline	ug/Kg	< 43		12/15/04	42.857	EPA8270
Acenaphthene	ug/Kg	46		12/15/04	42.857	EPA8270
Dibenzofuran	ug/Kg	< 43		12/15/04	42.857	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

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EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.03 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Diethyl Phthalate	ug/Kg	< 43		12/15/04	42.857	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 43		12/15/04	42.857	EPA8270
Fluorene	ug/Kg	< 43		12/15/04	42.857	EPA8270
4-Nitroaniline	ug/Kg	< 43		12/15/04	42.857	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 43		12/15/04	42.857	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 43		12/15/04	42.857	EPA8270
Hexachlorobenzene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Phenanthrene	ug/Kg	43		12/15/04	42.857	EPA8270
Anthracene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 43		12/15/04	42.857	EPA8270
Fluoranthene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Pyrene	ug/Kg	< 43		12/15/04	42.857	EPA8270
BenzylButylPhthalate	ug/Kg	< 43		12/15/04	42.857	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 430		12/15/04	428.57	EPA8270
Benzo(a)anthracene	ug/Kg	< 43		12/15/04	42.857	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47710 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.03 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
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TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 43		12/15/04	42.857	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 43		12/15/04	42.857	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Benzo(a)pyrene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Benzo(ghi)perylene	ug/Kg	< 43		12/15/04	42.857	EPA8270

cc:

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REMARKS:

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TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
2-Chlorophenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 43		12/15/04	42.857	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	1000	*	12/15/04	42.857	EPA8270
2-Nitrophenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
2,4-Dimethylphenol	ug/Kg	66		12/15/04	42.857	EPA8270
2,4-Dichlorophenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
2,4-Dinitrophenol	ug/Kg	< 430		12/15/04	428.57	EPA8270
4-Nitrophenol	ug/Kg	< 430		12/15/04	428.57	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 430		12/15/04	428.57	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 430		12/15/04	428.57	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: *Total of 3 & 4 methylphenol, unable to separate isomers.

DIRECTOR

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377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.03 12/22/04

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Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6100		12/15/04	1.4285	EPA6010
Antimony as Sb	mg/Kg	< 1.4		12/15/04	1.4285	EPA6010
Arsenic as As	mg/Kg	10		12/15/04	1.4285	EPA6010
Barium as Ba	mg/Kg	190		12/17/04	3.5714	EPA6010
Beryllium as Be	mg/Kg	0.39		12/15/04	0.1428	EPA6010
Cadmium as Cd	mg/Kg	0.87		12/15/04	0.7142	EPA6010
Calcium as Ca	mg/Kg	16000		12/15/04	28.571	EPA6010
Chromium as Cr	mg/Kg	14		12/15/04	0.7142	EPA6010
Cobalt as Co	mg/Kg	5.6		12/15/04	0.7142	EPA6010
Copper as Cu	mg/Kg	39		12/15/04	1.4285	EPA6010
Iron as Fe	mg/Kg	12000		12/15/04	1.4285	EPA6010
Lead as Pb	mg/Kg	700		12/15/04	0.7142	EPA6010
Magnesium as Mg	mg/Kg	3100		12/15/04	0.7142	EPA6010
Manganese as Mn	mg/Kg	300		12/15/04	1.4285	EPA6010
Mercury as Hg	mg/Kg	1.3		12/21/04	0.0714	EPA7470A
Nickel as Ni	mg/Kg	12		12/15/04	1.4285	EPA6010
Potassium as K	mg/Kg	1300		12/15/04	142.85	EPA6010
Selenium as Se	mg/Kg	1.4		12/17/04	0.5714	EPA7740
Silver as Ag	mg/Kg	< 0.71		12/15/04	0.7142	EPA6010
Sodium as Na	mg/Kg	1600		12/15/04	142.85	EPA6010
Thallium as Tl	mg/Kg	< 1.4		12/21/04	1.4285	EPA7841
Vanadium as V	mg/Kg	19		12/15/04	0.7142	EPA6010
Zinc as Zn	mg/Kg	130		12/15/04	1.4285	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47713 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.04 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		12/14/04	1	EPA8260
Bromomethane	ug/L	< 1		12/14/04	1	EPA8260
Vinyl Chloride	ug/L	< 1		12/14/04	1	EPA8260
Chloroethane	ug/L	< 1		12/14/04	1	EPA8260
Methylene Chloride	ug/L	< 1		12/14/04	1	EPA8260
Acetone	ug/L	< 10		12/14/04	10	EPA8260
Carbon disulfide	ug/L	< 1		12/14/04	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		12/14/04	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		12/14/04	2	EPA8260
Chloroform	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		12/14/04	1	EPA8260
2-Butanone	ug/L	< 10		12/14/04	10	EPA8260
111 Trichloroethane	ug/L	< 1		12/14/04	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		12/14/04	1	EPA8260
Bromodichloromethane	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		12/14/04	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		12/14/04	1	EPA8260
Trichloroethene	ug/L	< 1		12/14/04	1	EPA8260
Chlorodibromomethane	ug/L	< 1		12/14/04	1	EPA8260
112 Trichloroethane	ug/L	< 1		12/14/04	1	EPA8260
Benzene	ug/L	< 1		12/14/04	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		12/14/04	1	EPA8260
Bromoform	ug/L	< 1		12/14/04	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		12/14/04	10	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47714 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.04 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		12/14/04	10	EPA8260
Tetrachloroethene	ug/L	< 1		12/14/04	1	EPA8260
Toluene	ug/L	< 1		12/14/04	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		12/14/04	1	EPA8260
Chlorobenzene	ug/L	< 1		12/14/04	1	EPA8260
Ethyl Benzene	ug/L	< 1		12/14/04	1	EPA8260
Styrene	ug/L	< 1		12/14/04	1	EPA8260
o Xylene	ug/L	< 1		12/14/04	1	EPA8260
m + p Xylene	ug/L	< 2		12/14/04	2	EPA8260
Xylene	ug/L	< 3		12/14/04	3	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

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North Babylon, NY 11703
631 422-5777

LAB NO.245249.04 12/22/04

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ATTN: William Holubowich PO#:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		12/14/04	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
Carbazole	ug/L	< 1		12/14/04	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		12/14/04	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		12/14/04	1	EPA8270
Hexachloroethane	ug/L	< 1		12/14/04	1	EPA8270
Nitrobenzene	ug/L	< 1		12/14/04	1	EPA8270
Isophorone	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		12/14/04	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		12/14/04	1	EPA8270
Naphthalene(sv)	ug/L	< 1		12/14/04	1	EPA8270
4-Chloroaniline	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		12/14/04	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		12/14/04	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		12/14/04	1	EPA8270
2-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Acenaphthylene	ug/L	< 1		12/14/04	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		12/14/04	1	EPA8270
3-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
Acenaphthene	ug/L	< 1		12/14/04	1	EPA8270
Dibenzofuran	ug/L	< 1		12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

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EcoTest Laboratories Inc
377 Sheffield Ave
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631 422-5777

LAB NO.245249.04 12/22/04

Roux Associates, Incorporated
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ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		12/14/04	1	EPA8270
Diethyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		12/14/04	1	EPA8270
Fluorene	ug/L	< 1		12/14/04	1	EPA8270
4-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		12/14/04	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorobenzene	ug/L	< 1		12/14/04	1	EPA8270
Phenanthrene	ug/L	1		12/14/04	1	EPA8270
Anthracene	ug/L	< 1		12/14/04	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Fluoranthene	ug/L	2		12/14/04	1	EPA8270
Pyrene	ug/L	2		12/14/04	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		12/14/04	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10	@	12/14/04	10	EPA8270
Benzo(a)anthracene	ug/L	1		12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: @Estimated due to low internal standard, @27%. Low recovery due to interference. QC limit is 50%.

DIRECTOR

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377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.04 12/22/04

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COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	1		12/14/04	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1		12/14/04	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1	@	12/14/04	1	EPA8270
Benzo(b)fluoranthene	ug/L	1.7	@#	12/14/04	1	EPA8270
Benzo(k)fluoranthene	ug/L	1.7	@#	12/14/04	1	EPA8270
Benzo(a)pyrene	ug/L	2	@	12/14/04	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	1	@	12/14/04	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1	@	12/14/04	1	EPA8270
Benzo(ghi)perylene	ug/L	1	@	12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: @Estimated due to low internal standard, @27%. Low recovery due to interference. QC limit is 50%.
#Total = 3.4 ug/L, unable to separate isomers.

DIRECTOR

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631 422-5777

LAB NO.245249.04 12/22/04

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TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		12/14/04	1	EPA8270
2-Chlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		12/14/04	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		12/14/04	1	EPA8270
2-Nitrophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		12/14/04	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		12/14/04	10	EPA8270
4-Nitrophenol	ug/L	< 10		12/14/04	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		12/14/04	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		12/14/04	10	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.04 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	33		12/15/04	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.01		12/15/04	0.005	EPA200.7
Arsenic as As	mg/L	0.040		12/15/04	0.005	EPA200.7
Barium as Ba	mg/L	1.1		12/15/04	0.005	EPA200.7
Beryllium as Be	mg/L	0.002		12/15/04	0.001	EPA200.7
Cadmium as Cd	mg/L	0.008		12/15/04	0.005	EPA200.7
Calcium as Ca	mg/L	290		12/17/04	2	EPA200.7
Chromium as Cr	mg/L	0.068		12/15/04	0.005	EPA200.7
Cobalt as Co	mg/L	0.031		12/15/04	0.005	EPA200.7
Copper as Cu	mg/L	0.19		12/15/04	0.01	EPA200.7
Iron as Fe	mg/L	47		12/15/04	0.01	EPA200.7
Lead as Pb	mg/L	1.5		12/15/04	0.005	EPA200.7
Magnesium as Mg	mg/L	180		12/17/04	0.05	EPA200.7
Manganese as Mn	mg/L	1.2		12/15/04	0.01	EPA200.7
Mercury as Hg	mg/L	0.0063		12/14/04	0.001	EPA245.2
Nickel as Ni	mg/L	0.06		12/15/04	0.01	EPA200.7
Potassium as K	mg/L	71		12/17/04	10	EPA200.7
Selenium as Se	mg/L	< 0.01		12/15/04	0.01	EPA200.9
Silver as Ag	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Sodium as Na	mg/L	490		12/17/04	10	EPA200.7
Thallium as Tl	mg/L	< 0.01		12/20/04	0.01	EPA200.9
Vanadium as V	mg/L	0.094		12/15/04	0.005	EPA200.7
Zinc as Zn	mg/L	0.53		12/15/04	0.01	EPA200.7

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47720 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.05 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Bromomethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Vinyl Chloride	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Chloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Methylene Chloride	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Acetone	ug/Kg	< 64		12/14/04	64.102	EPA8260
Carbon disulfide	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
1,2 Dichloroethene	ug/Kg	< 13		12/14/04	12.820	EPA8260
Chloroform	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
2-Butanone	ug/Kg	< 64		12/14/04	64.102	EPA8260
111 Trichloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Bromodichloromethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Trichloroethene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Chlorodibromomethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
112 Trichloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Benzene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
t-1,3Dichloropropene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Bromoform	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 64		12/14/04	64.102	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.05 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 64		12/14/04	64.102	EPA8260
Tetrachloroethene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Toluene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Chlorobenzene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Ethyl Benzene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Styrene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
o Xylene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
m + p Xylene	ug/Kg	< 13		12/14/04	12.820	EPA8260
Xylene	ug/Kg	< 19		12/14/04	19.230	EPA8260
% Solids		78		12/13/04	0.1	SM182540G

cc:

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631 422-5777

LAB NO.245249.05 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Carbazole	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachloroethane	ug/Kg	< 38		12/15/04	38.461	EPA8270
Nitrobenzene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Isophorone	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 38		12/15/04	38.461	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Naphthalene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chloroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorobutadiene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Methylnaphthalene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 380		12/15/04	384.61	EPA8270
2-Chloronaphthalene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dimethyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Acenaphthylene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 38		12/15/04	38.461	EPA8270
3-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Acenaphthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dibenzofuran	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.05 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Diethyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
Fluorene	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorobenzene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Phenanthrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Fluoranthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Pyrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
BenzylButylPhthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 380		12/15/04	384.61	EPA8270
Benzo(a)anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

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REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.05 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(a)pyrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(ghi)perylene	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

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REMARKS:

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377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.05 12/22/04

Roux Associates, Incorporated
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Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Chlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Nitrophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dimethylphenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dinitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
4-Nitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 380		12/15/04	384.61	EPA8270

cc:

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REMARKS:

DIRECTOR

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631 422-5777

LAB NO.245249.05 12/22/04

Roux Associates, Incorporated
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Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6500		12/15/04	1.2820	EPA6010
Antimony as Sb	mg/Kg	< 1.3		12/15/04	1.2820	EPA6010
Arsenic as As	mg/Kg	2.8		12/15/04	1.2820	EPA6010
Barium as Ba	mg/Kg	38		12/15/04	0.6410	EPA6010
Beryllium as Be	mg/Kg	0.26		12/15/04	0.1282	EPA6010
Cadmium as Cd	mg/Kg	0.68		12/15/04	0.6410	EPA6010
Calcium as Ca	mg/Kg	4600		12/15/04	25.641	EPA6010
Chromium as Cr	mg/Kg	11		12/15/04	0.6410	EPA6010
Cobalt as Co	mg/Kg	4.9		12/15/04	0.6410	EPA6010
Copper as Cu	mg/Kg	11		12/15/04	1.2820	EPA6010
Iron as Fe	mg/Kg	12000		12/15/04	1.2820	EPA6010
Lead as Pb	mg/Kg	44		12/15/04	0.6410	EPA6010
Magnesium as Mg	mg/Kg	2900		12/15/04	0.6410	EPA6010
Manganese as Mn	mg/Kg	180		12/15/04	1.2820	EPA6010
Mercury as Hg	mg/Kg	0.049		12/21/04	0.0064	EPA7470A
Nickel as Ni	mg/Kg	11		12/15/04	1.2820	EPA6010
Potassium as K	mg/Kg	740		12/15/04	128.20	EPA6010
Selenium as Se	mg/Kg	< 0.51		12/17/04	0.5128	EPA7740
Silver as Ag	mg/Kg	< 0.64		12/15/04	0.6410	EPA6010
Sodium as Na	mg/Kg	1100		12/15/04	128.20	EPA6010
Thallium as Tl	mg/Kg	< 1.3		12/15/04	1.2820	EPA6010
Vanadium as V	mg/Kg	13		12/15/04	0.6410	EPA6010
Zinc as Zn	mg/Kg	38		12/15/04	1.2820	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.06 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Bromomethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Vinyl Chloride	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Chloroethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Methylene Chloride	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Acetone	ug/Kg	< 68		12/14/04	67.567	EPA8260
Carbon disulfide	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
1,2 Dichloroethene	ug/Kg	< 14		12/14/04	13.513	EPA8260
Chloroform	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
2-Butanone	ug/Kg	< 68		12/14/04	67.567	EPA8260
111 Trichloroethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Bromodichloromethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Trichloroethene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Chlorodibromomethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
112 Trichloroethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Benzene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
t-1,3Dichloropropene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Bromoform	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 68		12/14/04	67.567	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.06 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 68		12/14/04	67.567	EPA8260
Tetrachloroethene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Toluene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Chlorobenzene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Ethyl Benzene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Styrene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
o Xylene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
m + p Xylene	ug/Kg	< 14		12/14/04	13.513	EPA8260
Xylene	ug/Kg	< 20		12/14/04	20.270	EPA8260
% Solids		74		12/13/04	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.06 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 200		12/16/04	202.70	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 200		12/16/04	202.70	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 200		12/16/04	202.70	EPA8270
Carbazole	ug/Kg	640		12/16/04	202.70	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 200		12/16/04	202.70	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 200		12/16/04	202.70	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 200		12/16/04	202.70	EPA8270
Hexachloroethane	ug/Kg	< 200		12/16/04	202.70	EPA8270
Nitrobenzene	ug/Kg	< 200		12/16/04	202.70	EPA8270
Isophorone	ug/Kg	< 200		12/16/04	202.70	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 200		12/16/04	202.70	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 200		12/16/04	202.70	EPA8270
Naphthalene(sv)	ug/Kg	420		12/16/04	202.70	EPA8270
4-Chloroaniline	ug/Kg	< 200		12/16/04	202.70	EPA8270
Hexachlorobutadiene	ug/Kg	< 200		12/16/04	202.70	EPA8270
2-Methylnaphthalene	ug/Kg	230		12/16/04	202.70	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 2000		12/16/04	2027.0	EPA8270
2-Chloronaphthalene	ug/Kg	< 200		12/16/04	202.70	EPA8270
2-Nitroaniline	ug/Kg	< 200		12/16/04	202.70	EPA8270
Dimethyl Phthalate	ug/Kg	< 200		12/16/04	202.70	EPA8270
Acenaphthylene	ug/Kg	< 200		12/16/04	202.70	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 200		12/16/04	202.70	EPA8270
3-Nitroaniline	ug/Kg	< 200		12/16/04	202.70	EPA8270
Acenaphthene	ug/Kg	550		12/16/04	202.70	EPA8270
Dibenzofuran	ug/Kg	230		12/16/04	202.70	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.06 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 200		12/16/04	202.70	EPA8270
Diethyl Phthalate	ug/Kg	< 200		12/16/04	202.70	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 200		12/16/04	202.70	EPA8270
Fluorene	ug/Kg	570		12/16/04	202.70	EPA8270
4-Nitroaniline	ug/Kg	< 200		12/16/04	202.70	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 200		12/16/04	202.70	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 200		12/16/04	202.70	EPA8270
Hexachlorobenzene	ug/Kg	< 200		12/16/04	202.70	EPA8270
Phenanthrene	ug/Kg	2800		12/16/04	202.70	EPA8270
Anthracene	ug/Kg	1400		12/16/04	202.70	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 200		12/16/04	202.70	EPA8270
Fluoranthene	ug/Kg	3400		12/16/04	202.70	EPA8270
Pyrene	ug/Kg	5100		12/16/04	202.70	EPA8270
BenzylButylPhthalate	ug/Kg	< 200		12/16/04	202.70	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 2000	@	12/16/04	2027.0	EPA8270
Benzo(a)anthracene	ug/Kg	3200		12/16/04	202.70	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: @Estimated due to low internal standard, @32%. Low recovery due to interference. QC limit is 50%.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.06 12/22/04

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TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	3200		12/16/04	202.70	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 200		12/16/04	202.70	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 200	@	12/16/04	202.70	EPA8270
Benzo(b)fluoranthene	ug/Kg	3800	@#	12/16/04	202.70	EPA8270
Benzo(k)fluoranthene	ug/Kg	3800	@#	12/16/04	202.70	EPA8270
Benzo(a)pyrene	ug/Kg	4700	@	12/16/04	202.70	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	1600	@	12/16/04	202.70	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	590	@	12/16/04	202.70	EPA8270
Benzo(ghi)perylene	ug/Kg	2200	@	12/16/04	202.70	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: @Estimated due to low internal standard, @32%. Low recovery due to interference. QC limit is 50%.
#Total = 7600 ug/Kg, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.06 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2-Chlorophenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 200		12/16/04	202.70	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	960	*	12/16/04	202.70	EPA8270
2-Nitrophenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2,4-Dimethylphenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2,4-Dichlorophenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2,4-Dinitrophenol	ug/Kg	< 2000		12/16/04	2027.0	EPA8270
4-Nitrophenol	ug/Kg	< 2000		12/16/04	2027.0	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 2000		12/16/04	2027.0	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 2000		12/16/04	2027.0	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: *Total of 3 & 4 methylphenol, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.06 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	5100		12/15/04	1.3513	EPA6010
Antimony as Sb	mg/Kg	< 1.4		12/15/04	1.3513	EPA6010
Arsenic as As	mg/Kg	7.3		12/15/04	1.3513	EPA6010
Barium as Ba	mg/Kg	100		12/15/04	0.6756	EPA6010
Beryllium as Be	mg/Kg	0.38		12/15/04	0.1351	EPA6010
Cadmium as Cd	mg/Kg	0.84		12/15/04	0.6756	EPA6010
Calcium as Ca	mg/Kg	11000		12/15/04	27.027	EPA6010
Chromium as Cr	mg/Kg	11		12/15/04	0.6756	EPA6010
Cobalt as Co	mg/Kg	5.4		12/15/04	0.6756	EPA6010
Copper as Cu	mg/Kg	28		12/15/04	1.3513	EPA6010
Iron as Fe	mg/Kg	11000		12/15/04	1.3513	EPA6010
Lead as Pb	mg/Kg	350		12/15/04	0.6756	EPA6010
Magnesium as Mg	mg/Kg	2300		12/15/04	0.6756	EPA6010
Manganese as Mn	mg/Kg	230		12/15/04	1.3513	EPA6010
Mercury as Hg	mg/Kg	0.20		12/21/04	0.0067	EPA7470A
Nickel as Ni	mg/Kg	12		12/15/04	1.3513	EPA6010
Potassium as K	mg/Kg	1100		12/15/04	135.13	EPA6010
Selenium as Se	mg/Kg	0.65		12/17/04	0.5405	EPA7740
Silver as Ag	mg/Kg	< 0.68		12/15/04	0.6756	EPA6010
Sodium as Na	mg/Kg	760		12/15/04	135.13	EPA6010
Thallium as Tl	mg/Kg	< 1.4		12/15/04	1.3513	EPA6010
Vanadium as V	mg/Kg	14		12/15/04	0.6756	EPA6010
Zinc as Zn	mg/Kg	76		12/15/04	1.3513	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47734 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		12/14/04	1	EPA8260
Bromomethane	ug/L	< 1		12/14/04	1	EPA8260
Vinyl Chloride	ug/L	< 1		12/14/04	1	EPA8260
Chloroethane	ug/L	< 1		12/14/04	1	EPA8260
Methylene Chloride	ug/L	< 1		12/14/04	1	EPA8260
Acetone	ug/L	< 10		12/14/04	10	EPA8260
Carbon disulfide	ug/L	< 1		12/14/04	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		12/14/04	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		12/14/04	2	EPA8260
Chloroform	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		12/14/04	1	EPA8260
2-Butanone	ug/L	< 10		12/14/04	10	EPA8260
111 Trichloroethane	ug/L	< 1		12/14/04	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		12/14/04	1	EPA8260
Bromodichloromethane	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		12/14/04	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		12/14/04	1	EPA8260
Trichloroethene	ug/L	< 1		12/14/04	1	EPA8260
Chlorodibromomethane	ug/L	< 1		12/14/04	1	EPA8260
112 Trichloroethane	ug/L	< 1		12/14/04	1	EPA8260
Benzene	ug/L	< 1		12/14/04	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		12/14/04	1	EPA8260
Bromoform	ug/L	< 1		12/14/04	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		12/14/04	10	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47735 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		12/14/04	10	EPA8260
Tetrachloroethene	ug/L	< 1		12/14/04	1	EPA8260
Toluene	ug/L	< 1		12/14/04	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		12/14/04	1	EPA8260
Chlorobenzene	ug/L	< 1		12/14/04	1	EPA8260
Ethyl Benzene	ug/L	< 1		12/14/04	1	EPA8260
Styrene	ug/L	< 1		12/14/04	1	EPA8260
o Xylene	ug/L	< 1		12/14/04	1	EPA8260
m + p Xylene	ug/L	< 2		12/14/04	2	EPA8260
Xylene	ug/L	< 3		12/14/04	3	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 10		12/14/04	10	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 10		12/14/04	10	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 10		12/14/04	10	EPA8270
Carbazole	ug/L	< 10		12/14/04	10	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 10		12/14/04	10	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 10		12/14/04	10	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 10		12/14/04	10	EPA8270
Hexachloroethane	ug/L	< 10		12/14/04	10	EPA8270
Nitrobenzene	ug/L	< 10		12/14/04	10	EPA8270
Isophorone	ug/L	< 10		12/14/04	10	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 10		12/14/04	10	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 10		12/14/04	10	EPA8270
Naphthalene(sv)	ug/L	< 10		12/14/04	10	EPA8270
4-Chloroaniline	ug/L	< 10		12/14/04	10	EPA8270
Hexachlorobutadiene	ug/L	< 10		12/14/04	10	EPA8270
2-Methylnaphthalene	ug/L	< 10		12/14/04	10	EPA8270
Hexachlorocyclopentadiene	ug/L	< 100		12/14/04	100	EPA8270
2-Chloronaphthalene	ug/L	< 10		12/14/04	10	EPA8270
2-Nitroaniline	ug/L	< 10		12/14/04	10	EPA8270
Dimethyl Phthalate	ug/L	< 10		12/14/04	10	EPA8270
Acenaphthylene	ug/L	< 10		12/14/04	10	EPA8270
2,6-Dinitrotoluene	ug/L	< 10		12/14/04	10	EPA8270
3-Nitroaniline	ug/L	< 10		12/14/04	10	EPA8270
Acenaphthene	ug/L	< 10		12/14/04	10	EPA8270
Dibenzofuran	ug/L	< 10		12/14/04	10	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 10		12/14/04	10	EPA8270
Diethyl Phthalate	ug/L	< 10		12/14/04	10	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 10		12/14/04	10	EPA8270
Fluorene	ug/L	< 10		12/14/04	10	EPA8270
4-Nitroaniline	ug/L	< 10		12/14/04	10	EPA8270
N-Nitrosodiphenylamine	ug/L	< 10		12/14/04	10	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 10		12/14/04	10	EPA8270
Hexachlorobenzene	ug/L	< 10		12/14/04	10	EPA8270
Phenanthrene	ug/L	24		12/14/04	10	EPA8270
Anthracene	ug/L	10		12/14/04	10	EPA8270
Di-n-Butyl Phthalate	ug/L	< 10		12/14/04	10	EPA8270
Fluoranthene	ug/L	32		12/14/04	10	EPA8270
Pyrene	ug/L	36		12/14/04	10	EPA8270
BenzylButylPhthalate	ug/L	< 10		12/14/04	10	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 100		12/14/04	100	EPA8270
Benzo(a)anthracene	ug/L	34		12/14/04	10	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	32		12/14/04	10	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	<.10		12/14/04	10	EPA8270
Di-n-octyl Phthalate	ug/L	< 10		12/14/04	10	EPA8270
Benzo(b)fluoranthene	ug/L	32	#	12/14/04	10	EPA8270
Benzo(k)fluoranthene	ug/L	32	#	12/14/04	10	EPA8270
Benzo(a)pyrene	ug/L	50		12/14/04	10	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	16		12/14/04	10	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 10		12/14/04	10	EPA8270
Benzo(ghi)perylene	ug/L	18		12/14/04	10	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: #Total = 64 ug/L, unable to separate isomers.

DIRECTOR

rn = 47739 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 10		12/14/04	10	EPA8270
2-Chlorophenol	ug/L	< 10		12/14/04	10	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 10		12/14/04	10	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 10		12/14/04	10	EPA8270
2-Nitrophenol	ug/L	< 10		12/14/04	10	EPA8270
2,4-Dimethylphenol	ug/L	< 10		12/14/04	10	EPA8270
2,4-Dichlorophenol	ug/L	< 10		12/14/04	10	EPA8270
4-Chloro-3-methylphenol	ug/L	< 10		12/14/04	10	EPA8270
2,4,6-Trichlorophenol	ug/L	< 10		12/14/04	10	EPA8270
2,4,5-Trichlorophenol	ug/L	< 10		12/14/04	10	EPA8270
2,4-Dinitrophenol	ug/L	< 100		12/14/04	100	EPA8270
4-Nitrophenol	ug/L	< 100		12/14/04	100	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 100		12/14/04	100	EPA8270
Pentachlorophenol (ms)	ug/L	< 100		12/14/04	100	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47740 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	5.0		12/15/04	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.01		12/15/04	0.01	EPA200.7
Arsenic as As	mg/L	0.017		12/15/04	0.005	EPA200.7
Barium as Ba	mg/L	0.29		12/15/04	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		12/15/04	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Calcium as Ca	mg/L	87		12/15/04	0.2	EPA200.7
Chromium as Cr	mg/L	0.01		12/15/04	0.005	EPA200.7
Cobalt as Co	mg/L	0.006		12/15/04	0.005	EPA200.7
Copper as Cu	mg/L	0.07		12/15/04	0.01	EPA200.7
Iron as Fe	mg/L	14		12/15/04	0.01	EPA200.7
Lead as Pb	mg/L	0.14		12/15/04	0.005	EPA200.7
Magnesium as Mg	mg/L	130		12/17/04	0.05	EPA200.7
Manganese as Mn	mg/L	0.39		12/15/04	0.01	EPA200.7
Mercury as Hg	mg/L	0.0018		12/14/04	0.001	EPA245.2
Nickel as Ni	mg/L	0.01		12/15/04	0.01	EPA200.7
Potassium as K	mg/L	88		12/17/04	10	EPA200.7
Selenium as Se	mg/L	< 0.01		12/15/04	0.01	EPA200.9
Silver as Ag	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Sodium as Na	mg/L	880		12/17/04	10	EPA200.7
Thallium as Tl	mg/L	< 0.01		12/20/04	0.01	EPA200.9
Vanadium as V	mg/L	0.014		12/15/04	0.005	EPA200.7
Zinc as Zn	mg/L	0.23		12/15/04	0.01	EPA200.7

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47741 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Bromomethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Vinyl Chloride	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Chloroethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Methylene Chloride	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Acetone	ug/Kg	< 65		12/14/04	64.935	EPA8260
Carbon disulfide	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
1,2 Dichloroethene	ug/Kg	< 13		12/14/04	12.987	EPA8260
Chloroform	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
2-Butanone	ug/Kg	< 65		12/14/04	64.935	EPA8260
111 Trichloroethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Bromodichloromethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Trichloroethene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Chlorodibromomethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
112 Trichloroethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Benzene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
t-1,3Dichloropropene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Bromoform	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 65		12/14/04	64.935	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 65		12/14/04	64.935	EPA8260
Tetrachloroethene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Toluene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Chlorobenzene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Ethyl Benzene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Styrene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
o Xylene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
m + p Xylene	ug/Kg	< 13		12/14/04	12.987	EPA8260
Xylene	ug/Kg	< 19		12/14/04	19.480	EPA8260
% Solids		77		12/13/04	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47743 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 39		12/15/04	38.961	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 39		12/15/04	38.961	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 39		12/15/04	38.961	EPA8270
Carbazole	ug/Kg	< 39		12/15/04	38.961	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 39		12/15/04	38.961	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 39		12/15/04	38.961	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 39		12/15/04	38.961	EPA8270
Hexachloroethane	ug/Kg	< 39		12/15/04	38.961	EPA8270
Nitrobenzene	ug/Kg	< 39		12/15/04	38.961	EPA8270
Isophorone	ug/Kg	< 39		12/15/04	38.961	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 39		12/15/04	38.961	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 39		12/15/04	38.961	EPA8270
Naphthalene(sv)	ug/Kg	< 39		12/15/04	38.961	EPA8270
4-Chloroaniline	ug/Kg	< 39		12/15/04	38.961	EPA8270
Hexachlorobutadiene	ug/Kg	< 39		12/15/04	38.961	EPA8270
2-Methylnaphthalene	ug/Kg	< 39		12/15/04	38.961	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 390		12/15/04	389.61	EPA8270
2-Chloronaphthalene	ug/Kg	< 39		12/15/04	38.961	EPA8270
2-Nitroaniline	ug/Kg	< 39		12/15/04	38.961	EPA8270
Dimethyl Phthalate	ug/Kg	< 39		12/15/04	38.961	EPA8270
Acenaphthylene	ug/Kg	< 39		12/15/04	38.961	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 39		12/15/04	38.961	EPA8270
3-Nitroaniline	ug/Kg	< 39		12/15/04	38.961	EPA8270
Acenaphthene	ug/Kg	< 39		12/15/04	38.961	EPA8270
Dibenzofuran	ug/Kg	< 39		12/15/04	38.961	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 39		12/15/04	38.961	EPA8270
Diethyl Phthalate	ug/Kg	< 39		12/15/04	38.961	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 39		12/15/04	38.961	EPA8270
Fluorene	ug/Kg	< 39		12/15/04	38.961	EPA8270
4-Nitroaniline	ug/Kg	< 39		12/15/04	38.961	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 39		12/15/04	38.961	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 39		12/15/04	38.961	EPA8270
Hexachlorobenzene	ug/Kg	< 39		12/15/04	38.961	EPA8270
Phenanthrene	ug/Kg	92		12/15/04	38.961	EPA8270
Anthracene	ug/Kg	42		12/15/04	38.961	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 39		12/15/04	38.961	EPA8270
Fluoranthene	ug/Kg	130		12/15/04	38.961	EPA8270
Pyrene	ug/Kg	320	$	12/15/04	38.961	EPA8270
BenzylButylPhthalate	ug/Kg	< 39	$	12/15/04	38.961	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 390	@	12/15/04	389.61	EPA8270
Benzo(a)anthracene	ug/Kg	160	$	12/15/04	38.961	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: $,@Estimated due to low internal standard, $43% & @16%. Low recovery due to interference. QC limit is 50%

DIRECTOR

rn = 47745 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	140	$	12/15/04	38.961	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 39	$	12/15/04	38.961	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 39	@	12/15/04	38.961	EPA8270
Benzo(b)fluoranthene	ug/Kg	140	@#	12/15/04	38.961	EPA8270
Benzo(k)fluoranthene	ug/Kg	140	@#	12/15/04	38.961	EPA8270
Benzo(a)pyrene	ug/Kg	160	@	12/15/04	38.961	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	130	@	12/15/04	38.961	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	51	@	12/15/04	38.961	EPA8270
Benzo(ghi)perylene	ug/Kg	180	@	12/15/04	38.961	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: $,@Estimated due to low internal standard, $43% & @16%. Low recovery due to interference. QC limit is 50%
#Total = 280 ug/Kg, unable to separate isomers.

DIRECTOR

rn = 47746 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
henol	ug/Kg	< 39		12/15/04	38.961	EPA8270
-Chlorophenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 39		12/15/04	38.961	EPA8270
-Methylphenol (p-cresol)	ug/Kg	270	*	12/15/04	38.961	EPA8270
-Nitrophenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
2,4-Dimethylphenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
2,4-Dichlorophenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
-Chloro-3-methylphenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
,4-Dinitrophenol	ug/Kg	< 390		12/15/04	389.61	EPA8270
-Nitrophenol	ug/Kg	< 390		12/15/04	389.61	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 390		12/15/04	389.61	EPA8270
entachlorophenol (ms)	ug/Kg	< 390		12/15/04	389.61	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: *Total = 3 & 4 methylphenol, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6400		12/15/04	1.2987	EPA6010
Antimony as Sb	mg/Kg	< 1.3		12/15/04	1.2987	EPA6010
Arsenic as As	mg/Kg	10		12/15/04	1.2987	EPA6010
Barium as Ba	mg/Kg	120		12/15/04	0.6493	EPA6010
Beryllium as Be	mg/Kg	0.42		12/15/04	0.1298	EPA6010
Cadmium as Cd	mg/Kg	0.92		12/15/04	0.6493	EPA6010
Calcium as Ca	mg/Kg	11000		12/15/04	25.974	EPA6010
Chromium as Cr	mg/Kg	13		12/15/04	0.6493	EPA6010
Cobalt as Co	mg/Kg	6.8		12/15/04	0.6493	EPA6010
Copper as Cu	mg/Kg	25		12/15/04	1.2987	EPA6010
Iron as Fe	mg/Kg	14000		12/15/04	1.2987	EPA6010
Lead as Pb	mg/Kg	250		12/15/04	0.6493	EPA6010
Magnesium as Mg	mg/Kg	2500		12/15/04	0.6493	EPA6010
Manganese as Mn	mg/Kg	290		12/15/04	1.2987	EPA6010
Mercury as Hg	mg/Kg	0.17		12/21/04	0.0064	EPA7470A
Nickel as Ni	mg/Kg	16		12/15/04	1.2987	EPA6010
Potassium as K	mg/Kg	1100		12/15/04	129.87	EPA6010
Selenium as Se	mg/Kg	0.55		12/17/04	0.5194	EPA7740
Silver as Ag	mg/Kg	< 0.65		12/15/04	0.6493	EPA6010
Sodium as Na	mg/Kg	520		12/15/04	129.87	EPA6010
Thallium as Tl	mg/Kg	< 1.3		12/21/04	1.2987	EPA7841
Vanadium as V	mg/Kg	18		12/15/04	0.6493	EPA6010
Zinc as Zn	mg/Kg	84		12/15/04	1.2987	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.09 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1450
MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Bromomethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Vinyl Chloride	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Chloroethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Methylene Chloride	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Acetone	ug/Kg	< 63		12/14/04	62.5	EPA8260
Carbon disulfide	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
1,2 Dichloroethene	ug/Kg	< 13		12/14/04	12.5	EPA8260
Chloroform	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
2-Butanone	ug/Kg	< 63		12/14/04	62.5	EPA8260
111 Trichloroethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Bromodichloromethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Trichloroethene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Chlorodibromomethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
112 Trichloroethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Benzene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
t-1,3Dichloropropene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Bromoform	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 63		12/14/04	62.5	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.09 12/22/04

Roux Associates, Incorporated
109 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1450
MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 63		12/14/04	62.5	EPA8260
Tetrachloroethene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Toluene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Chlorobenzene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Ethyl Benzene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Styrene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
o Xylene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
m + p Xylene	ug/Kg	< 13		12/14/04	12.5	EPA8260
Xylene	ug/Kg	< 19		12/14/04	18.75	EPA8260
% Solids		80		12/13/04	0.1	SM182540G

cc:

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COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1450
MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 190		12/15/04	187.5	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 190		12/15/04	187.5	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 190		12/15/04	187.5	EPA8270
Carbazole	ug/Kg	< 190		12/15/04	187.5	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 190		12/15/04	187.5	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 190		12/15/04	187.5	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 190		12/15/04	187.5	EPA8270
Hexachloroethane	ug/Kg	< 190		12/15/04	187.5	EPA8270
Nitrobenzene	ug/Kg	< 190		12/15/04	187.5	EPA8270
Isophorone	ug/Kg	< 190		12/15/04	187.5	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 190		12/15/04	187.5	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 190		12/15/04	187.5	EPA8270
Naphthalene(sv)	ug/Kg	< 190		12/15/04	187.5	EPA8270
4-Chloroaniline	ug/Kg	< 190		12/15/04	187.5	EPA8270
Hexachlorobutadiene	ug/Kg	< 190		12/15/04	187.5	EPA8270
2-Methylnaphthalene	ug/Kg	< 190		12/15/04	187.5	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 1900		12/15/04	1875	EPA8270
2-Chloronaphthalene	ug/Kg	< 190		12/15/04	187.5	EPA8270
2-Nitroaniline	ug/Kg	< 190		12/15/04	187.5	EPA8270
Dimethyl Phthalate	ug/Kg	< 190		12/15/04	187.5	EPA8270
Acenaphthylene	ug/Kg	< 190		12/15/04	187.5	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 190		12/15/04	187.5	EPA8270
3-Nitroaniline	ug/Kg	< 190		12/15/04	187.5	EPA8270
Acenaphthene	ug/Kg	< 190		12/15/04	187.5	EPA8270
Dibenzofuran	ug/Kg	< 190		12/15/04	187.5	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

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EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.09 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1450
MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 190		12/15/04	187.5	EPA8270
Diethyl Phthalate	ug/Kg	< 190		12/15/04	187.5	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 190		12/15/04	187.5	EPA8270
Fluorene	ug/Kg	< 190		12/15/04	187.5	EPA8270
4-Nitroaniline	ug/Kg	< 190		12/15/04	187.5	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 190		12/15/04	187.5	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 190		12/15/04	187.5	EPA8270
Hexachlorobenzene	ug/Kg	< 190		12/15/04	187.5	EPA8270
Phenanthrene	ug/Kg	440		12/15/04	187.5	EPA8270
Anthracene	ug/Kg	< 190		12/15/04	187.5	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 190		12/15/04	187.5	EPA8270
Fluoranthene	ug/Kg	680		12/15/04	187.5	EPA8270
Pyrene	ug/Kg	590		12/15/04	187.5	EPA8270
BenzylButylPhthalate	ug/Kg	< 190		12/15/04	187.5	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 1900		12/15/04	1875	EPA8270
Benzo(a)anthracene	ug/Kg	680		12/15/04	187.5	EPA8270

cc:

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MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
hrysene	ug/Kg	590		12/15/04	187.5	EPA8270
bis(2-ethylhexyl)phthalate	ug/Kg	< 190		12/15/04	187.5	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 190		12/15/04	187.5	EPA8270
enzo(b)fluoranthene	ug/Kg	740	#	12/15/04	187.5	EPA8270
enzo(k)fluoranthene	ug/Kg	740	#	12/15/04	187.5	EPA8270
Benzo(a)pyrene	ug/Kg	1100		12/15/04	187.5	EPA8270
ndeno(1,2,3-cd)pyrene	ug/Kg	560		12/15/04	187.5	EPA8270
ibenzo(a,h)anthracene	ug/Kg	190		12/15/04	187.5	EPA8270
Benzo(ghi)perylene	ug/Kg	530		12/15/04	187.5	EPA8270

cc:

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REMARKS: #Total = 1480 ug/Kg, unable to separate isomers.

DIRECTOR

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MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2-Chlorophenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 190		12/15/04	187.5	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 190		12/15/04	187.5	EPA8270
2-Nitrophenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2,4-Dimethylphenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2,4-Dichlorophenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2,4-Dinitrophenol	ug/Kg	< 1900		12/15/04	1875	EPA8270
4-Nitrophenol	ug/Kg	< 1900		12/15/04	1875	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 1900		12/15/04	1875	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 1900		12/15/04	1875	EPA8270

cc:

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TIME COL'D:1450
MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6800		12/15/04	1.25	EPA6010
Antimony as Sb	mg/Kg	< 1.3		12/15/04	1.25	EPA6010
Arsenic as As	mg/Kg	8.3		12/15/04	1.25	EPA6010
Barium as Ba	mg/Kg	120		12/15/04	0.625	EPA6010
Beryllium as Be	mg/Kg	0.39		12/15/04	0.125	EPA6010
Cadmium as Cd	mg/Kg	0.88		12/15/04	0.625	EPA6010
Calcium as Ca	mg/Kg	6400		12/15/04	25	EPA6010
Chromium as Cr	mg/Kg	12		12/15/04	0.625	EPA6010
Cobalt as Co	mg/Kg	5.6		12/15/04	0.625	EPA6010
Copper as Cu	mg/Kg	29		12/15/04	1.25	EPA6010
Iron as Fe	mg/Kg	12000		12/15/04	1.25	EPA6010
Lead as Pb	mg/Kg	150		12/15/04	0.625	EPA6010
Magnesium as Mg	mg/Kg	2400		12/15/04	0.625	EPA6010
Manganese as Mn	mg/Kg	200		12/15/04	1.25	EPA6010
Mercury as Hg	mg/Kg	0.29		12/21/04	0.0125	EPA7470A
Nickel as Ni	mg/Kg	14		12/15/04	1.25	EPA6010
Potassium as K	mg/Kg	980		12/15/04	125	EPA6010
Selenium as Se	mg/Kg	< 0.5		12/17/04	0.5	EPA7740
Silver as Ag	mg/Kg	1.3		12/15/04	0.625	EPA6010
Sodium as Na	mg/Kg	240		12/15/04	125	EPA6010
Thallium as Tl	mg/Kg	< 0.5		12/20/04	0.5	EPA7841
Vanadium as V	mg/Kg	18		12/15/04	0.625	EPA6010
Zinc as Zn	mg/Kg	140		12/15/04	1.25	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47755 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.10 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		12/22/04	1	EPA8260
Bromomethane	ug/L	< 1		12/22/04	1	EPA8260
Vinyl Chloride	ug/L	< 1		12/22/04	1	EPA8260
Chloroethane	ug/L	< 1		12/22/04	1	EPA8260
Methylene Chloride	ug/L	30		12/22/04	1	EPA8260
Acetone	ug/L	< 10		12/22/04	10	EPA8260
Carbon disulfide	ug/L	< 1		12/22/04	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		12/22/04	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		12/22/04	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		12/22/04	2	EPA8260
Chloroform	ug/L	< 1		12/22/04	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		12/22/04	1	EPA8260
2-Butanone	ug/L	< 10		12/22/04	10	EPA8260
111 Trichloroethane	ug/L	< 1		12/22/04	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		12/22/04	1	EPA8260
Bromodichloromethane	ug/L	< 1		12/22/04	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		12/22/04	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		12/22/04	1	EPA8260
Trichloroethene	ug/L	< 1		12/22/04	1	EPA8260
Chlorodibromomethane	ug/L	< 1		12/22/04	1	EPA8260
112 Trichloroethane	ug/L	< 1		12/22/04	1	EPA8260
Benzene	ug/L	< 1		12/22/04	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		12/22/04	1	EPA8260
Bromoform	ug/L	< 1		12/22/04	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		12/22/04	10	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
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LAB NO.245249.10 12/22/04

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ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		12/22/04	10	EPA8260
Tetrachloroethene	ug/L	< 1		12/22/04	1	EPA8260
Toluene	ug/L	< 1		12/22/04	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		12/22/04	1	EPA8260
Chlorobenzene	ug/L	< 1		12/22/04	1	EPA8260
Ethyl Benzene	ug/L	< 1		12/22/04	1	EPA8260
Styrene	ug/L	< 1		12/22/04	1	EPA8260
o Xylene	ug/L	< 1		12/22/04	1	EPA8260
m + p Xylene	ug/L	< 2		12/22/04	2	EPA8260
Xylene	ug/L	< 3		12/22/04	3	EPA8260

cc:

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COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		12/14/04	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
Carbazole	ug/L	< 1		12/14/04	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		12/14/04	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		12/14/04	1	EPA8270
Hexachloroethane	ug/L	< 1		12/14/04	1	EPA8270
Nitrobenzene	ug/L	< 1		12/14/04	1	EPA8270
Isophorone	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		12/14/04	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		12/14/04	1	EPA8270
Naphthalene(sv)	ug/L	< 1		12/14/04	1	EPA8270
4-Chloroaniline	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		12/14/04	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		12/14/04	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		12/14/04	1	EPA8270
2-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Acenaphthylene	ug/L	< 1		12/14/04	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		12/14/04	1	EPA8270
3-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
Acenaphthene	ug/L	< 1		12/14/04	1	EPA8270
Dibenzofuran	ug/L	< 1		12/14/04	1	EPA8270

cc:

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REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.10 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		12/14/04	1	EPA8270
Diethyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		12/14/04	1	EPA8270
Fluorene	ug/L	< 1		12/14/04	1	EPA8270
4-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		12/14/04	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorobenzene	ug/L	< 1		12/14/04	1	EPA8270
Phenanthrene	ug/L	< 1		12/14/04	1	EPA8270
Anthracene	ug/L	< 1		12/14/04	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Fluoranthene	ug/L	< 1		12/14/04	1	EPA8270
Pyrene	ug/L	< 1		12/14/04	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		12/14/04	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		12/14/04	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		12/14/04	1	EPA8270

cc:

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REMARKS:

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ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	< 1		12/14/04	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		12/14/04	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		12/14/04	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		12/14/04	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		12/14/04	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		12/14/04	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.10 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		12/14/04	1	EPA8270
2-Chlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		12/14/04	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		12/14/04	1	EPA8270
2-Nitrophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		12/14/04	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		12/14/04	10	EPA8270
4-Nitrophenol	ug/L	< 10		12/14/04	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		12/14/04	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		12/14/04	10	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.10 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	13		12/15/04	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.01		12/15/04	0.01	EPA200.7
Arsenic as As	mg/L	0.046		12/15/04	0.005	EPA200.7
Barium as Ba	mg/L	1.0		12/15/04	0.005	EPA200.7
Beryllium as Be	mg/L	0.001		12/15/04	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Calcium as Ca	mg/L	68		12/15/04	0.2	EPA200.7
Chromium as Cr	mg/L	0.034		12/15/04	0.005	EPA200.7
Cobalt as Co	mg/L	0.013		12/15/04	0.005	EPA200.7
Copper as Cu	mg/L	0.11		12/15/04	0.01	EPA200.7
Iron as Fe	mg/L	18		12/15/04	0.01	EPA200.7
Lead as Pb	mg/L	5.1		12/15/04	0.005	EPA200.7
Magnesium as Mg	mg/L	60		12/15/04	0.005	EPA200.7
Manganese as Mn	mg/L	0.32		12/15/04	0.01	EPA200.7
Mercury as Hg	mg/L	0.017		12/14/04	0.001	EPA245.2
Nickel as Ni	mg/L	0.03		12/15/04	0.01	EPA200.7
Potassium as K	mg/L	47		12/17/04	10	EPA200.7
Selenium as Se	mg/L	< 0.01		12/15/04	0.01	EPA200.9
Silver as Ag	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Sodium as Na	mg/L	430		12/17/04	10	EPA200.7
Thallium as Tl	mg/L	< 0.01		12/20/04	0.01	EPA200.9
Vanadium as V	mg/L	0.057		12/15/04	0.005	EPA200.7
Zinc as Zn	mg/L	0.35		12/15/04	0.01	EPA200.7

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.11 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1050
MATRIX:Soil SAMPLE: SB-7/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 64		12/14/04	64.102	EPA8260
Tetrachloroethene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Toluene	ug/Kg	12		12/14/04	6.4102	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Chlorobenzene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Ethyl Benzene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Styrene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
o Xylene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
m + p Xylene	ug/Kg	< 13		12/14/04	12.820	EPA8260
Xylene	ug/Kg	< 19		12/14/04	19.230	EPA8260
% Solids		78		12/13/04	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47764 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.11 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1050
MATRIX:Soil SAMPLE: SB-7/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Carbazole	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachloroethane	ug/Kg	< 38		12/15/04	38.461	EPA8270
Nitrobenzene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Isophorone	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 38		12/15/04	38.461	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Naphthalene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chloroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorobutadiene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Methylnaphthalene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 380		12/15/04	384.61	EPA8270
2-Chloronaphthalene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dimethyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Acenaphthylene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 38		12/15/04	38.461	EPA8270
3-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Acenaphthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dibenzofuran	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.11 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1050
MATRIX:Soil SAMPLE: SB-7/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Diethyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
Fluorene	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorobenzene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Phenanthrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Fluoranthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Pyrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
BenzylButylPhthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 380		12/15/04	384.61	EPA8270
Benzo(a)anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47766 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.11 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1050
MATRIX:Soil SAMPLE: SB-7/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(a)pyrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(ghi)perylene	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.11 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1050
MATRIX:Soil SAMPLE: SB-7/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Chlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Nitrophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dimethylphenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dinitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
4-Nitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 380		12/15/04	384.61	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47768 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.11 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1050
MATRIX:Soil SAMPLE: SB-7/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	9600		12/15/04	1.2820	EPA6010
Antimony as Sb	mg/Kg	< 1.3		12/15/04	1.2820	EPA6010
Arsenic as As	mg/Kg	5.9		12/15/04	1.2820	EPA6010
Barium as Ba	mg/Kg	210		12/17/04	3.2051	EPA6010
Beryllium as Be	mg/Kg	0.32		12/15/04	0.1282	EPA6010
Cadmium as Cd	mg/Kg	0.94		12/15/04	0.6410	EPA6010
Calcium as Ca	mg/Kg	2600		12/15/04	25.641	EPA6010
Chromium as Cr	mg/Kg	19		12/15/04	0.6410	EPA6010
Cobalt as Co	mg/Kg	9.1		12/15/04	0.6410	EPA6010
Copper as Cu	mg/Kg	28		12/15/04	1.2820	EPA6010
Iron as Fe	mg/Kg	15000		12/15/04	1.2820	EPA6010
Lead as Pb	mg/Kg	120		12/15/04	0.6410	EPA6010
Magnesium as Mg	mg/Kg	4700		12/15/04	0.6410	EPA6010
Manganese as Mn	mg/Kg	310		12/15/04	1.2820	EPA6010
Mercury as Hg	mg/Kg	0.17		12/21/04	0.0064	EPA7470A
Nickel as Ni	mg/Kg	15		12/15/04	1.2820	EPA6010
Potassium as K	mg/Kg	4200		12/17/04	641.02	EPA6010
Selenium as Se	mg/Kg	< 0.51		12/17/04	0.5128	EPA7740
Silver as Ag	mg/Kg	< 0.64		12/15/04	0.6410	EPA6010
Sodium as Na	mg/Kg	820		12/15/04	128.20	EPA6010
Thallium as Tl	mg/Kg	< 6.4		12/15/04	6.4102	EPA6010
Vanadium as V	mg/Kg	28		12/15/04	0.6410	EPA6010
Zinc as Zn	mg/Kg	62		12/15/04	1.2820	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47769 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Bromomethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Vinyl Chloride	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Chloroethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Methylene Chloride	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Acetone	ug/Kg	< 14000		12/17/04	13888.	EPA8260
Carbon disulfide	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
1,1 Dichloroethene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
1,1 Dichloroethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
1,2 Dichloroethene	ug/Kg	< 2800		12/17/04	2777.7	EPA8260
Chloroform	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
1,2 Dichloroethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
2-Butanone	ug/Kg	< 14000		12/17/04	13888.	EPA8260
111 Trichloroethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Carbon Tetrachloride	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Bromodichloromethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
1,2 Dichloropropane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
c-1,3Dichloropropene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Trichloroethene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Chlorodibromomethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
112 Trichloroethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Benzene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
t-1,3Dichloropropene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Bromoform	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 14000		12/17/04	13888.	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47770 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 14000		12/17/04	13888.	EPA8260
Tetrachloroethene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Toluene	ug/Kg	1800		12/17/04	1388.8	EPA8260
1122Tetrachloroethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Chlorobenzene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Ethyl Benzene	ug/Kg	1700		12/17/04	1388.8	EPA8260
Styrene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
o Xylene	ug/Kg	1500		12/17/04	1388.8	EPA8260
m + p Xylene	ug/Kg	3800		12/17/04	2777.7	EPA8260
Xylene	ug/Kg	5300		12/17/04	4166.6	EPA8260
% Solids		72		12/13/04	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS: Elevated detection level due to method analyte interference in sample.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 210		12/16/04	208.33	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 210		12/16/04	208.33	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 210		12/16/04	208.33	EPA8270
Carbazole	ug/Kg	3800		12/15/04	416.66	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 210		12/16/04	208.33	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 210		12/16/04	208.33	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 210		12/16/04	208.33	EPA8270
Hexachloroethane	ug/Kg	< 210		12/16/04	208.33	EPA8270
Nitrobenzene	ug/Kg	< 210		12/16/04	208.33	EPA8270
Isophorone	ug/Kg	< 210		12/16/04	208.33	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 210		12/16/04	208.33	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 210		12/16/04	208.33	EPA8270
Naphthalene(sv)	ug/Kg	18000		12/15/04	416.66	EPA8270
4-Chloroaniline	ug/Kg	< 210		12/16/04	208.33	EPA8270
Hexachlorobutadiene	ug/Kg	< 210		12/16/04	208.33	EPA8270
2-Methylnaphthalene	ug/Kg	11000		12/15/04	416.66	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 2100		12/16/04	2083.3	EPA8270
2-Chloronaphthalene	ug/Kg	< 210		12/16/04	208.33	EPA8270
2-Nitroaniline	ug/Kg	< 210		12/16/04	208.33	EPA8270
Dimethyl Phthalate	ug/Kg	< 210		12/16/04	208.33	EPA8270
Acenaphthylene	ug/Kg	2400		12/16/04	208.33	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 210		12/16/04	208.33	EPA8270
3-Nitroaniline	ug/Kg	< 210		12/16/04	208.33	EPA8270
Acenaphthene	ug/Kg	8100		12/15/04	416.66	EPA8270
Dibenzofuran	ug/Kg	6300		12/15/04	416.66	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 210		12/16/04	208.33	EPA8270
Diethyl Phthalate	ug/Kg	< 210		12/16/04	208.33	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 210		12/16/04	208.33	EPA8270
Fluorene	ug/Kg	9300		12/15/04	416.66	EPA8270
4-Nitroaniline	ug/Kg	< 210		12/16/04	208.33	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 210		12/16/04	208.33	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 210		12/16/04	208.33	EPA8270
Hexachlorobenzene	ug/Kg	< 210		12/16/04	208.33	EPA8270
Phenanthrene	ug/Kg	17000		12/15/04	416.66	EPA8270
Anthracene	ug/Kg	8300		12/15/04	416.66	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 210		12/16/04	208.33	EPA8270
Fluoranthene	ug/Kg	12000		12/15/04	416.66	EPA8270
Pyrene	ug/Kg	13000		12/15/04	416.66	EPA8270
BenzylButylPhthalate	ug/Kg	< 210		12/16/04	208.33	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 4200	$	12/15/04	4166.6	EPA8270
Benzo(a)anthracene	ug/Kg	7200		12/15/04	416.66	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: $Estimated due to low internal standard, $46%. Low recovery due to interference. QC limit is 50%.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

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ATTN: William Holubowich PO#:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	6300		12/15/04	416.66	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 210		12/16/04	208.33	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 420	$	12/15/04	416.66	EPA8270
Benzo(b)fluoranthene	ug/Kg	6000	$#	12/15/04	416.66	EPA8270
Benzo(k)fluoranthene	ug/Kg	6000	$#	12/15/04	416.66	EPA8270
Benzo(a)pyrene	ug/Kg	7400	$	12/15/04	416.66	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	2100	$	12/15/04	416.66	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	740	$	12/15/04	416.66	EPA8270
Benzo(ghi)perylene	ug/Kg	2500	$	12/15/04	416.66	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: $Estimated due to low internal standard, $46%. Low recovery due to interference. QC limit is 50%.
#Total = 12000 ug/Kg, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

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Roux Associates, Incorporated
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Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	530		12/16/04	208.33	EPA8270
2-Chlorophenol	ug/Kg	< 210		12/16/04	208.33	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	460		12/16/04	208.33	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	1600	*	12/16/04	208.33	EPA8270
2-Nitrophenol	ug/Kg	< 210		12/16/04	208.33	EPA8270
2,4-Dimethylphenol	ug/Kg	1000		12/16/04	208.33	EPA8270
2,4-Dichlorophenol	ug/Kg	< 210		12/16/04	208.33	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 210		12/16/04	208.33	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 210		12/16/04	208.33	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 210		12/16/04	208.33	EPA8270
2,4-Dinitrophenol	ug/Kg	< 2100		12/16/04	2083.3	EPA8270
4-Nitrophenol	ug/Kg	< 2100		12/16/04	2083.3	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 2100		12/16/04	2083.3	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 2100		12/16/04	2083.3	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: *Total of 3 & 4 methylphenol, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6000		12/15/04	1.3888	EPA6010
Antimony as Sb	mg/Kg	< 1.4		12/15/04	1.3888	EPA6010
Arsenic as As	mg/Kg	11		12/15/04	1.3888	EPA6010
Barium as Ba	mg/Kg	290		12/17/04	3.4722	EPA6010
Beryllium as Be	mg/Kg	0.57		12/15/04	0.1388	EPA6010
Cadmium as Cd	mg/Kg	0.89		12/15/04	0.6944	EPA6010
Calcium as Ca	mg/Kg	9700		12/15/04	27.777	EPA6010
Chromium as Cr	mg/Kg	12		12/15/04	0.6944	EPA6010
Cobalt as Co	mg/Kg	6.8		12/15/04	0.6944	EPA6010
Copper as Cu	mg/Kg	33		12/15/04	1.3888	EPA6010
Iron as Fe	mg/Kg	12000		12/15/04	1.3888	EPA6010
Lead as Pb	mg/Kg	280		12/15/04	0.6944	EPA6010
Magnesium as Mg	mg/Kg	2400		12/15/04	0.6944	EPA6010
Manganese as Mn	mg/Kg	240		12/15/04	1.3888	EPA6010
Mercury as Hg	mg/Kg	0.49		12/21/04	0.0277	EPA7470A
Nickel as Ni	mg/Kg	14		12/15/04	1.3888	EPA6010
Potassium as K	mg/Kg	1100		12/15/04	138.88	EPA6010
Selenium as Se	mg/Kg	1.1		12/17/04	0.5555	EPA7740
Silver as Ag	mg/Kg	< 0.69		12/15/04	0.6944	EPA6010
Sodium as Na	mg/Kg	1100		12/15/04	138.88	EPA6010
Thallium as Tl	mg/Kg			12/15/04	1.3888	EPA6010
Vanadium as V	mg/Kg	18		12/15/04	0.6944	EPA6010
Zinc as Zn	mg/Kg	140		12/15/04	1.3888	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR_____

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6000		12/15/04	1.3888	EPA6010
Antimony as Sb	mg/Kg	< 1.4		12/15/04	1.3888	EPA6010
Arsenic as As	mg/Kg	11		12/15/04	1.3888	EPA6010
Barium as Ba	mg/Kg	290		12/17/04	3.4722	EPA6010
Beryllium as Be	mg/Kg	0.57		12/15/04	0.1388	EPA6010
Cadmium as Cd	mg/Kg	0.89		12/15/04	0.6944	EPA6010
Calcium as Ca	mg/Kg	9700		12/15/04	27.777	EPA6010
Chromium as Cr	mg/Kg	12		12/15/04	0.6944	EPA6010
Cobalt as Co	mg/Kg	6.8		12/15/04	0.6944	EPA6010
Copper as Cu	mg/Kg	33		12/15/04	1.3888	EPA6010
Iron as Fe	mg/Kg	12000		12/15/04	1.3888	EPA6010
Lead as Pb	mg/Kg	280		12/15/04	0.6944	EPA6010
Magnesium as Mg	mg/Kg	2400		12/15/04	0.6944	EPA6010
Manganese as Mn	mg/Kg	240		12/15/04	1.3888	EPA6010
Mercury as Hg	mg/Kg	0.49		12/21/04	0.0277	EPA7470A
Nickel as Ni	mg/Kg	14		12/15/04	1.3888	EPA6010
Potassium as K	mg/Kg	1100		12/15/04	138.88	EPA6010
Selenium as Se	mg/Kg	1.1		12/17/04	0.5555	EPA7740
Silver as Ag	mg/Kg	< 0.69		12/15/04	0.6944	EPA6010
Sodium as Na	mg/Kg	1100		12/15/04	138.88	EPA6010
Thallium as Tl	mg/Kg	< 1.4		12/22/04	1.3888	EPA7841
Vanadium as V	mg/Kg	18		12/15/04	0.6944	EPA6010
Zinc as Zn	mg/Kg	140		12/15/04	1.3888	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.13 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		12/14/04	1	EPA8260
Bromomethane	ug/L	< 1		12/14/04	1	EPA8260
Vinyl Chloride	ug/L	< 1		12/14/04	1	EPA8260
Chloroethane	ug/L	< 1		12/14/04	1	EPA8260
Methylene Chloride	ug/L	< 1		12/14/04	1	EPA8260
Acetone	ug/L	< 10		12/14/04	10	EPA8260
Carbon disulfide	ug/L	< 1		12/14/04	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		12/14/04	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		12/14/04	2	EPA8260
Chloroform	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		12/14/04	1	EPA8260
2-Butanone	ug/L	< 10		12/14/04	10	EPA8260
111 Trichloroethane	ug/L	< 1		12/14/04	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		12/14/04	1	EPA8260
Bromodichloromethane	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		12/14/04	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		12/14/04	1	EPA8260
Trichloroethene	ug/L	< 1		12/14/04	1	EPA8260
Chlorodibromomethane	ug/L	< 1		12/14/04	1	EPA8260
112 Trichloroethane	ug/L	< 1		12/14/04	1	EPA8260
Benzene	ug/L	< 1		12/14/04	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		12/14/04	1	EPA8260
Bromoform	ug/L	< 1		12/14/04	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		12/14/04	10	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47777 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.13 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		12/14/04	10	EPA8260
Tetrachloroethene	ug/L	< 1		12/14/04	1	EPA8260
Toluene	ug/L	< 1		12/14/04	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		12/14/04	1	EPA8260
Chlorobenzene	ug/L	< 1		12/14/04	1	EPA8260
Ethyl Benzene	ug/L	< 1		12/14/04	1	EPA8260
Styrene	ug/L	< 1		12/14/04	1	EPA8260
o Xylene	ug/L	< 1		12/14/04	1	EPA8260
m + p Xylene	ug/L	< 2		12/14/04	2	EPA8260
Xylene	ug/L	< 3		12/14/04	3	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47778 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.13 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		12/14/04	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
Carbazole	ug/L	< 1		12/14/04	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		12/14/04	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		12/14/04	1	EPA8270
Hexachloroethane	ug/L	< 1		12/14/04	1	EPA8270
Nitrobenzene	ug/L	< 1		12/14/04	1	EPA8270
Isophorone	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		12/14/04	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		12/14/04	1	EPA8270
Naphthalene(sv)	ug/L	< 1		12/14/04	1	EPA8270
4-Chloroaniline	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		12/14/04	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		12/14/04	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		12/14/04	1	EPA8270
2-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Acenaphthylene	ug/L	< 1		12/14/04	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		12/14/04	1	EPA8270
3-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
Acenaphthene	ug/L	< 1		12/14/04	1	EPA8270
Dibenzofuran	ug/L	< 1		12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.13 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		12/14/04	1	EPA8270
Diethyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		12/14/04	1	EPA8270
Fluorene	ug/L	< 1		12/14/04	1	EPA8270
4-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		12/14/04	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorobenzene	ug/L	< 1		12/14/04	1	EPA8270
Phenanthrene	ug/L	< 1		12/14/04	1	EPA8270
Anthracene	ug/L	< 1		12/14/04	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Fluoranthene	ug/L	< 1		12/14/04	1	EPA8270
Pyrene	ug/L	< 1		12/14/04	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		12/14/04	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		12/14/04	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.13 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	< 1		12/14/04	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		12/14/04	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		12/14/04	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		12/14/04	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		12/14/04	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		12/14/04	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

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EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.13 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		12/14/04	1	EPA8270
2-Chlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		12/14/04	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		12/14/04	1	EPA8270
2-Nitrophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		12/14/04	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		12/14/04	10	EPA8270
4-Nitrophenol	ug/L	< 10		12/14/04	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		12/14/04	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		12/14/04	10	EPA8270

cc:

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631 422-5777

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ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	2.0		12/15/04	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.01		12/15/04	0.01	EPA200.7
Arsenic as As	mg/L	0.018		12/15/04	0.005	EPA200.7
Barium as Ba	mg/L	0.85		12/15/04	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		12/15/04	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Calcium as Ca	mg/L	81		12/15/04	0.2	EPA200.7
Chromium as Cr	mg/L	0.006		12/15/04	0.005	EPA200.7
Cobalt as Co	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Copper as Cu	mg/L	0.01		12/15/04	0.01	EPA200.7
Iron as Fe	mg/L	2.5		12/15/04	0.01	EPA200.7
Lead as Pb	mg/L	0.07		12/15/04	0.005	EPA200.7
Magnesium as Mg	mg/L	79		12/15/04	0.005	EPA200.7
Manganese as Mn	mg/L	0.23		12/15/04	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.001		12/14/04	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.01		12/15/04	0.01	EPA200.7
Potassium as K	mg/L	57		12/17/04	10	EPA200.7
Selenium as Se	mg/L	< 0.01		12/15/04	0.01	EPA200.9
Silver as Ag	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Sodium as Na	mg/L	520		12/17/04	10	EPA200.7
Thallium as Tl	mg/L	< 0.01		12/20/04	0.01	EPA200.9
Vanadium as V	mg/L	0.009		12/15/04	0.005	EPA200.7
Zinc as Zn	mg/L	0.2		12/15/04	0.01	EPA200.7

cc:

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REMARKS:

DIRECTOR

rn = 47783 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.14 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Bromomethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Vinyl Chloride	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Chloroethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Methylene Chloride	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Acetone	ug/Kg	59		12/14/04	54.945	EPA8260
Carbon disulfide	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
1,2 Dichloroethene	ug/Kg	< 11		12/14/04	10.989	EPA8260
Chloroform	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
2-Butanone	ug/Kg	< 55		12/14/04	54.945	EPA8260
111 Trichloroethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Bromodichloromethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Trichloroethene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Chlorodibromomethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
112 Trichloroethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Benzene	ug/Kg	13		12/14/04	5.4945	EPA8260
t-1,3Dichloropropene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Bromoform	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 55		12/14/04	54.945	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.14 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 55		12/14/04	54.945	EPA8260
Tetrachloroethene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Toluene	ug/Kg	110		12/14/04	5.4945	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Chlorobenzene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Ethyl Benzene	ug/Kg	5.5		12/14/04	5.4945	EPA8260
Styrene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
o Xylene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
m + p Xylene	ug/Kg	< 11		12/14/04	10.989	EPA8260
Xylene	ug/Kg	< 16		12/14/04	16.483	EPA8260
% Solids		91		12/13/04	0.1	SM182540G

cc:

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REMARKS:

DIRECTOR

rn = 47785 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.14 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 160		12/16/04	164.83	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 160		12/16/04	164.83	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 160		12/16/04	164.83	EPA8270
Carbazole	ug/Kg	< 160		12/16/04	164.83	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 160		12/16/04	164.83	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 160		12/16/04	164.83	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 160		12/16/04	164.83	EPA8270
Hexachloroethane	ug/Kg	< 160		12/16/04	164.83	EPA8270
Nitrobenzene	ug/Kg	< 160		12/16/04	164.83	EPA8270
Isophorone	ug/Kg	< 160		12/16/04	164.83	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 160		12/16/04	164.83	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 160		12/16/04	164.83	EPA8270
Naphthalene(sv)	ug/Kg	< 160		12/16/04	164.83	EPA8270
4-Chloroaniline	ug/Kg	< 160		12/16/04	164.83	EPA8270
Hexachlorobutadiene	ug/Kg	< 160		12/16/04	164.83	EPA8270
2-Methylnaphthalene	ug/Kg	360		12/16/04	164.83	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 1600		12/16/04	1648.3	EPA8270
2-Chloronaphthalene	ug/Kg	< 160		12/16/04	164.83	EPA8270
2-Nitroaniline	ug/Kg	< 160		12/16/04	164.83	EPA8270
Dimethyl Phthalate	ug/Kg	< 160		12/16/04	164.83	EPA8270
Acenaphthylene	ug/Kg	< 160		12/16/04	164.83	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 160		12/16/04	164.83	EPA8270
3-Nitroaniline	ug/Kg	< 160		12/16/04	164.83	EPA8270
Acenaphthene	ug/Kg	< 160		12/16/04	164.83	EPA8270
Dibenzofuran	ug/Kg	< 160		12/16/04	164.83	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.14 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 160		12/16/04	164.83	EPA8270
Diethyl Phthalate	ug/Kg	< 160		12/16/04	164.83	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 160		12/16/04	164.83	EPA8270
Fluorene	ug/Kg	< 160		12/16/04	164.83	EPA8270
4-Nitroaniline	ug/Kg	< 160		12/16/04	164.83	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 160		12/16/04	164.83	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 160		12/16/04	164.83	EPA8270
Hexachlorobenzene	ug/Kg	< 160		12/16/04	164.83	EPA8270
Phenanthrene	ug/Kg	440		12/16/04	164.83	EPA8270
Anthracene	ug/Kg	< 160		12/16/04	164.83	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 160		12/16/04	164.83	EPA8270
Fluoranthene	ug/Kg	< 160		12/16/04	164.83	EPA8270
Pyrene	ug/Kg	240		12/16/04	164.83	EPA8270
BenzylButylPhthalate	ug/Kg	< 160		12/16/04	164.83	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 1600	@	12/16/04	1648.3	EPA8270
Benzo(a)anthracene	ug/Kg	< 160		12/16/04	164.83	EPA8270

cc:

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REMARKS: @Estimated due to low internal standard, @20%. Low recovery due to interference. QC limit is 50%.

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TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	190		12/16/04	164.83	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 160		12/16/04	164.83	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 160	@	12/16/04	164.83	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 160	@	12/16/04	164.83	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 160	@	12/16/04	164.83	EPA8270
Benzo(a)pyrene	ug/Kg	< 160	@	12/16/04	164.83	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 160	@	12/16/04	164.83	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 160	@	12/16/04	164.83	EPA8270
Benzo(ghi)perylene	ug/Kg	< 160	@	12/16/04	164.83	EPA8270

cc:

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TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2-Chlorophenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 160		12/16/04	164.83	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 160		12/16/04	164.83	EPA8270
2-Nitrophenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2,4-Dimethylphenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2,4-Dichlorophenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2,4-Dinitrophenol	ug/Kg	< 1600		12/16/04	1648.3	EPA8270
4-Nitrophenol	ug/Kg	< 1600		12/16/04	1648.3	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 1600		12/16/04	1648.3	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 1600		12/16/04	1648.3	EPA8270

cc:

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631 422-5777

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TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	3100		12/15/04	1.0989	EPA6010
Antimony as Sb	mg/Kg	< 1.1		12/15/04	1.0989	EPA6010
Arsenic as As	mg/Kg	5.3		12/15/04	1.0989	EPA6010
Barium as Ba	mg/Kg	59		12/15/04	0.5494	EPA6010
Beryllium as Be	mg/Kg	< 0.11		12/15/04	0.1098	EPA6010
Cadmium as Cd	mg/Kg	2.6		12/15/04	0.5494	EPA6010
Calcium as Ca	mg/Kg	15000		12/15/04	21.978	EPA6010
Chromium as Cr	mg/Kg	26		12/15/04	0.5494	EPA6010
Cobalt as Co	mg/Kg	7.3		12/15/04	0.5494	EPA6010
Copper as Cu	mg/Kg	71		12/15/04	1.0989	EPA6010
Iron as Fe	mg/Kg	32000		12/15/04	1.0989	EPA6010
Lead as Pb	mg/Kg	120		12/15/04	0.5494	EPA6010
Magnesium as Mg	mg/Kg	800		12/15/04	0.5494	EPA6010
Manganese as Mn	mg/Kg	250		12/15/04	1.0989	EPA6010
Mercury as Hg	mg/Kg	0.038		12/21/04	0.0054	EPA7470A
Nickel as Ni	mg/Kg	78		12/15/04	1.0989	EPA6010
Potassium as K	mg/Kg	1500		12/15/04	109.89	EPA6010
Selenium as Se	mg/Kg	< 0.44		12/17/04	0.4395	EPA7740
Silver as Ag	mg/Kg	5.1		12/15/04	0.5494	EPA6010
Sodium as Na	mg/Kg	790		12/15/04	109.89	EPA6010
Thallium as Tl	mg/Kg	< 1.1		12/21/04	1.0989	EPA7841
Vanadium as V	mg/Kg	1100		12/15/04	0.5494	EPA6010
Zinc as Zn	mg/Kg	130		12/15/04	1.0989	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

APPENDIX C

Soil Boring Logs

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone:
Fax:

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-1	Not Measured	Not Measured		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	B. Ben-Eliezer	New York, New York		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services /		South side, inside building		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	2-inches	6620 / Geoprobe	2" Macro-Core	12/7/04-12/7/04
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	7 (Feet BLS)	Cuttings		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			
		Dark brown to gray fine to coarse Sand and Silt, some Gravel, some Cinders and Slag; moist		7.3	
5				14.8	Soil sample SB-1/5-7 collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
		Gray to brown fine SAND, some Silt, trace Gravel, fining towards bottom; wet			
10					
		Black to gray fine Sand and Silt, some Cinders and Slag, little Gravel, trace Rubber; wet		30.4	Black staining and odor (sweet, not hydrocarbon).
					Soil sample SB-1/10-15 collected for TCL VOC, TCL SVOC, TAL Metals, and TCLP analysis.
15					
		Black organic CLAY, some Silt; moist		0.0	
					Bottom of borehole at 20 ft bls.
20					

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SOIL BORING LOG

WELL NO. **SB-2**	NORTHING **Not Measured**	EASTING **Not Measured**		
PROJECT NO./NAME **551 West 21st Street / Alf Naman**		LOCATION		
APPROVED BY **Nathan Epler**	LOGGED BY **B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER **Associated Environmental Services /**		GEOGRAPHIC AREA **SW corner, inside building**		
DRILL BIT DIAMETER/TYPE **2-in. / Drive Sampler**	BOREHOLE DIAMETER **2-inches**	DRILLING EQUIPMENT/METHOD **6620 / Geoprobe**	SAMPLING METHOD **2" Macro-Core**	START-FINISH DATE **12/7/04-12/7/04**
LAND SURFACE ELEVATION **Not Measured**	DEPTH TO WATER **7 (Feet BLS)**	BACKFILL **Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0.0	
		Brown fine to medium Sand, Slag, and Cinders, little Gravel; moist			
5				5.0	
		Gray fine SAND, some Silt, trace Gravel; moist			
10					
		Black to dark gray fine to coarse Sand and Cinders, little Gravel, little Silt; wet		14.3	Soil sample SB-2/10-15 collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
					Groundwater sample SB-2/10-15 (AQ) collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
		Gray to brown fine SAND, little Silt, trace Cinders; wet			
15					
		Dark gray to brown fine SAND, little Silt, trace Cinders; wet		13.5	
		Dark gray Silt, fine Sand, and Cinders; wet			
20					
		Black organic CLAY, little Silt; moist		9.1	
					Bottom of borehole at 25 ft bls.
25					

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-3	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	**B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services /		**West side, inside building**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**6620 / Geoprobe**	**2" Macro-Core**	**12/7/04-12/7/04**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**7 (Feet BLS)**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0.0	
		Brown fine to coarse Sand and Slag, little Silt and Gravel; moist			
5				0.0	
		Brown to gray fine SAND, little Silt, trace Gravel, little Slag and Cinders; wet			
		Black fine SAND, some Silt, trace Cinders; wet			
10		Gray to black fine Sand, Silt, and Slag, little Gravel, trace Wood; wet		3.4	
15		Gray fine SAND, trace Silt; wet		7.1	Soil sample SB-3/15-20 collected for TCL VOC, TCL SVOC, TAL Metals, and TCLP analysis.
		Gray to black fine Sand and Cinders, some Silt, trace Gravel; wet			
20		Gray fine to coarse Sand and Silt, some Gravel, little Slag, trace Clay; wet		3.8	
25		Black organic CLAY, little Silt; moist		2.1	
30					Bottom of borehole at 30 ft bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-4	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	**B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services / John S.		**South boring in alley**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
1.5-in. / Drive Sampler	**1.5-inches**	**54 LT / Geoprobe**	**1.5" Large Bore**	**12/8/04-12/8/04**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**8 (Feet BLS)**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0	
		Brown fine to coarse Sand and Silt, some Slag, some Brick, little Gravel, trace Pottery Shards, trace Shells; moist			
				0	
5		Tan to brown fine to coarse Sand and Silt, little Gravel, trace Clay; moist			5
		Black Silt, fine to coarse Sand, and Gravel, little Slag, trace Clay; wet		0.8	Soil sample SB-4/8-12 collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
10					10 Groundwater sample SB-4/10-14 (AQ) collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
		Dark gray Silt and fine Sand, trace Clay, trace Gravel; wet		0	
15					15
				0	
		Black organic CLAY, trace Silt; moist			Bottom of borehole at 20 ft bls.
20					20

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-5	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	**B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services / John S.		**Center boring in alley**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
1.5-in. / Drive Sampler	**1.5-inches**	**54 LT / Geoprobe**	**1.5" Large Bore**	**12/8/04-12/8/04**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**8 (Feet BLS)**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0	
		Brown fine to coarse Sand and Silt, some Slag, little Gravel, trace Brick; moist			
		Brown fine to coarse Sand and Silt, some Slag, little Gravel; moist		0	
5					5
		Dark gray to grayish brown fine SAND, some Silt, little Gravel; wet		0	Soil sample SB-5/8-12 collected for TCL VOC, TCL SVOC, TAL Metals, and TCLP analysis.
10					10
		Brown to gray fine to coarse Sand and small Gravel, little Slag, trace Brick; wet			
		Black to gray fine to coarse Sand and Silt, some Slag, some Cinders, little Gravel; wet		0	
15					15
		Grayish brown fine SAND, trace Wood; wet			
		Gray fine SAND; wet		0	
20					20
		Dark gray silty CLAY, trace fine Sand; moist		0	
					Bottom of borehole at 24 ft bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-6	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	**B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services / John S.		**North boring in alley**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
1.5-in. / Drive Sampler	**1.5-inches**	**54 LT / Geoprobe**	**1.5" Large Bore**	**12/8/04-12/8/04**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**8 (Feet BLS)**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0	
		Brown fine to coarse SAND, some Silt, some Slag, little Gravel, little Brick; moist			
5				0	Soil sample SB-6/4-8 collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
		Brown fine SAND, trace Silt, trace Gravel; moist			
		Brown fine to coarse SAND, some Silt, little Brick, trace Gravel, gray at bottom 2 inches; wet		0	
10					Groundwater sample SB-6/10-14 (AQ) collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
		Gray fine SAND, some Silt, trace Clay, trace Gravel; wet		0	
15					
		No Recovery		NA	
20					
		No Recovery		NA	
					Bottom of borehole at 24 ft bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-7	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	**B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services / John S.		**East side, inside building, west of SB-5**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
1.5-in. / Drive Sampler	**1.5-inches**	**54 LT / Geoprobe**	**1.5" Large Bore**	**12/9/04-12/9/04**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**9 (Feet BLS)**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Fill		NA	Drilled through fill material from 0 to 4 ft bls.
5		Brown fine to coarse Sand and Silt, some Slag and Gravel, little Brick; moist		0.4	
		Brown fine to coarse Sand and Silt, some Gravel, little Slag and Brick; moist		0.9	
10		Gray fine to coarse Sand and Silt, some Gravel, little Slag and Brick; wet			Groundwater sample SB-7/10-14 (AQ) collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
		Gray fine to coarse Sand and Silt, some Gravel, little Slag; wet		3.1	Soil sample SB-7/12-16 collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
15		Grayish brown fine compacted SAND, trace Silt; moist			
		Brown to gray fine SAND, little Silt, trace Clay; wet		2.8	
20		Grayish brown fine to coarse SAND, little Gravel, some Cinders and Slag; wet			
		Brownish gray fine SAND, some Silt, little Gravel, trace Clay; wet		0	
25		Gray Silt and fine Sand; wet		0	
		Black organic CLAY, trace Silt; moist			Bottom of borehole at 28 ft bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-8	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	**B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services / John S.		**SE corner, inside building**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
1.5-in. / Drive Sampler	**1.5-inches**	**54 LT / Geoprobe**	**1.5" Large Bore**	**12/9/04-12/9/04**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**10 (Feet BLS)**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Brown fine to coarse Sand and Silt, some Slag and Gravel; moist		0	
5		Brown fine to coarse Sand and Silt, some Slag and Gravel, trace Cinders, trace Plastic; moist		0	
10		Brown fine to coarse Sand and Silt, some Slag and Gravel, trace Cinders; wet		0.4	
		Grayish brown fine to coarse SAND, little Gravel, little Silt; wet			
15		Gray to black fine to coarse SAND, some Silt, some Gravel, little Slag and Cinders; wet		31.9	Hydrocarbon odor and staining increases with depth; strongest from 14 ft to 16 ft bls. Soil sample SB-8/12-16 collected for TCL VOC, TCL SVOC, TAL Metals, and TCLP analysis.
20		Gray to grayish brown fine SAND, little Silt; wet		4.2	Hydrocarbon odor in upper two ft; decreases with depth.
		Dark gray to black organic CLAY, little Silt, trace fine Sand; moist		2.0	

March 28, 2005

PHASE I ENVIRONMENTAL SITE ASSESSMENT

547-549 West 21st Street
New York, New York

Prepared for

551 WEST CHELSEA PARTNERS
547-549 West 21st Street
New York, New York

ROUX ASSOCIATES, INC.

Environmental Consulting & Management

ROUX

209 Shafter Street, Islandia, New York 11749 ♦ 631-232-2600

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EXECUTIVE SUMMARY

At the request of 551 West Chelsea Partners, Roux Associates, Inc. (Roux Associates) performed a Phase I Environmental Site Assessment (ESA) of the property located at 547-549 West 21st Street in Manhattan, New York (Site).

To assess the potential for environmental impacts associated with the Site, Roux Associates utilized a variety of information sources, including radial information searches from state and federal regulatory agency databases, discussions with Site personnel, a review of readily available historical information, including Sanborn Fire Insurance maps, aerial photographs and topographic maps, observations made during a Site reconnaissance, and the results of a non-invasive ground penetrating radar survey.

Based on the information gathered as a result of the Phase I ESA process, Roux Associates did not identify recognized environmental conditions. However, the following environmental concerns were identified:

- The Site is located in a 100-year flood plain.
- Information suggests that the Site is most likely underlain by historical urban fill material from an unknown origin.
- The Site is located on the boundary of a former manufactured gas plant (MGP) property.
- Historical uses of the Site include an auto and truck body repair shop.
- Based on the age of the building structure, potential lead-based paint and potential asbestos containing roofing material may be present.

Based on the findings listed above, Roux Associates concludes that there is limited potential for soil and/or groundwater impairment beneath, and/or in close proximity to, the Site. Current Site operations are not a source of environmental impact: the Site is not located above a drinking water aquifer, the Site is completely covered by the building slab, and there are no current direct contact exposure pathways to potentially impacted soil or groundwater.

Based on the Site's current and planned future use as a theater and cabaret, Roux Associates does not recommend further environmental investigation.

1.0 INTRODUCTION

At the request of 551 West Chelsea Partners (Client), Roux Associates, Inc. (Roux Associates) performed a Phase I Environmental Site Assessment (ESA) of the property located at 547-549 West 21st Street in New York, New York (Site). The Phase I ESA was conducted in accordance with scope of work presented in Roux Associates' proposal dated February 28, 2005 and in general accordance with the American Society of Testing and Materials' (ASTM) standard practice for Environmental Site Assessments for Commercial Real Estate (ASTM E 1527, 2000).

In order to assess the potential for environmental impacts associated with the Site, Roux Associates utilized a variety of information sources, including radial information searches from state and federal regulatory environmental databases, a review of readily available historical information, including Sanborn Fire Insurance maps, aerial photographs and topographic maps, observations made during a Site reconnaissance conducted on March 18, 2005, and the results of a non-invasive underground storage tank (UST) investigation conducted on March 7, 2005. This assessment is not intended to serve as a rigorous environmental compliance audit; rather, the purpose of this investigation is to identify "recognized environmental conditions" at the Site. ASTM E 1527 defines a recognized environmental condition as:

> *"The presence or likely presence of any hazardous substances 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 hazardous substances or petroleum products into structures on the property or in to the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."*

In January 2002, the Small Business Liability Relief and Brownfields Revitalization Act amended the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) to provide landowner liability protection (LLP). For prospective purchasers to be eligible for LLP, a person must perform "all appropriate inquiry" (AAI) as part of the environmental due diligence before acquisition of the property. Draft AAI standards are

currently under final review before being added to the scope of ASTM ESAs. Roux Associates has incorporated the following additional elements into this Phase I ESA:

- The Phase I ESA was conducted by one or more Roux Associates staff members that meet the AAI requirements for an Environmental Professional (see Appendix A);
- Reviews were conducted of readily available historical sources, such as historical Sanborn Maps, historical aerial photographs, and historical topographic maps;
- Visual inspections were conducted of the Site and fence line inspections of adjacent properties; and,
- Identification of data gaps in the information developed as part of the inquiry that affect the ability of the environmental professional to identify conditions indicative of releases at the subject Site.

The findings provided in this report are based solely on information gathered during this Phase I ESA.

2.0 METHODS OF INVESTIGATION

The methods of investigation used to conduct this Phase I ESA are outlined in the following sections.

2.1 General

The activities performed in conjunction with the Phase I ESA of the Site included:

- Review of state and federal environmental regulatory agency databases provided by EDR, Inc. of Milford, Connecticut (EDR), indicating sites of environmental concern within radii of one-quarter, one-half, and one mile around the Site;
- Review of historical information for the Site and surrounding area;
- Reconnaissance of the Site and surrounding area conducted on March 18, 2005; and
- Non-invasive underground storage tank investigation conducted on March 7, 2005.

2.2 Review of Readily Available Information

The items compiled and reviewed by Roux Associates to date include the following:

- Historical United States Geological Survey (USGS) 7.5 Minute Topographic Maps, Jersey City, New Jersey Quadrangle dated 1900, 1905, 1947, 1955, 1967, and 1981;
- EDR Environmental Database Report dated February 11, 2005;
- Sanborn Fire Insurance Maps dated 1895, 1904, 1921, 1950, 1969, 1975, 1983, 1991, and 1996; and
- Aerial Photographs dated 1943, 1953, 1966, 1976, 1985, and 1995.

The company contacted during the records review is provided below:

Agency or Company	Status
Environmental Data Resources, Inc.	Database Report Generated February 11, 2005

2.3 Site and Area Reconnaissance

Roux Associates conducted a reconnaissance of the Site on March 18, 2005 to locate, investigate, and assess recognized environmental conditions. The Site reconnaissance included a review of the following:

- Site and local topography;

- Potential drainage pathways;
- Stained soil, stained concrete/pavement;
- Stressed vegetation, excavations, mounded soil;
- Ponded liquids, drywells, floor drains, and sumps;
- Locations and types of utilities;
- Storage areas;
- Hazardous materials;
- Hazardous Wastes;
- Presence of aboveground and underground storage tanks;
- Presence of electrical transformers;
- Current use of adjacent properties; and
- Evidence of asbestos containing material (ACM) or lead based paints.

3.0 PROPERTY DESCRIPTION

Descriptions of the Site and surrounding properties are included in the following sections. The location of the Site is presented in Figure 1. The Site Layout and surrounding properties are presented in Figure 2.

3.1 Property Location and Description

The Site contains a one-story building with an interior second level mezzanine. The building has a footprint of approximately 5,000 square-feet, and is located at 547-549 West 21st Street in Manhattan (New York County), New York. The Site fronts West 21st Street and is 50 feet wide by approximately 100 feet long. The Site is located in an area of mixed property usage that includes residential apartments, warehouses, garages, and art galleries. The Site was developed as far back as 1895, when it was used as a cabinet-making factory. Other historical uses of the Site have included a metal smelting and foundry operation, and an auto and truck body repair shop. The building onsite is currently used as a theater/cabaret and was built in approximately 1960.

The building on the Site currently contains a large interior open space with a stage and liquor bar on the ground floor and an upper level mezzanine containing seats, tables, another liquor bar, dressing rooms, and a disk jockey booth. The building is built on a slab-on-grade with no basement. The slab is concrete but the interior floor is covered by carpeting and hard wood. The interior walls were painted and covered in places by mirrors and drapes. The walls appeared to be brick or cinder block. The interior ceiling is constructed of corrugated metal and metal trusses. The exterior wall fascia is covered by stucco. A marquis is located on the roof of the building and two awnings are located above the two entrances on 21st Street. All areas of the Site were accessed during the Site reconnaissance (see Site photographs in Appendix B).

3.2 Current Surrounding Property Usage

The Site is bordered to the north by art galleries. Adjacent to the east side of the Site is a multi-story warehouse. Adjoining the west side of the Site is multi-story building, currently vacant. To the south of the Site (across West 21st Street) is an after hours dance club and several art galleries (see Site photographs in Appendix B and Figure 2).

3.3 Topography and Hydrogeologic Setting

The topography of the Site is flat and covered by the building structure. The Site contains no soil-covered areas, vegetation, or landscaping and, based on the topography of adjacent and nearby properties, the Site would not receive rain/storm water runoff from other properties. Rain/storm water runoff appears to be discharged from the sidewalk to municipal storm sewers located along West 21st Street. The area in which the Site is located is identified by the United States Geological Survey (USGS) as Urban Land. Urban Land is characterized by the USGS as land that has more than 85 percent of its surface covered by pavement, roads, buildings, homes, parking lots, etc. Based on subsurface investigations conducted at an adjoining property and another property located within a 1/8-mile radius of the Site, subsurface geology consists primarily of assorted historical urban fill material of unknown origin ranging between two and 15 feet below land surface; sand, gravel, and silt between 15 to 25 feet below land surface; and a clay layer approximately 25 feet below land surface.

The elevation of the Site is approximately 10 feet above mean sea level, as shown in the USGS 7.5 Minute Series Topographic Map (Figure 1). The nearest surface water body to the Site is the Hudson River, located approximately 200 feet west of the Site. The Site is located in a 100-year flood zone. The Site is not located in or adjacent to regulated wetlands. Groundwater is present approximately 8 to 10 feet below land surface and regionally flows in a west-southwesterly direction.

4.0 SITE HISTORY

4.1 Historical Site and Surrounding Property Usage

The historical uses of the Site and adjacent properties was researched by examining historical Sanborn maps dated 1895, 1904, 1921, 1950, 1969, 1975, 1983, 1991, and 1996 (Appendix C), historical aerial photographs dated 1943, 1953, 1966, 1976, 1985, and 1995 (Appendix D), and historical topographic maps dated 1900, 1905, 1947, 1955, 1967, and 1981 (Appendix E).

Based on those sources of information, it appears that the area in which the Site is located borders a five-city block wide former manufactured gas plant (MGP) facility operated by Consolidated Edison Company. The Site itself appears to have contained a cabinet making shop from the late 1800s until approximately 1921, at which time the use of the Site changed to a metal smelting and foundry operation. Between approximately 1960 and approximately 2000, the Site operated as an auto and truck body repair shop. The Site currently operates as a theater/cabaret.

Sanborn Fire Insurance Maps

Roux Associates reviewed Sanborn Fire Insurance maps (Appendix C), aerial photographs for the Site and surrounding areas (Appendix D), and historical topographic maps (Appendix E) to document development and past uses of the Site and surrounding area. The following is a summary of the Site and surrounding property usage from 1895 to present, as determined from the aforementioned sources:

Site and Surrounding Property Usage

Map Year	Site	North	East	South	West
1895	Cabinet Factory	Lumber Yard	Warehouse and Scene Painting	Stone and Lumber Yard (directly south); MGP Holing Tanks (one block south)	Lumber Yard
1904	Cabinet Factory	Lumber Yard	Scenery Storage warehouse	Stone Yard (directly south); MGP Holding Tanks (one block south)	Lumber Yard
1921	Smelting and Foundry	Lumber Yard	Not Identified	Wagon Yard	Furniture Warehouse Building
1950	Use Not Described on Sanborn Map	Warehouse	Warehouse	Auto Repair and Painting Shops	Furniture Warehouse Building

Site and Surrounding Property Usage

Map Year	Site	North	East	South	West
1969	Auto and Truck Body Repair Shop	Warehouse	Public Storage Facility	Truck Garage, Auto Painting and Repair Shops	Warehouse
1975	Auto and Truck Body Repair Shop	Warehouse	Public Storage Facility	Truck Garage, Auto Painting and Repair Shops	Warehouse
1983	Auto and Truck Body Repair Shop	Warehouse	Public Storage Facility	Truck Garage, Auto Painting and Repair Shops	Warehouse
1991/95	Auto and Truck Body Repair Shop	Warehouse	Public Storage Facility	Truck Garage, Auto Painting and Repair Shops	Warehouse
Current	Theater and Cabaret	Art Galleries	Warehouse	Dance Club and Art Galleries	Vacant Warehouse Building

Aerial Photographs

Aerial photographs were obtained from EDR for the years 1943, 1953, 1966, 1976, 1985, and 1995, and are presented in Appendix D. The Site and surrounding area are visible in all of the aerial photographs. The aerial photographs are consistent with the historical uses of the Site and adjacent properties, as presented in the Sanborn maps and topographic maps. No environmentally significant observations were noted in the aerial photograph review

Historical Topographic Maps

Historical topographic maps were obtained from EDR for the years 1900, 1905, 1947, 1955, 1967, and 1981, and are presented in Appendix E. These maps corroborate the reported general development of the area around the Site as reported by the Site representative and by Sanborn maps and aerial photographs. No environmentally significant observations were noted in the historical topographic map review.

5.0 RECORDS REVIEW

A computerized environmental database and radius map report prepared by EDR was utilized by Roux Associates to conduct a government records database search of properties of known and suspected environmental concern within specific radii of the Site. A total of 50 environmental databases (28 federal and 22 state databases) were reviewed as part of this Phase I ESA. Appendix F contains a complete copy of the environmental database and radius map report.

Sites identified in the state and federal databases include:

- One large quantity generator of hazardous waste within ¼-mile radius of the Site;
- 33 small quantity generators of hazardous waste within a ¼-mile of the Site;
- Two state landfills within a ½-mile radius of the Site;
- 70 leaking storage tanks within ½-mile radius of the Site;
- 35 registered underground storage tanks within ¼-mile radius of the Site;
- Two Voluntary Cleanup Program sites located within a ½-mile radius of the Site;
- Two chemical bulk storage aboveground tank facilities within a ¼-mile radius of the Site;
- 21 recorded spill sites within ⅛-mile radius of the Site;
- Two dry cleaner operators within ¼-mile radius of the Site; and,
- Two coal gas sites within a 1-mile radius of the Site.

The Site is not listed in any of the databases, nor are any adjoining properties.

Due to the large number of other sites listed in the databases (170 in all) it is impractical to discuss each of them individually in this report. Roux Associates has reviewed the database information for each of the listed properties and selected those with the greatest potential to impact the Site to be discussed below.

Former Manufactured Gas Plant (MGP) Site

The Site is located on the northern boundary of an area identified as a former MGP site. The former MGP site covers portions of five city blocks (West 16th Street to West 21st Street) from 10th Avenue to 11th Avenue and the Chelsea Piers. Former MGP sites are of environmental

concern due to the wastes generated as part of the manufacturing process. Typical wastes and byproducts included coal tar, ammonia, sulfur, light oils, heavy oils, creosote, and pitch. Investigations of former MGP facilities have found soil and groundwater impacts associated with semi-volatile organic compounds including and polyaromatic hydrocarbons (PAHs), and metals. Due to the Site's location within the former MGP area, soil and/or groundwater may be impacted due to the historical operations of the former MGP. However, soil boring data obtained from Con Edison indicates that the MPG-related impacts in the area, if present, are present at depths greater than 25 feet below land surface. Therefore, they are not likely to affect Site operations as a theater/cabaret.

Leaking Underground Storage Tank and Spill Sites

Two leaking underground storage tank sites and five reported spill sites are identified for the 500 block of West 21st Street. A review of the information contained in the database for these sites reveal that several of them resulted in heating oil being released to the environment (land surface, soil, and/or groundwater). All of these sites are hydraulically upgradient of the subject Site. However, a soil and groundwater investigation at 551 West 21st Street (downgradient and adjoining the subject Site) did not reveal significant soil or groundwater impact. The leaking underground storage tank and spill sites do not appear to represent a recognized environmental condition with respect to the subject Site.

6.0 FACILITY RECONNAISSANCE

This section identifies current uses of the Site, as well as interior and exterior observations. During the Site reconnaissance, the property was operating as a theater and dance club.

6.1 Utilities

Electricity is supplied to the Site by Con Edison via underground conduits. No backup generators were observed, nor were electrical transformers observed on the Site or in proximity to the Site. Heat is generated by natural gas, which is supplied to the Site by KeySpan Energy via underground piping. Sanitary waste is discharged to the municipal sanitary sewer owned and maintained by the City of New York. No evidence of an onsite sanitary septic system was observed during the Site reconnaissance. Water is supplied to the Site by the City of New York via underground piping. No evidence of an onsite supply well was observed during the Site reconnaissance. Groundwater in Manhattan is not used for drinking purposes. New York City derives its drinking water supply from reservoirs located in upstate New York.

6.2 Hazardous Substances

During the Site reconnaissance, no evidence of hazardous substances was observed. Based on the historical uses of the Site as an auto and truck body repair operation, it is possible that hazardous substances such as parts washing fluid, degreasers, solvents, paints, etc. were used and stored on the Site. However, the Site is not listed in any of the databases associated with the use or storage of hazardous substances.

6.3 Underground Storage Tanks

Sanborn Fire Insurance maps do not indicate the presence of USTs at the Site, nor is the Site listed in any of the databases associated with the presence of USTs or the bulk storage of fuel or chemicals. The Site representative had no knowledge of existing or previous USTs at the Site. No evidence of USTs, such as fill ports or vent pipes, were observed during the Site reconnaissance. On March 7, 2005, a non-invasive subsurface investigation was conducted in an attempt to confirm the presence or absence of a UST. The investigation utilized ground penetrating radar (GPR) technology, electromagnetic, and metal detection instruments both inside and outside of the building with the following instruments: a GSSI SIR-2000 GPR unit equipped with a 300 and 500 mHz antennae, an EM-61 Geonics magnetometer, and a Fischer

M-Scope electromagnetic utility detector. The investigation was conducted by Naeva Geophysics, Inc., and was supervised by Roux Associates. Based on the results of the investigation, no anomalies consistent with a UST were identified at the Site.

6.4 Polychlorinated Biphenyls (PCBs)

No polychlorinated biphenyl (PCB) containing materials were observed on the Site.

6.5 Staining and Stressed Vegetation

The building on the Site occupies the entire property and no areas of soil or landscaping are present.

6.6 Drains and Sumps

No evidence of floor drains or sumps was observed on the Site.

6.7 Solid Waste

Other than sanitary waste and conventional waste (paper, cardboard, food scraps), no evidence of waste generation was observed. The Site is not listed in any of the databases associated with the generation, storage, treatment, or disposal of hazardous waste. Based on the history of the Site as an auto and truck body repair shop, it is likely that wastes such as used spent degreaser, parts washing fluid, residual paints, and scrap metal were generated. However, the current Site operator was unaware of the disposal methods of the past operator. The lack of information concerning the generation and disposal of potential hazardous or regulated wastes associated with the historical uses of the Site presents a data gap.

6.8 Wastewater

Sanitary waste is discharged to the municipal sanitary sewer system owned and maintained by the City of New York. No evidence of an onsite sanitary septic system was observed. No other wastewater streams were identified.

6.9 Wells

Water supply wells were not observed or reported to be present at the Site. Potable water is supplied to the Site by the City of New York, which obtains its water from reservoirs located in upstate New York.

6.10 Lead-Based Paint

Lead-based paints may be found on painted surfaces in building structures built prior to 1978 (when the manufacture of lead-based paint was banned). Based on the age of the structure onsite, it is possible that lead-based paints may be present; however, no evidence of peeling, cracking, or blistering of painted surfaces was observed.

6.11 Asbestos-Containing Materials

Concerns regarding asbestos and asbestos-containing materials (ACM) are based upon human exposure to airborne fibers. Building materials, such as floor tiles and mastic, acoustical ceiling tiles, thermal insulation, wall and ceiling plaster, and roofing materials, were typically made with asbestos. The USEPA banned the use of asbestos-containing thermal insulation in 1976 and asbestos-containing acoustic insulation in 1978. An intrusive asbestos survey was not conducted as part of the scope of this Phase I ESA; however, based on observations made during the Site visit, no suspect ACMs were identified with the possible exception of roofing material.

6.12 Radon

Radon is a naturally occurring radioactive gas produced by the decay of the element uranium. Radon levels vary greatly from area to area based on the amount of uranium present in soils. Radon is odorless and colorless and seeps through the soil, rock and, water to collect in buildings. There is a higher likelihood for elevated levels of radon gas accumulation in geographic areas where bedrock is shallow and/or outcrops are present, as it is believed the radon gas more readily travels in rock fracture. Cracked slabs and building foundations, porous building materials, and poor ventilation can contribute to elevated radon gas levels. The average radon concentrations in the Site vicinity, as indicated by the USEPA, is 2.0 picocuries per liter (pCi/L). This is well below the USEPA action level of 4.0 pCi/L. As such, the Site is not located in a high radon risk area.

7.0 SUMMARY OF PREVIOUS INVESTIGATIONS AND REMEDIATION

No information concerning previous environmental investigations of the Site was discovered by, or provided to, Roux Associates. A soil and groundwater investigation was conducted at the 551 West 21st Street property, which adjoins the west side of the Site, and is hydraulically downgradient of the Site. During the investigation, soil and groundwater samples were collected from beneath the 551 West 21st Street property. Based on the results of the laboratory analyses, no significant environmental impairment of soil or groundwater was identified.

8.0 FINDINGS AND CONCLUSIONS

Findings

Based on the information gathered as a result of the Phase I ESA process, Roux Associates has identified the following potential environmental concerns:

- The Site is located in a 100-year flood plain.
- Information suggests that the Site is most likely underlain by historical urban fill material from an unknown origin.
- The Site is located on the boundary of a former manufactured gas plant (MGP) property.
- Historical uses of the Site include an auto and truck body repair shop for approximately 40 years.
- Based on the age of the building structure, potential lead-based paint and potential asbestos containing roofing material may be present.
- A soil and groundwater investigation on an adjacent and hydraulically downgradient property did not identify significant soil or groundwater impairment.

Conclusions

Based on the findings listed above, Roux Associates concludes that there is limited potential for soil and/or groundwater impairment beneath, and/or in close proximity of, the Site. Based on the Site's current and planned future use as a theater and cabaret, Roux Associates does not recommend further environmental investigation.

Data Gaps

Roux Associates identified the following data gaps in the information developed as part of the inquiry that affects the ability of the environmental professional to identify conditions indicative of releases at the subject Site:

- Insufficient information related to past generation and disposal of potential hazardous materials or wastes onsite due to the inability to interview employees of the former auto and truck body repair operation on the Site.

9.0 REPORT LIMITATIONS

This report, including the exhibits attached thereto, describes the results of Roux Associates' initial investigation to identify the potential for the presence of significant contamination to affect the subject property. The conclusions and recommendations stated herein represent the application of a variety of technical disciplines to material facts and conditions associated with the subject property. Many of these conditions are subject to change over time. Accordingly, the conclusions and recommendations must be considered with this context.

Roux Associates has performed this environmental assessment in a professional manner using the degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. There is no warranty, expressed or implied, that the user of this environmental assessment and report will qualify for the Innocent Landowner Defense as provided through the Superfund Amendments and Reauthorization Act.

Roux Associates shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time the evaluation was performed.

Roux Associates, its officers, and its employees have no present or contemplated interest in the property or the parties involved. Our employment and compensation for preparing this report are not contingent upon any action or event resulting from analyses, observations, findings, opinions, or conclusions in or from the use of this report. Roux Associates shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time the evaluation was performed.

This environmental assessment and report is not an appraisal or property value judgment. Roux Associates will not be held liable for any use of the assessment and report that results in property value loss or gain.

The report has been prepared for the exclusive use of the client named herein (551 West Chelsea Partners and Alf Naman) for specific application to the proposed project covered in this study. Any third party use of this report, beyond that of the parties named herein, is the sole responsibility of that party per the terms and conditions of the applicable contractual agreements between Roux Associates and the client.

Respectfully submitted,

ROUX ASSOCIATES, INC.

William J. Holubowich, CEA
Senior Scientist

Nathan Epler, Ph.D.
Principal Hydrogeologist

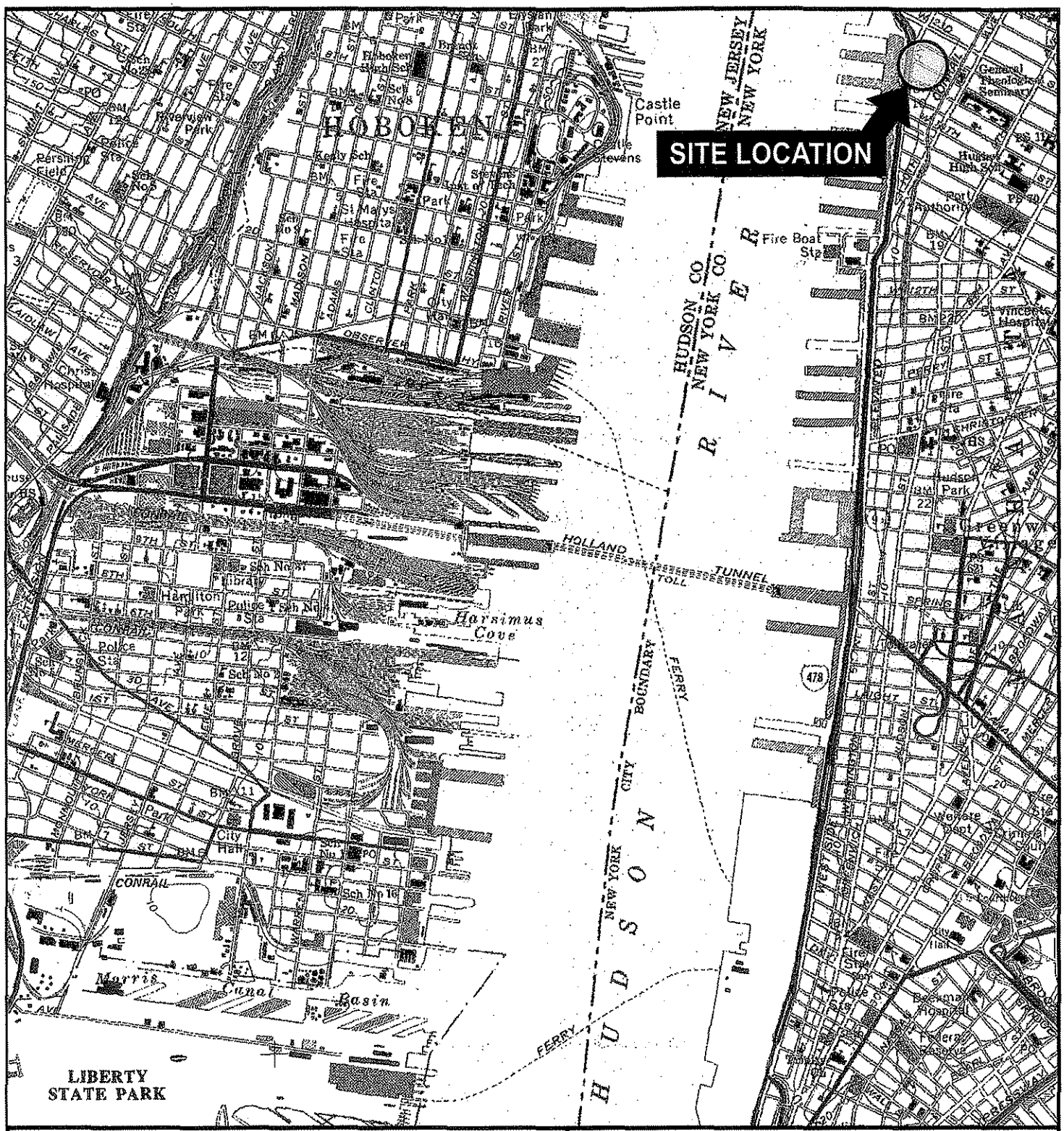
9.0 REFERENCES

Aerial Photographs, Sanborn Fire Insurance Maps, and Historical Topographic Maps; Environmental Data Resources, Inc., 440 Wheelers Farm Road, Milford, Connecticut 06460, February 11, 2005.

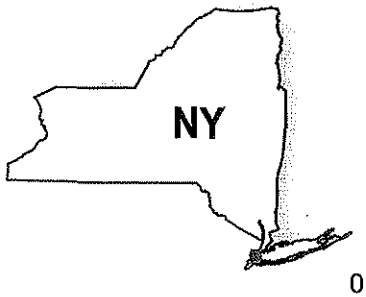
American Society for Testing and Materials, 2000. ASTM Standards on Environmental Site Assessments for Commercial Real Estate. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. ASTM E 1527-00, Fourth Edition, May 10, 2000.

Environmental Data Resources, Inc. Report for 532 West 20th Street, New York, New York, Inquiry Number 01358844.2r, February 11, 2005.

United States Geological Survey (USGS), 1979. 7.5 Minute Topographic Map, Jersey City, New Jersey Quadrangle.



QUADRANGLE LOCATION



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SOURCE:
USGS; 1981, Jersey City, NY-NJ
7.5 Minute Topographic Quadrangle

0 2000'

Title:

SITE LOCATION PLAN

547-549 W21st STREET
NEW YORK, NEW YORK

Prepared for:

551 WEST CHELSEA PARTNERS

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: BH	Date: 23MAR05	FIGURE
Prepared by: GM	Scale: AS SHOWN	1
Project Mgr.: BH	Office: NY	
File No.: ALF0610001.CDR	Project No.: 126206Y	

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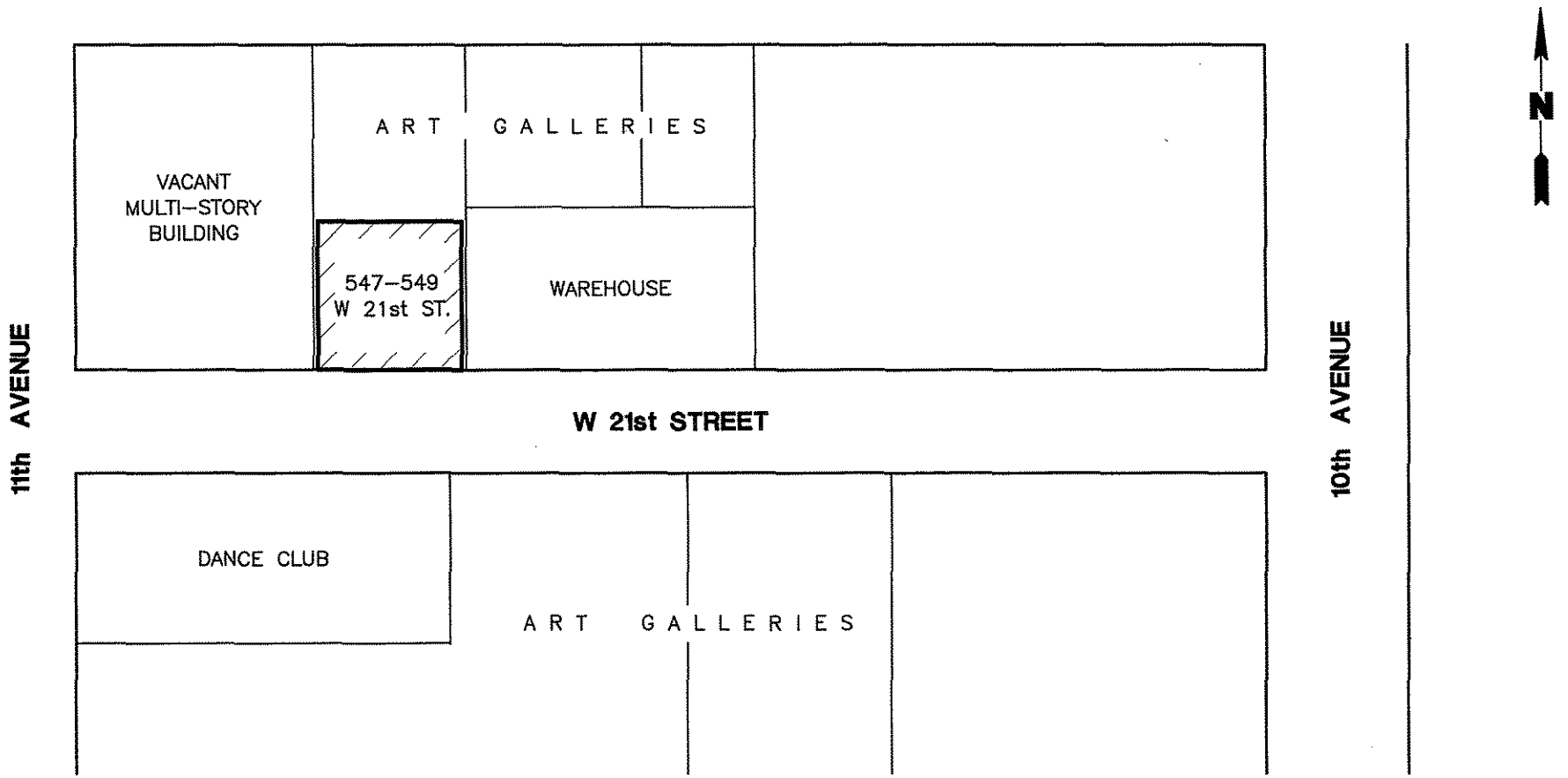


Title:

SITE PLAN

547–549 W21st STREET
NEW YORK, NEW YORK

Prepared For:

551 WEST CHELSEA PARTNERS

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: B.H.	Date: 22MAR05	FIGURE
Prepared by: G.M.	Scale: AS SHOWN	2
Project Mgr: B.H.	Office: NY	
File No: ALF0610002	Project: 126206Y	

APPENDIX A

Qualifications of Key Project Personnel

Nathan A. Epler, Ph.D.
Principal Hydrogeologist

Technical Specialties:
Quantitative Hydrogeologist / Project Manager. Specialties include analytical and numerical groundwater and surface-water flow and contaminant transport modeling for hazardous waste sites, landfills and remedial design of pump and treat systems. Project Manager for remedial investigations. Specialist in computerized mapping, 3D graphics and GIS database management.

Experience Summary:
13 years of experience: Principal Hydrogeologist at Roux Associates, Inc., Senior Hydrogeologist at Roux Associates, Inc., Hydrogeologist at USGS (Syosset, New York).

Credentials:
Ph.D. in Hydrogeology, State University of New York at Stony Brook, 1991.
M.S. in Geology, State University of New York at Stony Brook, 1986.
B.S. in Geology, Queens College, City University of NY, 1983.

Professional Affiliations:
National Ground Water Association

Publications and Presentations:
Epler, N.A., 1991, A Multiple Tracer Study of Ground Water From A Shallow, Unconfined Aquifer, Long Island, New York, Ph.D. Dissertation, State University of New York at Stony Brook, 156pp. The research included contaminant transport modeling and groundwater dating.
Epler, N.A., 1990 Dating Shallow Ground Water, Groundwater, V28.

Key Projects:
- Project Manager, Site investigation and remediation at a bulk petroleum storage terminal in New York. Project included soil borings and installation of wells to delineate free-product plume. Successfully negotiated with NYSDEC regarding scope and design of active free-product recovery system.
- Project Manager Remedial Investigation at a New York State Superfund Site. Site was a former dye and pigment manufacturing facility for over 100 years. Extensive soil and groundwater contamination was delineated and remediated under a series of IRMs designed to be coordinated with the future re-development of the Site into a newsprint recycling facility.
- Project Manager remedial investigation under the New York State Voluntary Cleanup Program of a Closed Industrial Landfill. Site was contaminated with numerous compounds and contained drums and construction debris. Site was evaluated using electromagnetic surveys, trenching and borings. Remedial Action Work Plan using phyto-technology to address leachate control is being prepared.
- Project Manager of soil Remedial Investigation at an ISRA Site in New Jersey. Project included delineation of pesticides in soil at a 28-acre facility. Higher delineation limits and cleanup levels were successfully negotiated with the NJDEP to reduce the volume of soil to be remediated. Soil data was presented--and soil volume to be remediated was calculated--using a Geographic Information System, which incorporated over 10 years of historic soil data for the Site.
- Project Manager of groundwater Remedial Investigation at an ISRA Site in New Jersey. Project included installation of over 120 monitoring wells to delineate off-site plume of pesticides in groundwater; installation and testing of a 1,500 gallon per minute interceptor/recharge system to capture the plume; applying for and acquiring Discharge-to-Groundwater and Water Allocation permits; and, quarterly monitoring.
- Project Manager of Remedial Investigation at Delaware City PVC Site. Project includes well installation, water-level measurements and groundwater sampling to determine whether PVC Site could be source of VOCs beneath petroleum refinery.
- Project Manager of Performance Monitoring at the Delaware City PVC Superfund Site. Project includes sampling of over 100 monitoring wells to assess the performance of a 12-well groundwater interceptor and treatment system. Due to large reductions in plume volume, recommendations were accepted by the USEPA to reduce the number of pumping wells and the total pumping rate.
- Project Manager, installation of a 2,000 gallon per minute supply well for a New Jersey utility. Project included startup testing, 72-hour aquifer test and preparation of Water Allocation Permit.
- Project Manager of soil remediation at an ISRA Site in New Jersey. Implemented excavation and on-site consolidation and capping of pesticide-contaminated soil. Capped areas were designed to be incorporated into a Site re-development plan for use as a parking area.
- Principal Modeler, groundwater flow and remedial design for a 600-gpm groundwater extraction system to prevent off-site migration of petroleum hydrocarbons from an 850-acre former refinery in Rhode Island.
- Principal Modeler, LNAPL and groundwater flow and transport modeling to support risk assessment and remedial design for an 800,000 gallon LNAPL plume at a former refinery site in Rhode Island.
- Principal Modeler, surface-water flow, solute and sediment transport in a river adjacent to an 850-acre petroleum terminal. Dissolved phase hydrocarbon fluxes into the river were calculated based on a groundwater flow model. The fluxes were used as input into a 2D finite element river model. The river model was used to predict the maximum downstream transport of dissolved phase and sediment borne contaminants.
- Principal Modeler, LNAPL recovery simulations using finite-element modeling. Recovery simulations were performed to evaluate the feasibility of recovery of a benzene plume at an industrial facility in Brazil. The modeling results indicated that

Nathan A. Epler, Ph.D.
Principal Hydrogeologist

LNAPL recovery alone would be inadequate to remediate the plume. Air sparging and soil vapor extraction were proposed as alternatives.

- Principal Modeler, groundwater flow and solute transport at an industrial site on Long Island, New York, where groundwater is impacted by hexavalent chromium that threaten public water-supply wells downgradient of the site. The modeling results were utilized to design a groundwater extraction system for site remediation. Other work included startup testing and flow optimization studies to maximize recovery rates.
- Principal Modeler, groundwater and surface-water flow and contaminant transport at a Superfund Site in New Jersey. Groundwater contaminant fluxes based on a 3D groundwater flow model are used to provide input into a 2D finite element surface-water model of a tidally-influenced creek and wetlands system. The combined models are used to study the flux of contaminants through the groundwater/surface-water flow system.
- Principal Modeler, groundwater flow and remedial design at a Superfund site in Delaware impacted by volatile organic compounds. Performed DNAPL investigation. Designed remedial system consisting of 12 interceptor wells.
- Principal Modeler, groundwater flow and remedial design at an ISRA site in New Jersey where groundwater is impacted by pesticides that threaten public water-supply wells downgradient of the site. Prepared work plans and reports for the delineation of on-site and off-site groundwater plumes.
- Principal Modeler, groundwater flow at a Superfund site (No. 5 on NPL) in Massachusetts. This project involved modeling to determine the interaction between groundwater and surface water in a stratified drift aquifer.
- Principal Modeler, groundwater flow and solute transport at a large waste-water treatment facility in Vigo County, Indiana. Project included delineating flowpaths from large retention ponds to determine whether ponds were sources for contamination to off-site private supply wells.
- Directed research into the use of naturally-occurring radium isotopes, tritium and radiocarbon to date shallow groundwater for flow model calibration in the Upper Glacial aquifer on Long Island, New York.

ROUX

Professional Profile

William J. Holubowich
Senior Scientist

Technical Specialties:
Environmental soil and groundwater investigations, Phase I and Phase II environmental site assessments, CERCLA and USEPA AAI due diligence assessments, UST investigations, RCRA closure, regulatory compliance, health and safety and asbestos inspection, and management planning.

Experience Summary:
20 years of government and consulting industry experience in subsurface environmental investigations, site assessments, regulatory compliance, hazardous waste characterization, management and disposal, occupational and environmental health and safety, and the management and remediation of asbestos containing materials. Professional positions held: Assistant Director of Safety for Loews Corporation; Public Health Sanitarian for the New York City Department of Health, Environmental Services Unit; Staff Scientist and Project Scientist for ARCADIS Geraghty & Miller; and Senior Scientist for Roux Associates, Inc.

Credentials:
M.S., Behavioral Science, New York Institute of Technology, 1984
B.S., Biology and Health Education, City University of New York, Queens College, 1980
Public Health Sanitarian Training, NYCDOH, Health Services Academy, 1984
Certified Environmental Auditor (CEA), National Registry of Environmental Professionals
USEPA AHERA, NYSDOH, Asbestos Inspector
OSHA 40-Hour HAZWOPER Training
OSHA 8-Hour Refresher Training, Certificate Current
OSHA Permit Required Confined Space Entry Training, Certificate Current
Subsurface Investigator Training, NJDEP, 1994
UST Training, NJDEP, 1994
Federal Railroad Administration (FRA) – Contractor Safety Training for CSX and Amtrak, Certificate Current

Professional Affiliations:
National Registry of Environmental Professionals (NREP)
National Environmental Health Association (NEHA)
National Association of Environmental Professionals (NAEP)

Key Projects:

- Senior Environmental Project Manager for a multi-facility defense industry contractor RCRA closure project. Responsible for managing all phases of the Phase I and Phase II environmental site assessments, soil and groundwater sampling, regulatory compliance, report preparation and submission, and negotiating with county, state, and federal regulatory agency personnel to obtain satisfactory site closure and "no further action" status for the client.

- Senior Environmental Project Manager for a worldwide multi-national environmental due diligence project. Responsibilities included coordinating site inspections and sub-surface investigations for a dozen industrial facilities located in Poland, Italy, Germany, and France. Planned site inspection format, sub-surface investigation scopes of work, reviewed laboratory data, developed reporting format, and acted as senior reviewer on all final investigation reports.

- Senior Environmental Project Manager responsible for design, implementation, and management of numerous underground storage tank closure and site characterization projects in New York, New Jersey, Pennsylvania, and Connecticut.

- Planned and managed 50 Phase I and Phase II site assessments for a national broadcasting company as part of their purchase of 50 broadcast and transmission tower facilities throughout the United States and Puerto Rico.

- Planned and participated in the RCRA investigation and site closure of three defense industry facilities for Northrop Grumman, Lockheed Martin, and AIL. Constituents of concern included VOCs, SVOCs, PCBs, and metals in soil and groundwater.

- Responsible for the development of site-specific Health and Safety Plans (HASPs) for numerous subsurface investigations, UST removals, soil excavation, and building decommissioning projects.

- Prepared work plans for various Remedial Investigations (RIs) involving aerospace industry facilities and national railroad facilities in Long Island and Queens.

- Planned, managed, and conducted Phase I environmental site assessments in Canada, US, and Puerto Rico for real estate development firm. Included site inspections, interviews with site representatives, regulatory agency representatives, document reviews, and report preparation and submission.

- Developed a client-specific reporting format and conducted due diligence/peer review (under continuous contract) of environmental investigation reports on behalf of a premiere financial lending institution.

- Conducted numerous asbestos, lead-based paint, and mold inspections of dozens of industrial, commercial, and residential facilities throughout the northeast for various clients, including real estate developers, banks, lending institutions, and attorneys.

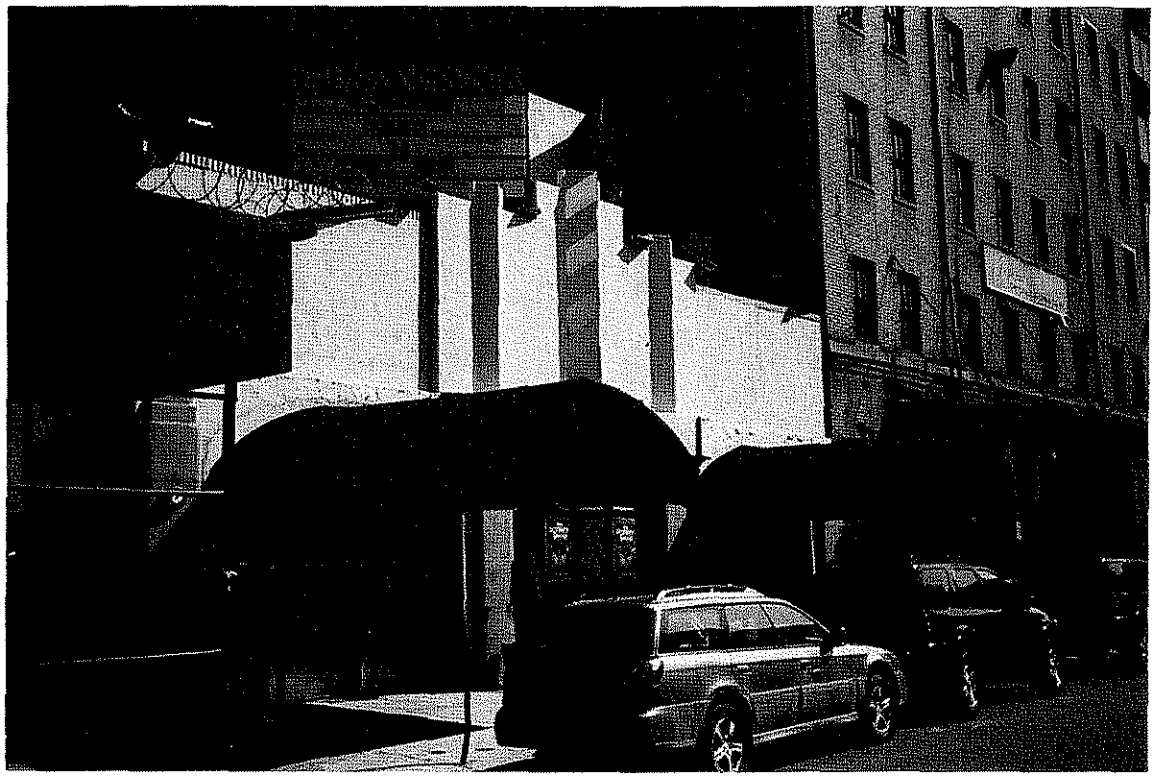
- Assisted in the design, development, and installation of a vacuum-enhanced recovery system for the remediation of an oil-contaminated groundwater plume. Responsible for monthly monitoring, sampling, and regulatory agency reporting requirements.

- Planned, conducted, and managed (under and on-going contract) leaking underground oil storage tank investigations for a national insurance company. Responsibilities include supervising drill rig crews, laboratory data review, negotiating with regulatory agency representatives, and report preparation and submission.

- Conducted compliance audits of de-icing procedures at 15 northeastern local and international airports for a major airline. Conducted site visits, interviews with responsible personnel, review of related de-icing documents, procedures, and policies, and prepared a summary report.

APPENDIX B

Site Photographs

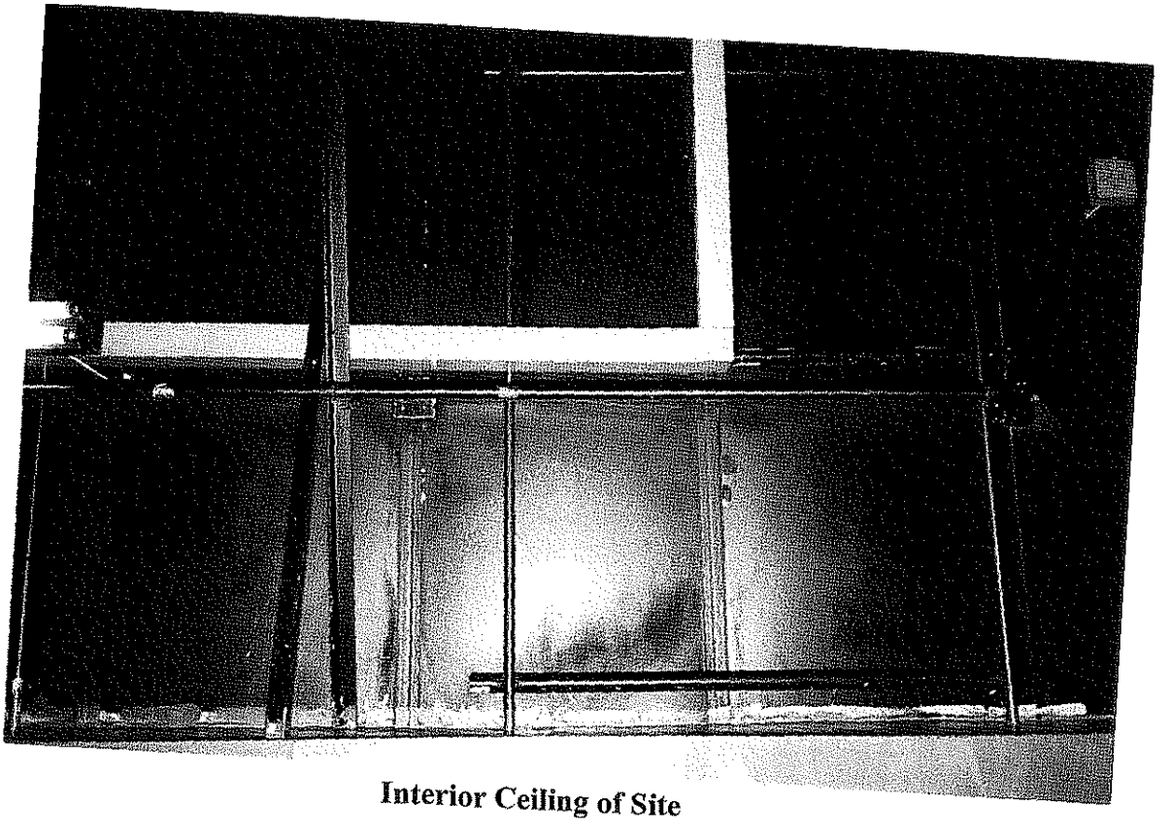


Site, 21st Street Entrance

View Looking West From Site Towards 11th Avenue and the Chelsea Piers

View Looking East From Site Towards Highline and 10th Avenue

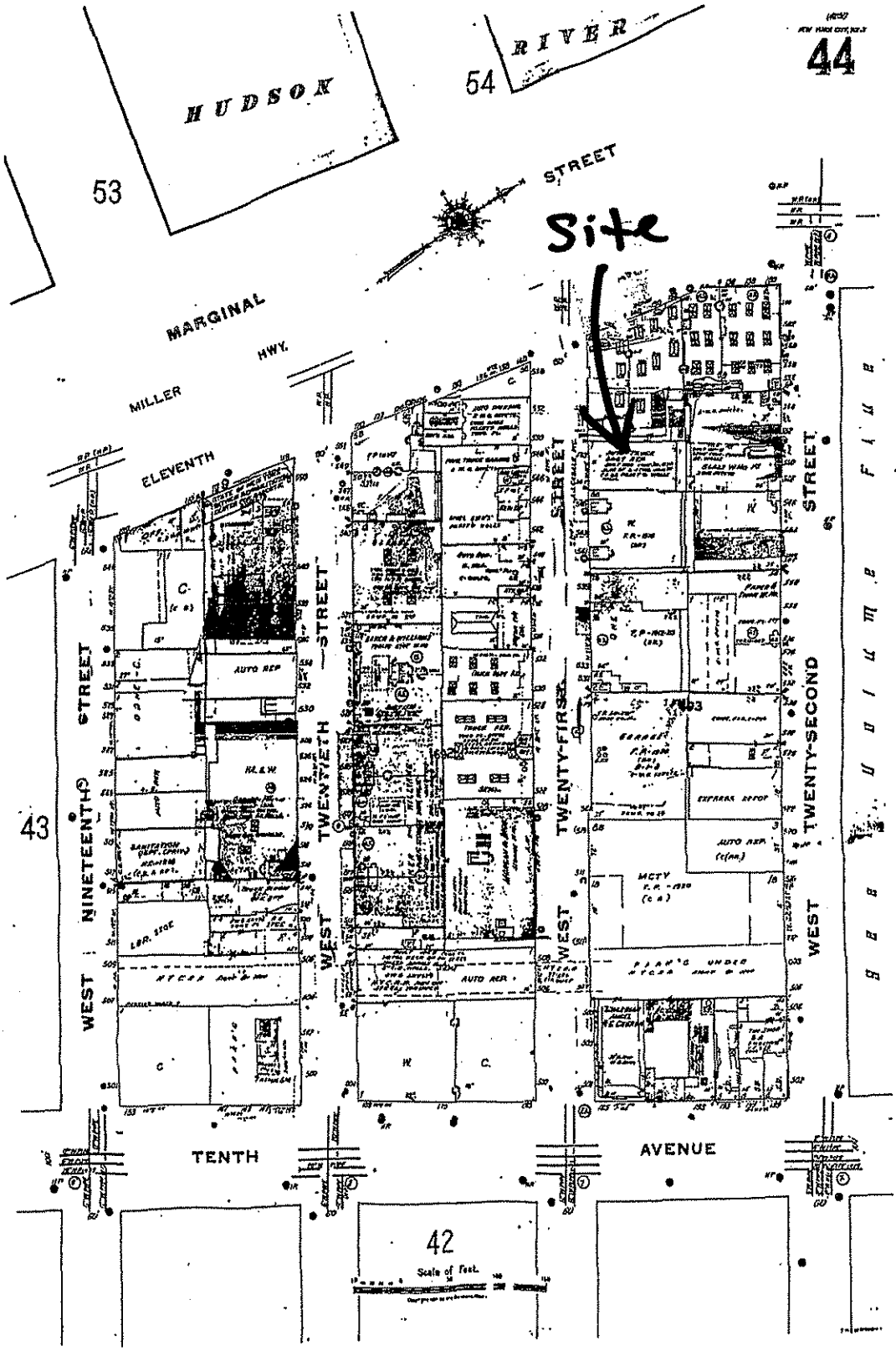
Liquor Bar Interior Of Site



Interior Ceiling of Site

APPENDIX C

Sanborn Fire Insurance Maps



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Year EDR Research Associate

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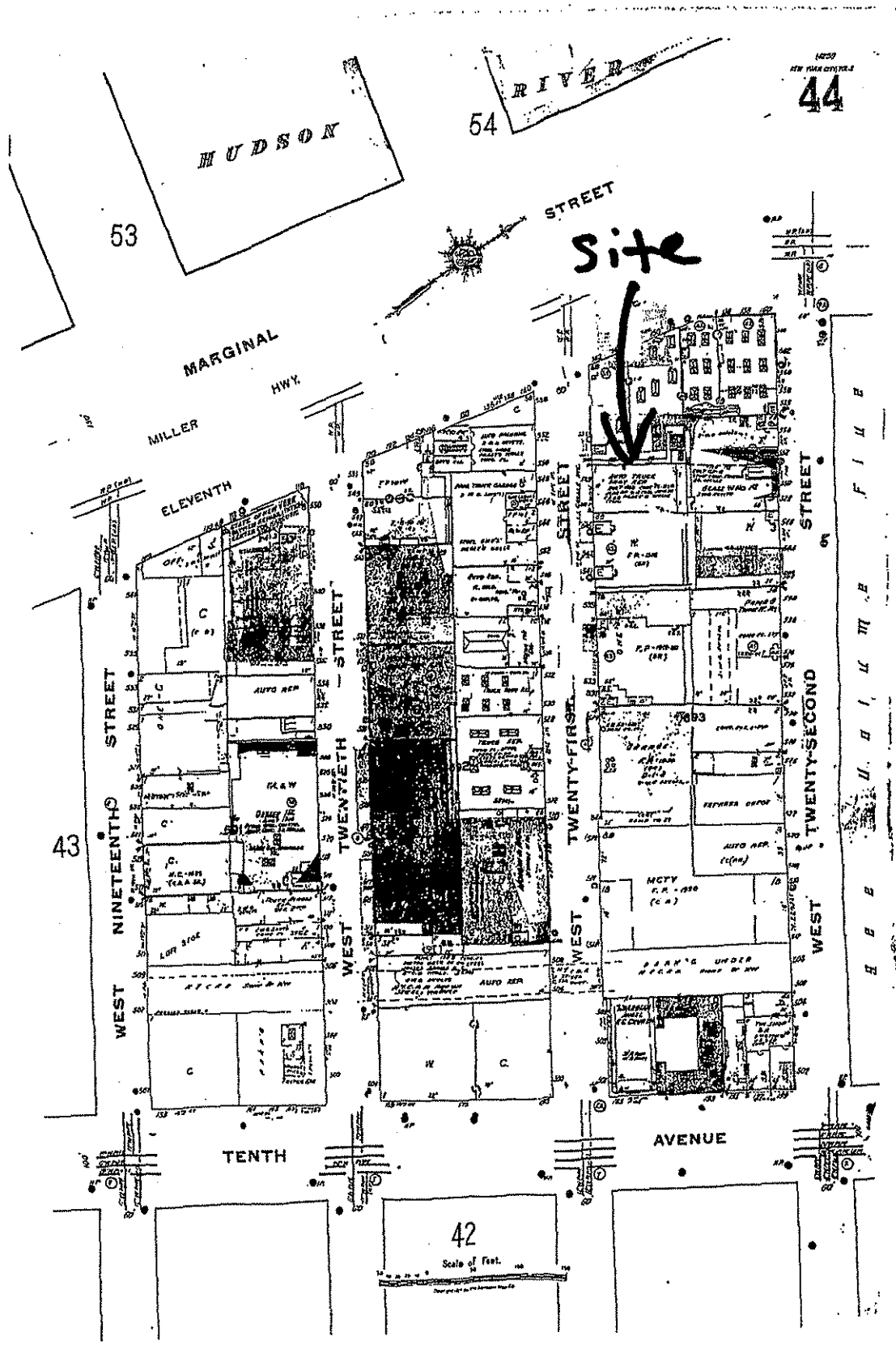

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Year EDR Research Associate

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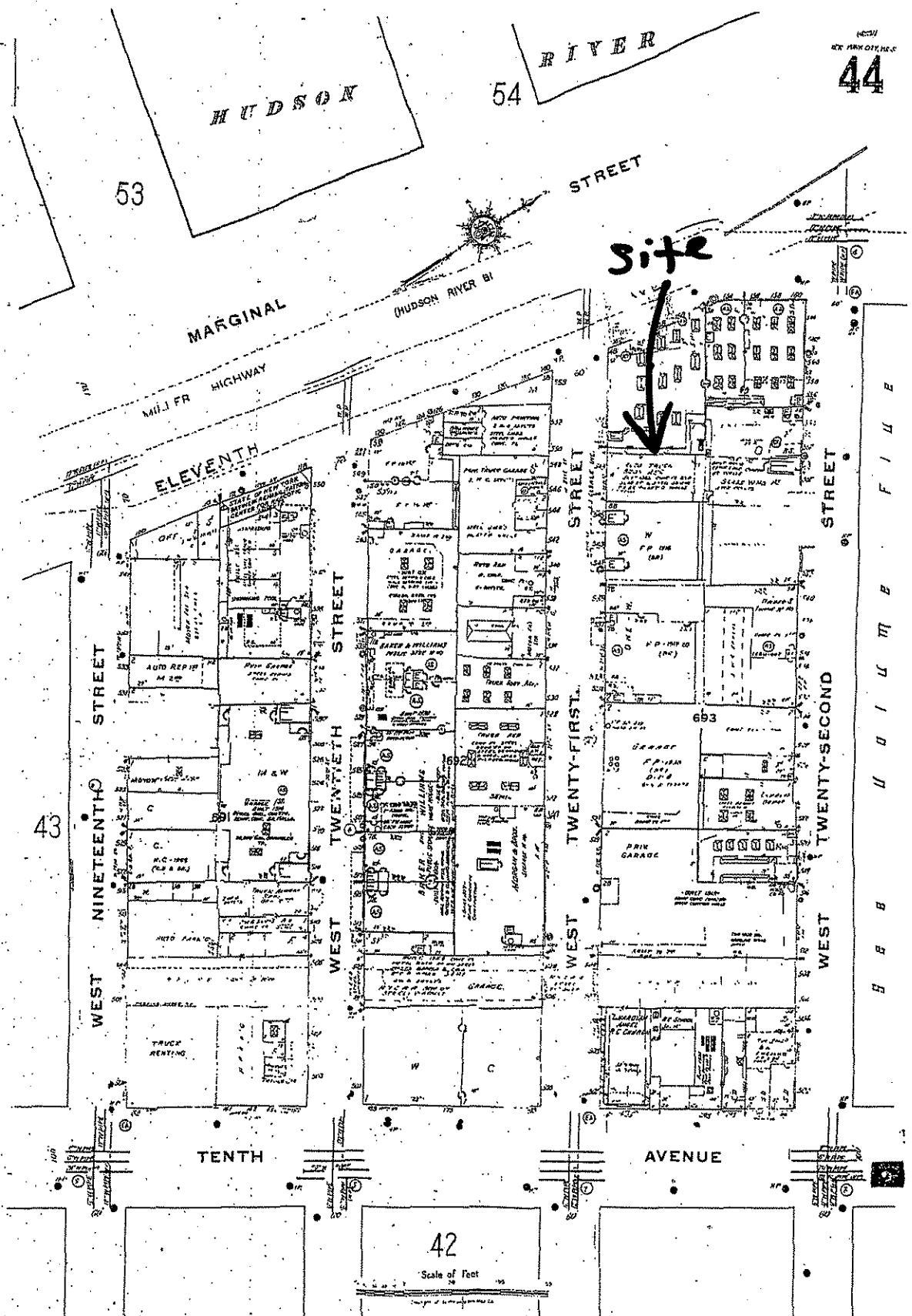

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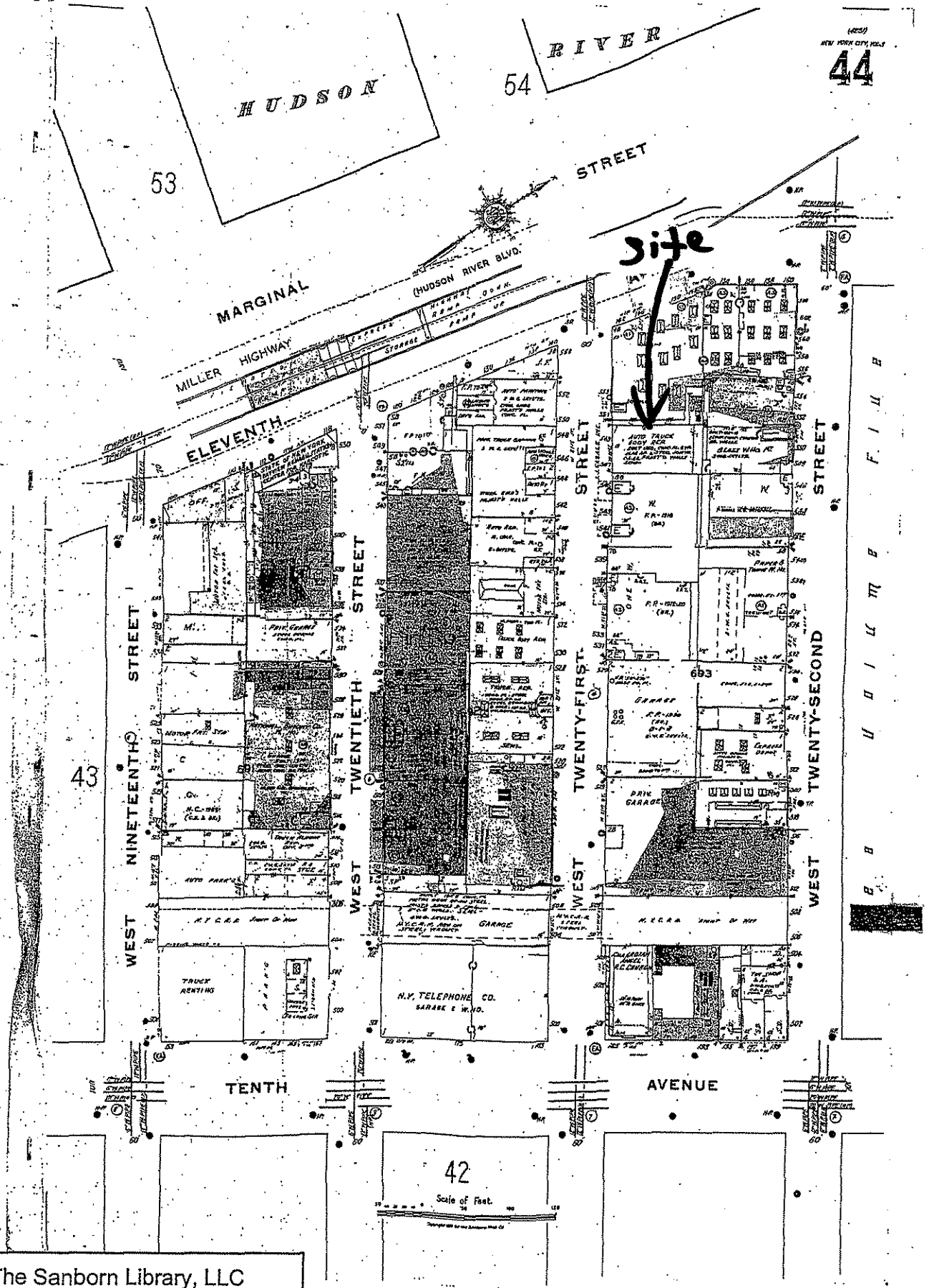

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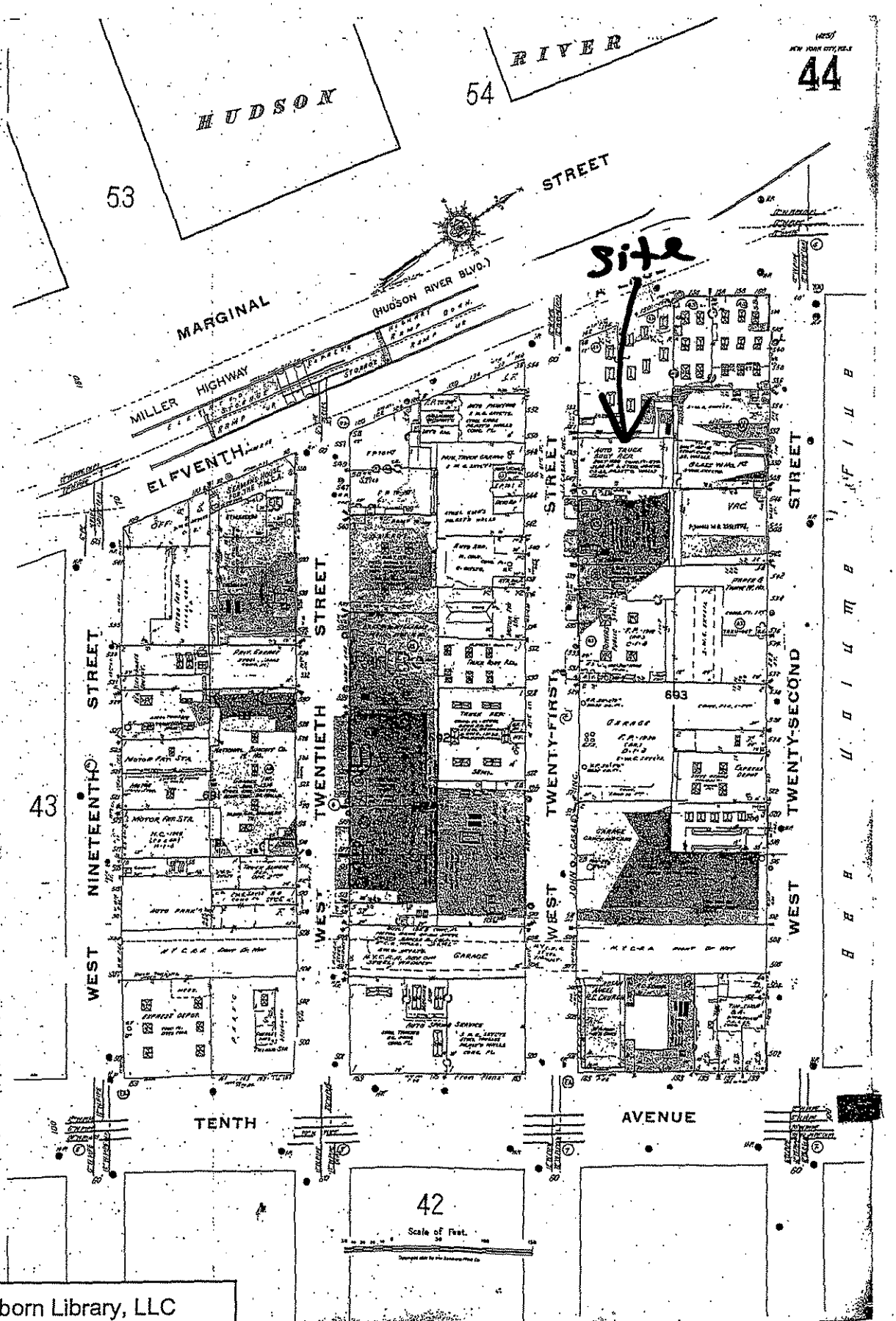

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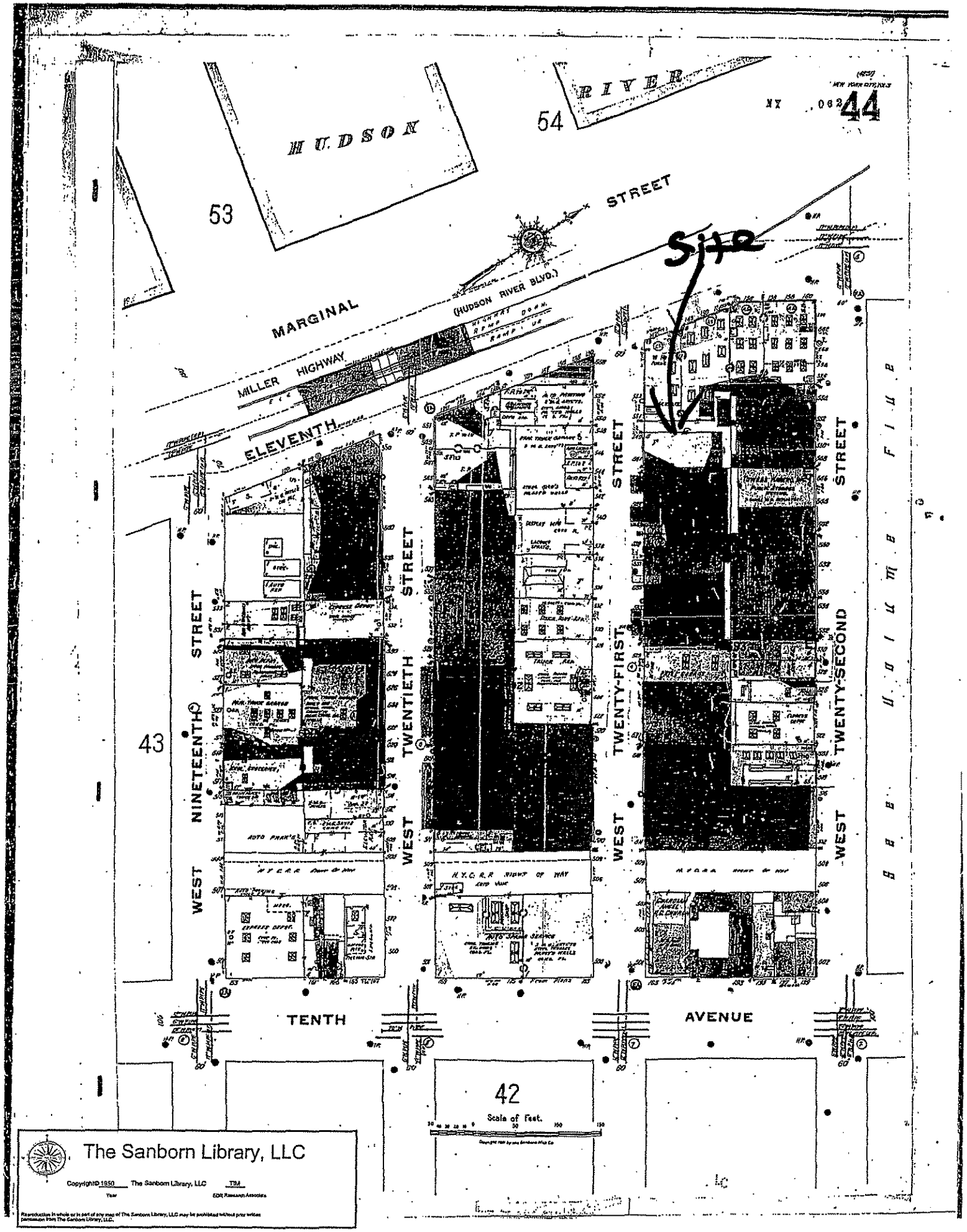
NEW YORK CITY, N.Y.
NY .062 44
HUDSON
RIVER
54
53
STREET
Site
MARGINAL
(HUDSON RIVER BLVD.)
MILLER HIGHWAY
ELEVENTH
STREET
NINETEENTH
STREET
WEST
TWENTIETH
STREET
WEST
TWENTY-FIRST
STREET
WEST
TWENTY-SECOND
STREET
WEST
HUDSON RIVER
43
42
TENTH
AVENUE
Scale of Feet.
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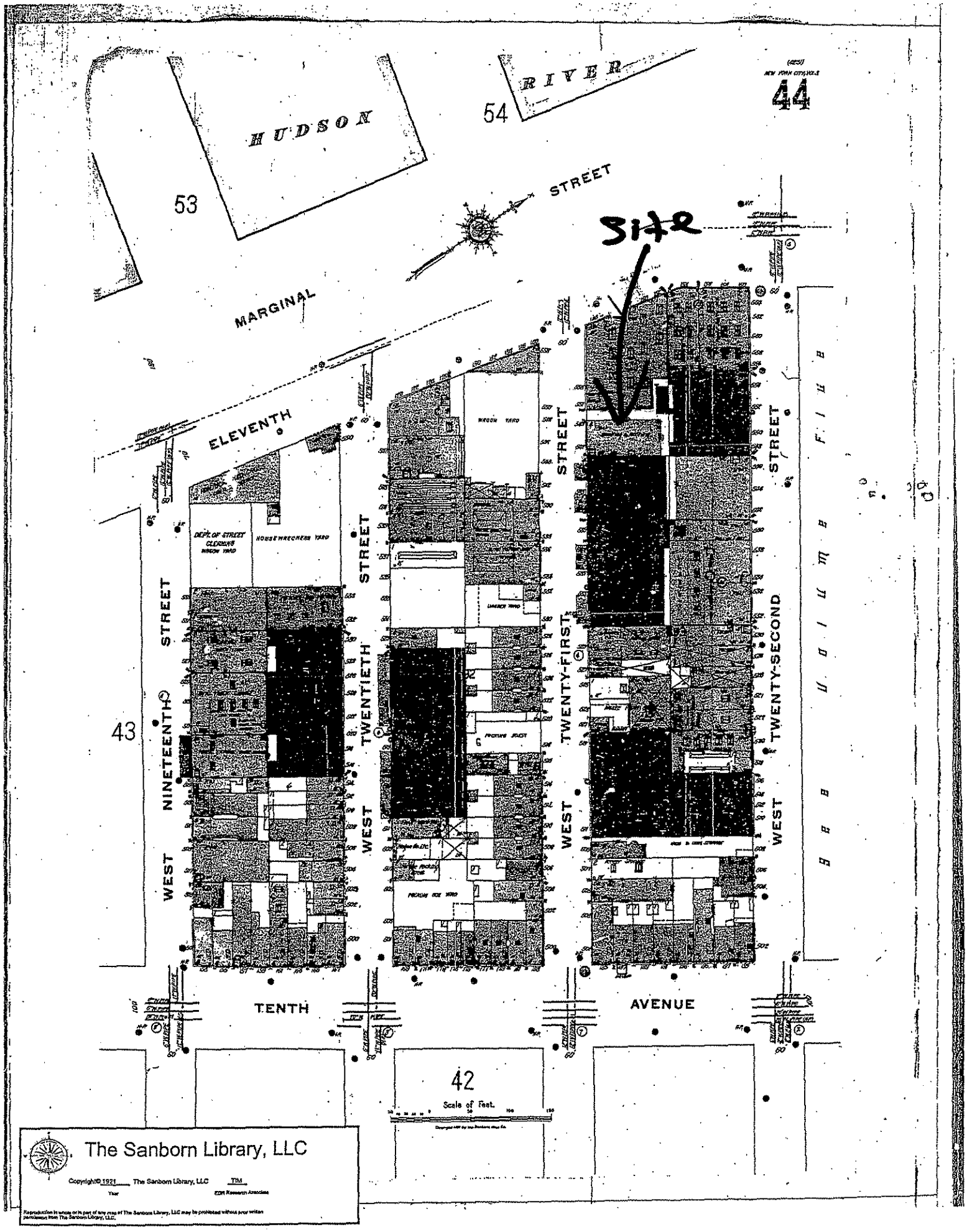
44
HUDSON
RIVER
54
53
STREET
SITE
MARGINAL
ELEVENTH
DEPT. OF STREET CLEANING WAGON YARD
HOUSEWRECKERS YARD
WAGON YARD
STREET
STREET
STREET
NINETEENTH
WEST
TWENTIETH
WEST
TWENTY-FIRST
WEST
TWENTY-SECOND
WEST
43
FIFTH
AVENUE
TENTH
AVENUE
42
Scale of Feet.
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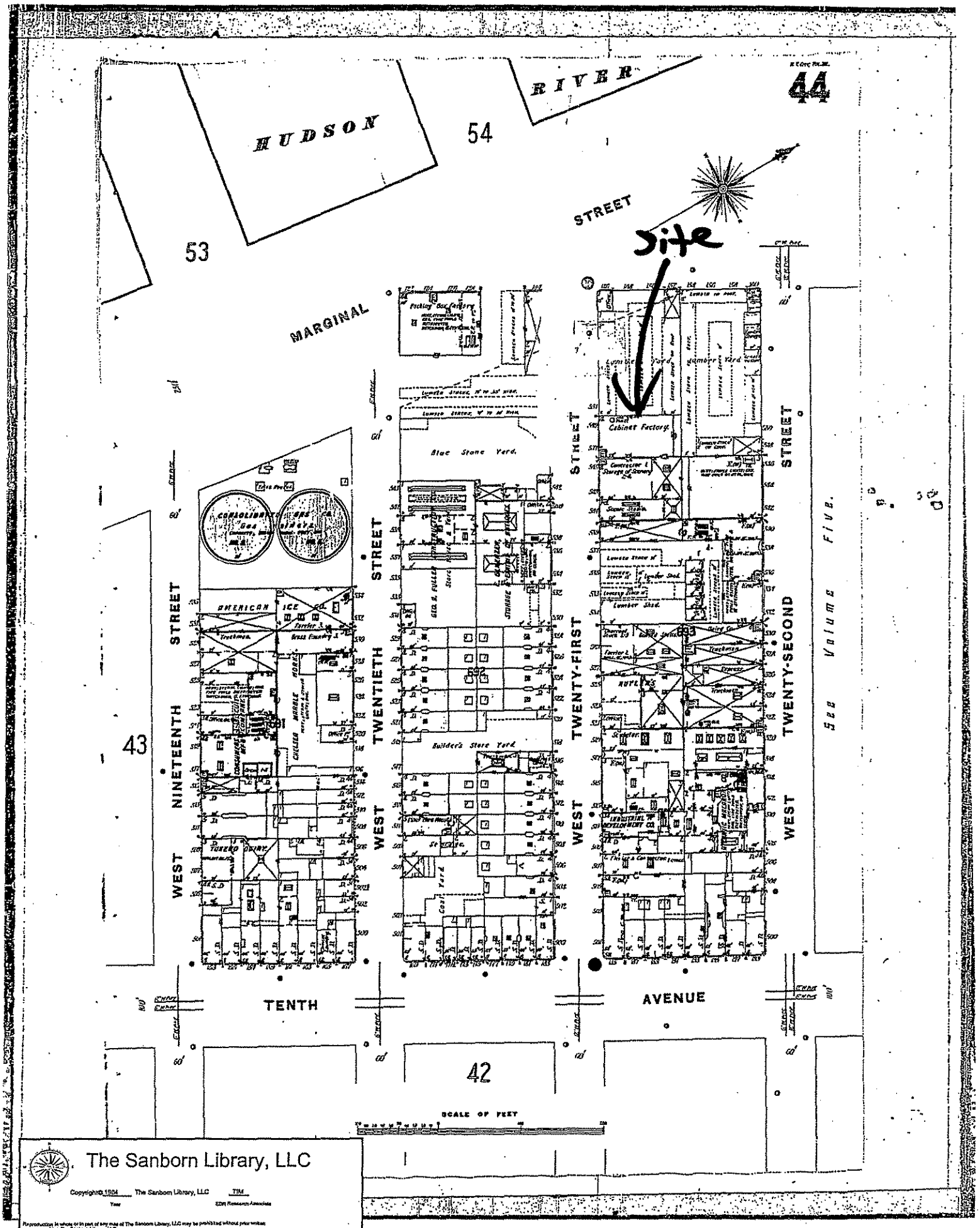

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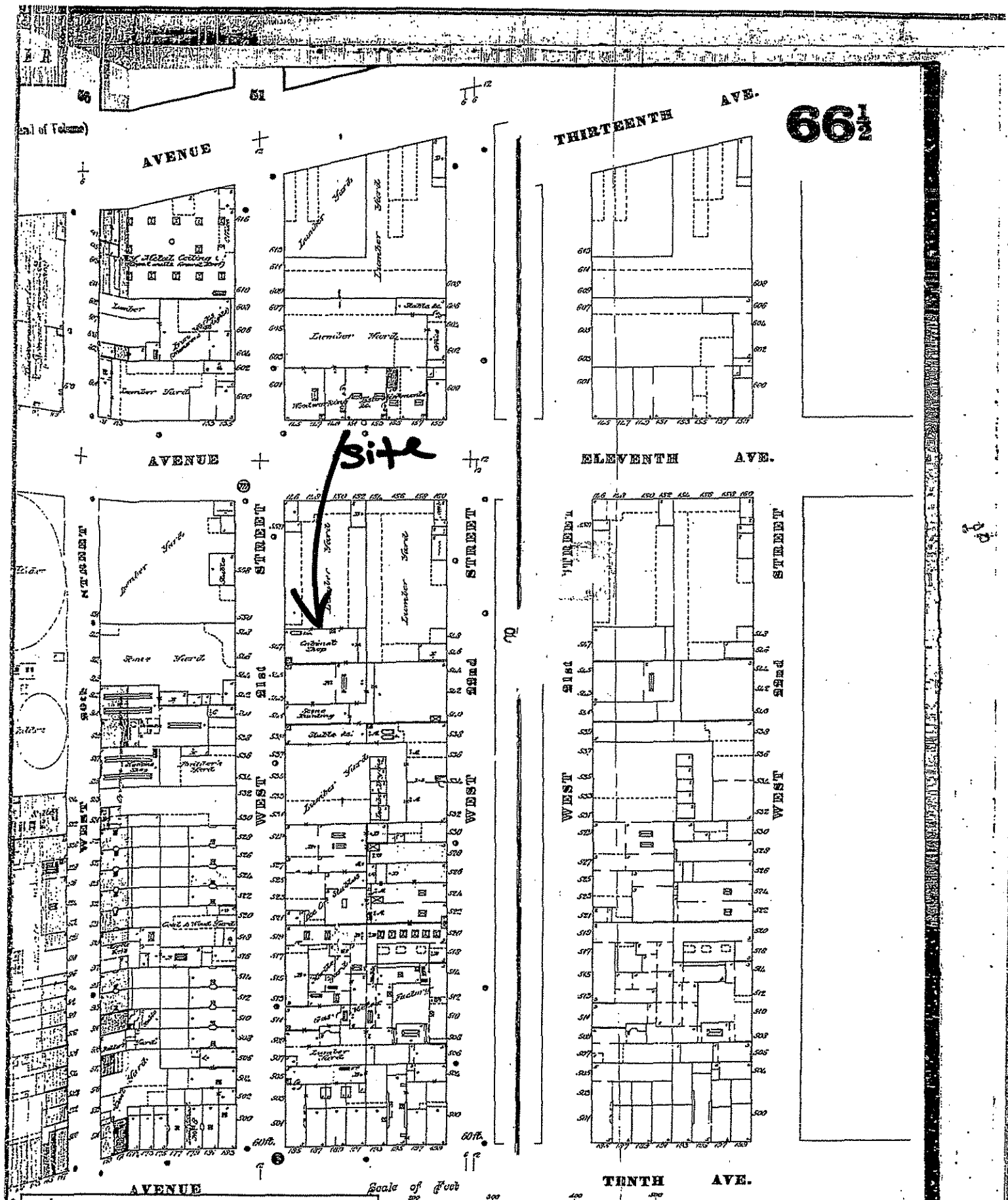

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APPENDIX D

Aerial Photographs

INQUIRY #: 1358844.5

YEAR: 1995

SCALE: 1"= 833'

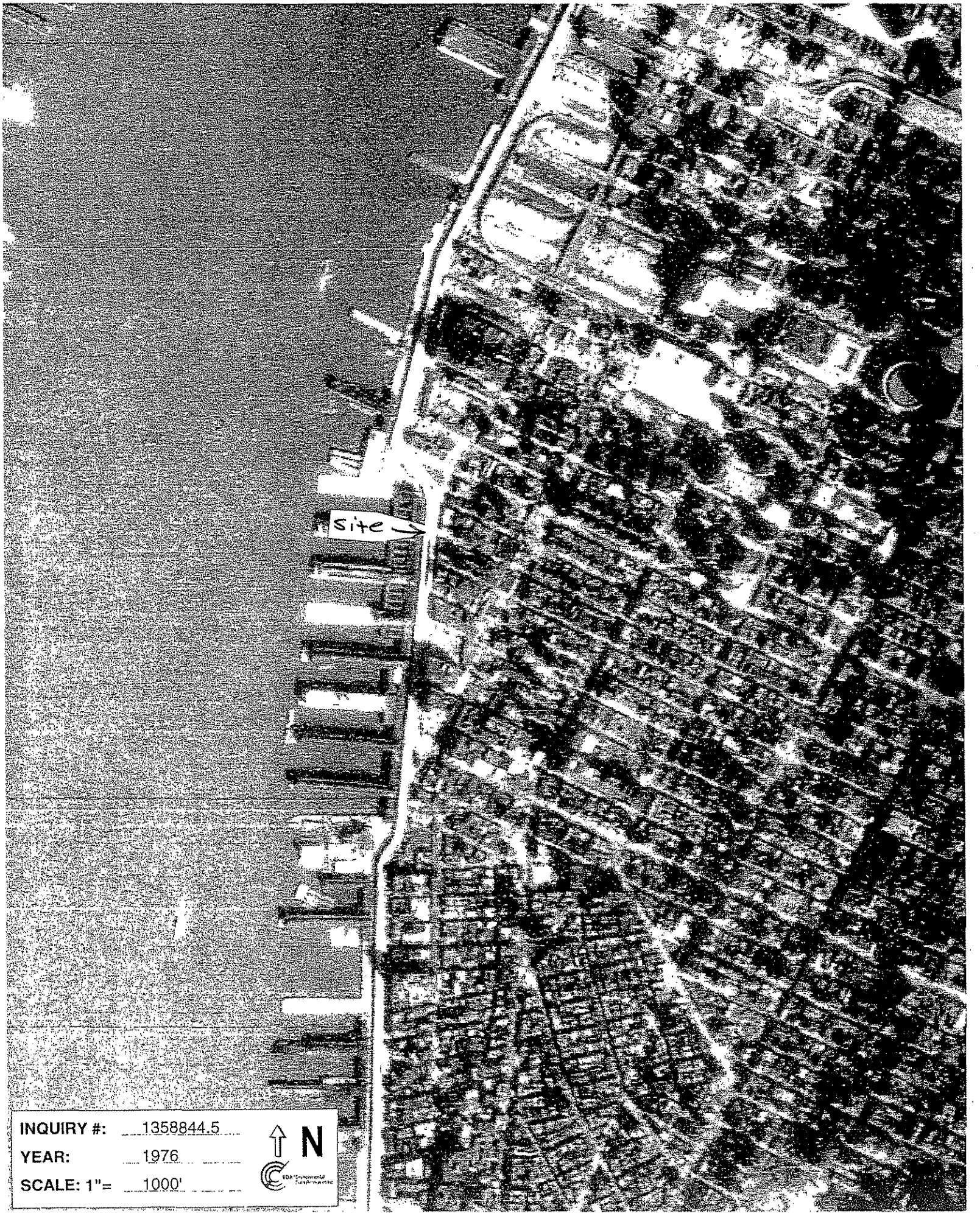
N

INQUIRY #: 1358844.5

YEAR: 1985

SCALE: 1"= 1000'

N



INQUIRY #: 1358844.5

YEAR: 1976

SCALE: 1"= 1000'

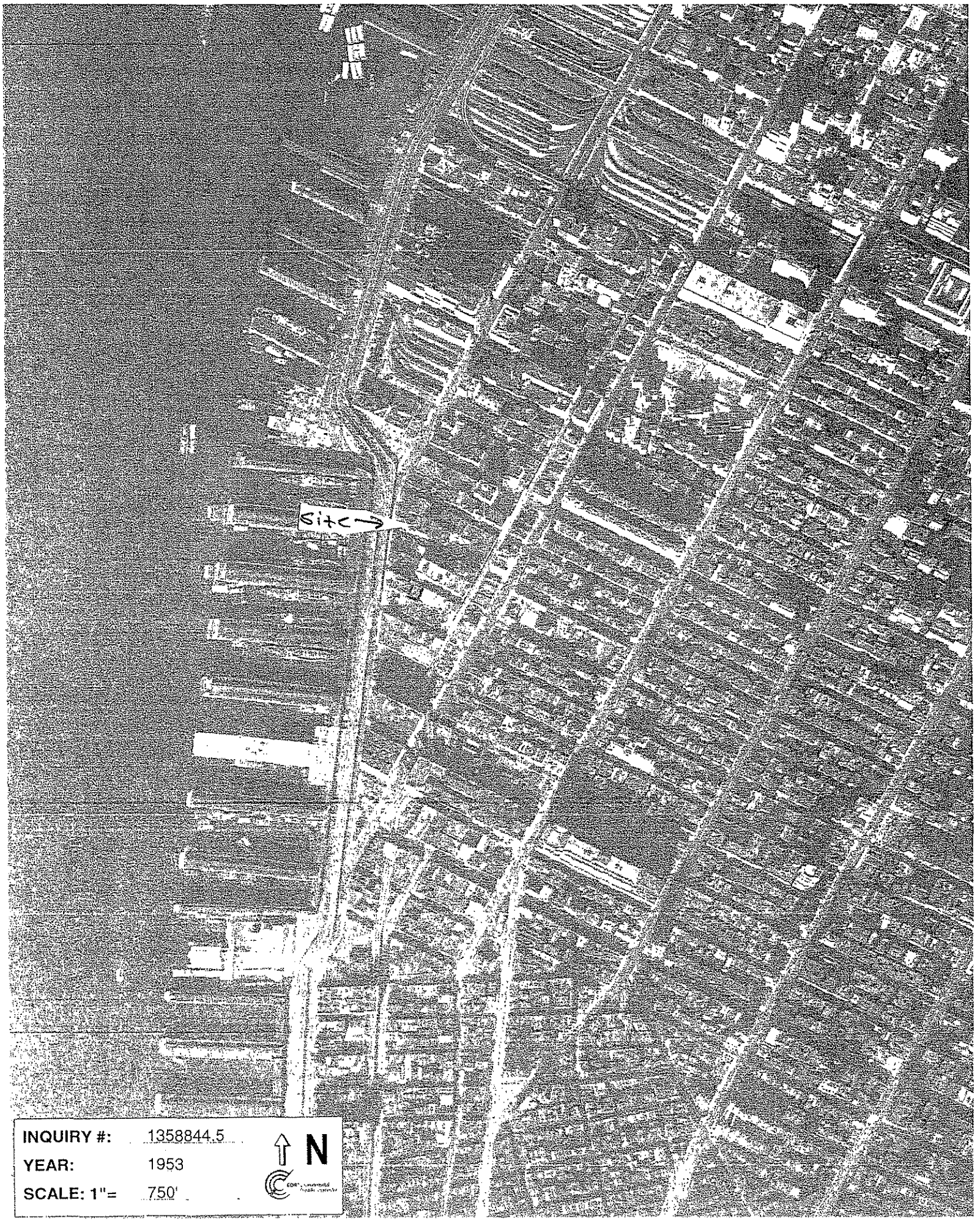
N

INQUIRY #: 1358844.5

YEAR: 1966

SCALE: 1"= 750'

N

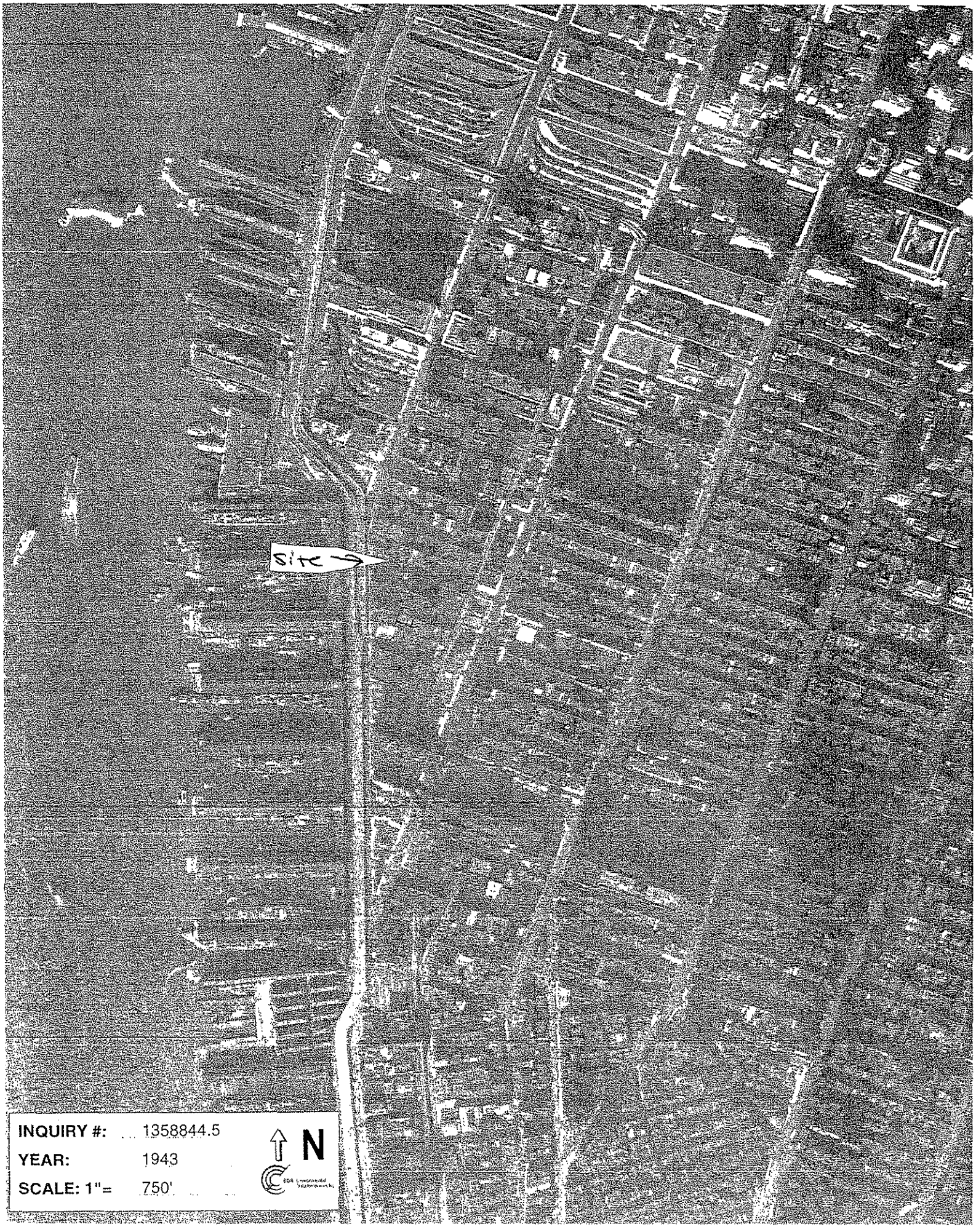


INQUIRY #: 1358844.5

YEAR: 1953

SCALE: 1"= 750'

N



INQUIRY #: 1358844.5

YEAR: 1943

SCALE: 1"= 750'

N

APPENDIX E

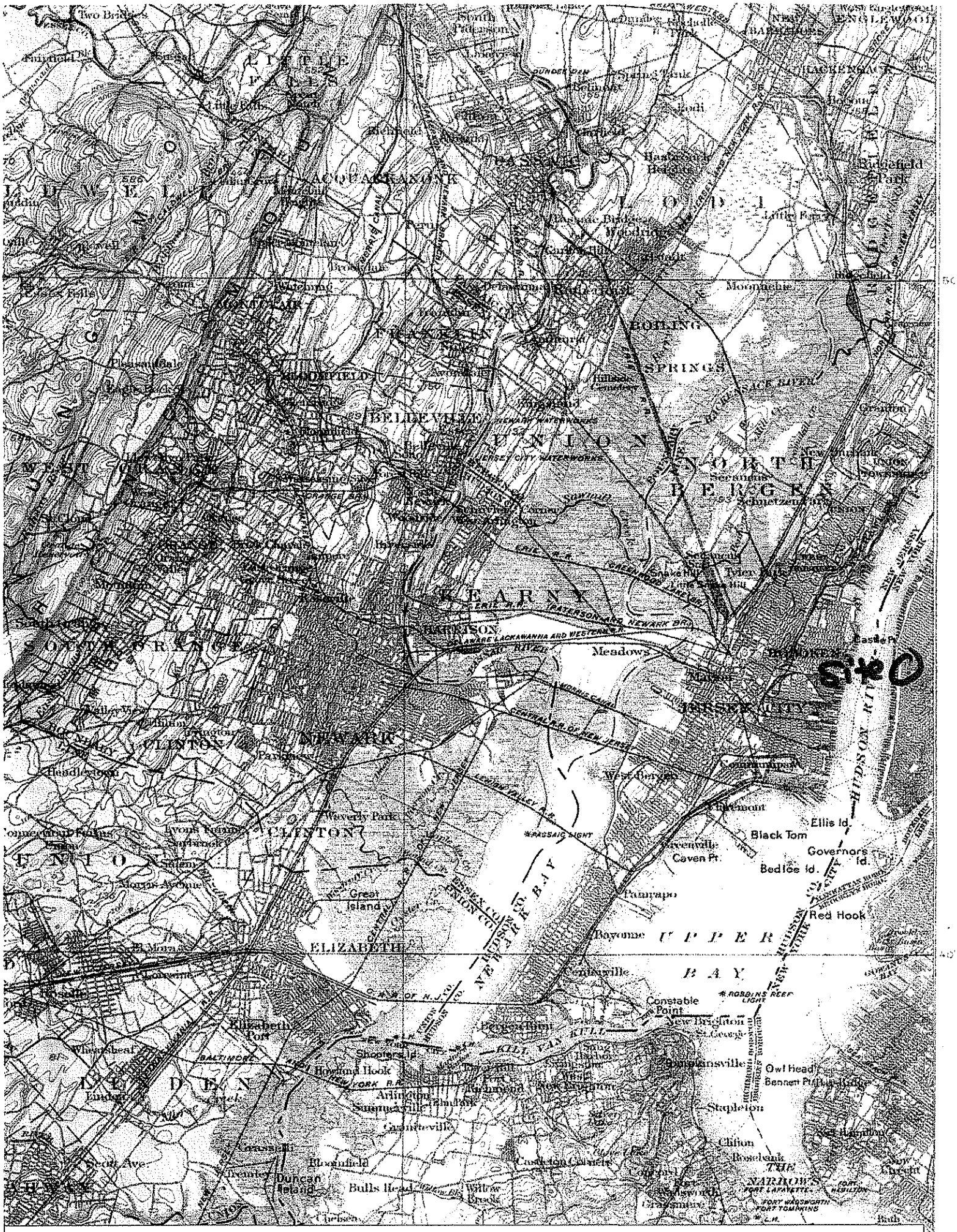
Historical Topographic Maps

N ^ EDR INQUIRY# 1358844.4 TARGET QUAD: JERSEYCITY PHOTOREVISED: 1967-1981 Series: 7.5' Scale: 1:24,000

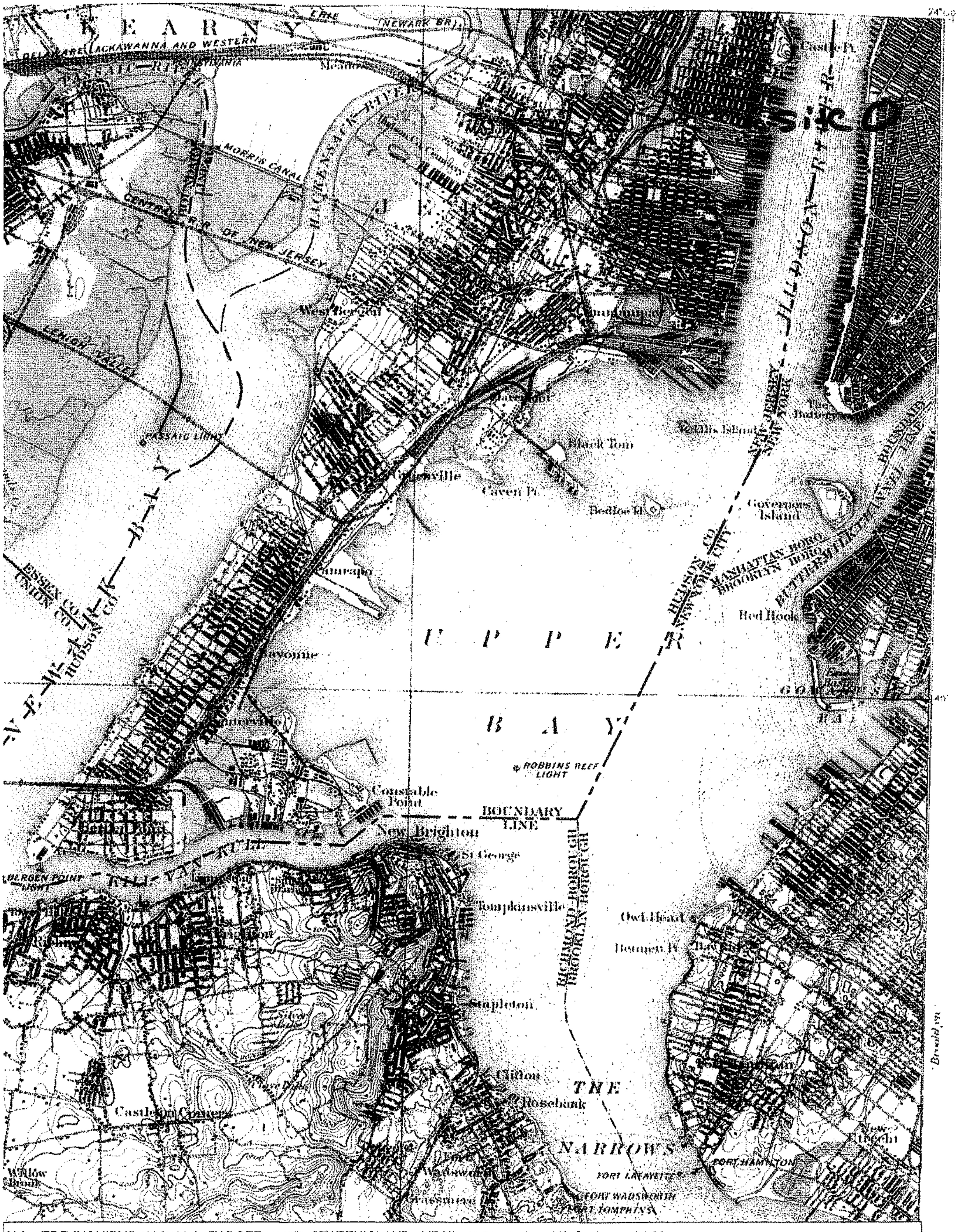
N ^ EDR INQUIRY# 1358844.4 TARGET QUAD: JERSEYCITY YEAR: 1967 Series: 7.5' Scale: 1:24,000

N ^ EDR INQUIRY# 1358844.4 TARGET QUAD: JERSEYCITY YEAR: 1955 Series: 7.5' Scale: 1:24,000

N ^ EDR INQUIRY# 1358844.4 TARGET QUAD: JERSEYCITY YEAR: 1947 Series: 7.5' Scale: 1:25,000



N ^ EDR INQUIRY# 1358844.4 TARGET QUAD: PASSAIC YEAR: 1905 Series: 30' Scale: 1:125,000



N ^ EDR INQUIRY# 1358844.4 TARGET QUAD: STATENISLAND YEAR: 1900 Series: 15' Scale: 1:62,500

APPENDIX F

Federal and State Environmental Databases

The EDR Radius Map
with GeoCheck®

532 West 20th St
532 West 20th St
New York, NY 10011

Inquiry Number: 01358844.2r

February 11, 2005

EDR™ Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORM-GIL

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EPA Waste Codes	EPA-1
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
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Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-16

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

532 WEST 20TH ST
NEW YORK, NY 10011

COORDINATES

Latitude (North):	40.746105 - 40' 44' 46.0"
Longitude (West):	74.006246 - 74' 0' 22.5"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	583899.0
UTM Y (Meters):	4510836.5
Elevation:	10 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	40074-F1 JERSEY CITY, NJ NY
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
532 W 20TH ST 532 W 20TH ST MANHATTEN, NY	NY Spills	N/A
CON ED - V 4289 532 W 20 ST NEW YORK, NY 10011	RCRA-SQG	NYP000928655
CON ED - V 4289 532 W 20 ST NEW YORK, NY 10011	FINDS	110017241509

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SHWS..... Inactive Hazardous Waste Disposal Sites in New York State
CBS UST..... Chemical Bulk Storage Database
MOSF UST..... Major Oil Storage Facilities Database
SWTIRE..... Registered Waste Tire Storage & Facility List
SWRCY..... Registered Recycling Facility List

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
Delisted NPL..... National Priority List Deletions
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
PADS..... PCB Activity Database System
INDIAN RESERV..... Indian Reservations
FUDS..... Formerly Used Defense Sites
UMTRA..... Uranium Mill Tailings Sites
ODI..... Open Dump Inventory
DOD..... Department of Defense Sites
RAATS..... RCRA Administrative Action Tracking System
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems
FTTS INSP..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

HSWDS..... Hazardous Substance Waste Disposal Site Inventory
AST..... Petroleum Bulk Storage
MOSF AST..... Major Oil Storage Facilities Database
DEL SHWS..... Delisted Registry Sites
AIRS..... Air Emissions Data
SPDES..... State Pollutant Discharge Elimination System

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites
Brownfields..... Brownfields Site List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

EXECUTIVE SUMMARY

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.

FEDERAL ASTM STANDARD

RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 11/23/2004 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
OXYGEN MEDIA	***448 W 16TH ST***	***1/8 - 1/4 S***	***W105***	***175***

RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 11/23/2004 has revealed that there are 33 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MUCCIO JOHN	***528 W 19TH ST***	***0 - 1/8 SSW***	***E16***	***30***
GETTY PETROLEUM CORP 58542	***152 10TH AVE***	***0 - 1/8 SSE***	***F20***	***34***
EMPIRE CITY SUBWAY CO LTD	***177-183 10TH AVE***	***0 - 1/8 E***	***G22***	***40***
HENRY & LLOYD CO THE	***507 W 21ST ST***	***0 - 1/8 ENE***	***G35***	***63***

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MENDON LEASING CORP	*515 W 18TH ST*	*0 - 1/8 SSW*	*I43*	*70*
TOSCO #34649	*215 10TH AVE*	*1/8 - 1/4 NE*	*J53*	*87*
EDISON PARK FAST	*527 W 23RD ST*	*1/8 - 1/4 NNE*	*M58*	*103*
EMSIG MFG CORP	*521 W 23RD ST*	*1/8 - 1/4 NNE*	*M73*	*132*
METROPOLITAN OLDSMOBILE INC	*440 W 19TH ST*	*1/8 - 1/4 SE*	*75*	*134*
MENDON LEASING CORP	*440 W 18TH ST*	*1/8 - 1/4 SSE*	*O77*	*137*
NORTHEAST LABORATORY - DRUG EN	*99 10TH AVE ROOM 721*	*1/8 - 1/4 SSW*	*P78*	*142*
ABLE EMPIRE GROUP	*99 TENTH AVE*	*1/8 - 1/4 SSW*	*P80*	*143*
23RD STREET VENTURE LLC	540 W 24TH ST	1/8 - 1/4 NNE	85	149
GENERAL THEOLOGIEAL SEMINARY	*175 9TH AVE*	*1/8 - 1/4 ESE*	*U98*	*167*
NYCHA - FULTON HOUSES	*427-431 W 17TH ST*	*1/8 - 1/4 SSE*	*99*	*167*
FREEDMAN CUT-OUTS	*455 W 16TH ST*	*1/8 - 1/4 S*	*W103*	*174*
TAMARA DRY CLEANERS	*126 9TH AVENUE*	*1/8 - 1/4 SE*	*X106*	*176*
MANHATTAN FRENCH CLEANERS	198 9TH AVE	1/8 - 1/4 E	Z109	178
V0600	81 10TH AVENUE	1/8 - 1/4 SSW	AB121	220

Lower Elevation	Address	Dist / Dir	Map ID	Page
NYCDOC - BAYVIEW CORRECTIONAL	550 W 20TH ST	0 - 1/8 WNW	C8	14
HERTZ PENSKE TRUCK LEASING INC	*542 W 21ST ST*	*0 - 1/8 N*	*D25*	*43*
PENSKE TRUCK LEASING CO L P	*550 W 21ST ST*	*0 - 1/8 N*	*38*	*65*
RATHE PRODUCTIONS INCORPORATED	*555 WEST 23RD STREET*	*1/8 - 1/4 N*	*N66*	*122*
U-HAUL CENTER CHELSEA	*562 W 23RD ST*	*1/8 - 1/4 N*	*N70*	*128*
CHELSEA PIERS CO	*23RD ST HUDSON RIVER PI*	*1/8 - 1/4 W*	*S87*	*155*
CON EDISON - PIER 62	*W MARGINAL & W 20TH ST*	*1/8 - 1/4 W*	*S88*	*155*
LEVEL 3 COMMUNICATIONS	*85 10TH AVE 1ST FLOOR*	*1/8 - 1/4 SSW*	*T93*	*163*
LODO REALTY	*85 10TH AVE - 3RD FLOOR*	*1/8 - 1/4 SSW*	*T94*	*164*
MANARK ASSOCIATES DIP	*85 10TH AVE*	*1/8 - 1/4 SSW*	*T95*	*164*
EVERGREENE PAINTING STUDIOS	*635 W 23RD ST*	*1/8 - 1/4 NNW*	*V101*	*168*
NYCTA	*W 15TH ST & 11TH AVE*	*1/8 - 1/4 SSW*	*Y114*	*198*
NYSDOT - RTE 9A RECONSTRUCTION	*RTE 9A BLOCK 686 LOT 29*	*1/8 - 1/4 NNW*	*116*	*200*
USPS - NEW YORK VMF	*201 11TH AVE*	*1/8 - 1/4 N*	*AA118*	*205*

STATE ASTM STANDARD

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.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 2 SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CON EDISON WEST 28TH STREET	*281 11TH AVENUE*	*1/4 - 1/2 N*	*AH149*	*267*
RED BALL INTERIOR DEMOLITION	625 WEST 29 STREET	1/4 - 1/2 N	162	287

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

A review of the LTANKS list, as provided by EDR, and dated 11/15/2004 has revealed that there are 70

EXECUTIVE SUMMARY

LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
535 EAST 21ST STREET	535 EAST 21ST STREET	0 - 1/8 NNE	D12	19
528 WEST 19TH ST/MANH	528 WEST 19TH STREET	0 - 1/8 SSW	E18	31
GETTY 58542	***152 TENTH AVE***	***0 - 1/8 SSE***	***F21***	***34***
152-156 TENTH AVE/MANHATT	152-156 TENTH AVENUE	0 - 1/8 SSE	F24	42
501-513 W. 19TH STREET	513 W. 19TH STREET	0 - 1/8 S	E30	53
507 WEST 21ST STREET	507 WEST 21ST STREET	0 - 1/8 ENE	G33	56
193 10TH AVE	193 10TH AVE	0 - 1/8 ENE	42	69
MENDON LEASING CORP.	515 WEST 18TH STREET	0 - 1/8 SSW	I46	76
AUTO CARE WEST	458-460 WEST 18TH ST	1/8 - 1/4 SSE	L56	100
MENDON LEASING CORP	527 WEST 23RD STREET	1/8 - 1/4 NNE	M59	103
EDISON PARKING GARAGE	527 WEST 23RD ST	1/8 - 1/4 NNE	M60	104
TANKFAILED MENDON LEASING	527 W. 23 ST.	1/8 - 1/4 NNE	M61	105
EDISON PARKING GARAGE	527 WEST 23RD ST	1/8 - 1/4 NNE	M63	114
MENDEN LEASING	523 W 23RD ST	1/8 - 1/4 NNE	M72	131
Not reported	537 -541 W. 24TH ST	1/8 - 1/4 NNE	76	135
FREEDMAN CUTOUTS	444 WEST 17TH STREET	1/8 - 1/4 SSE	81	144
DR. SERSINI	415 WEST 21ST STREET	1/8 - 1/4 ESE	Q82	145
415 W. 21ST STREET	415 W. 21ST STREET	1/8 - 1/4 ESE	Q83	146
239 10TH AVE/MANH/GETTY	239 10TH AVENUE	1/8 - 1/4 NE	R89	156
GETTY GAS STATION	239 10 AV	1/8 - 1/4 NE	R91	162
239 10TH AVENUE/GETTY	239 10TH AVENUE	1/8 - 1/4 NE	R92	162
166-35 9TH AVE/	166-35 9TH AVENUE	1/8 - 1/4 ESE	U97	165
11 ELEVENTH AVENUE	11 ELEVENTH AVENUE	1/8 - 1/4 SSW	AB123	222
536 WEST 26TH STREET	536 WEST 26TH STREET	1/4 - 1/2 NNE	AD129	232
PENSKE TRUCK LEASING CO L P	***536 W 26TH ST***	***1/4 - 1/2 NNE***	***AD130***	***233***
DEL. SPILL /W.28ST.&10AV	W.26ST / 10 AVE.	1/4 - 1/2 NE	132	236
400 WEST 25TH STREET	***400 WEST 25TH STREET***	***1/4 - 1/2 ENE***	***135***	***240***
CENTRAL IRON	505 WEST 27TH STREET	1/4 - 1/2 NNE	AF136	243
530 WEST 27TH ST/MANH	530 WEST 27TH STREET	1/4 - 1/2 NNE	137	244
505 W 27THST/CENTRAL IRON	505 W 27TH ST	1/4 - 1/2 NNE	AF138	245
303 10 AVE. MANHATTAN/UNK	303 10 AVE.	1/4 - 1/2 NE	140	246
310 WEST 18TH STREET	***310 WEST 18TH STREET***	***1/4 - 1/2 SE***	***141***	***248***
UNKNOWN APARTMNT BUILDING	204 8 AV	1/4 - 1/2 ESE	142	250
ELLIOTT	***426 WEST 27TH STREET***	***1/4 - 1/2 ENE***	***143***	***251***
PUBLIC SCHOOL #33	281 9TH AVENUE	1/4 - 1/2 ENE	AG144	257
PS 33	***281 NINTH AVENUE***	***1/4 - 1/2 ENE***	***AG145***	***259***
PARKING LOT OF	515 WEST 28TH ST	1/4 - 1/2 NNE	146	262
271 11TH AVE/MANHATTAN	***271 11TH AVE***	***1/4 - 1/2 N***	***AH147***	***263***
Not reported	351-355 W 14TH ST	1/4 - 1/2 SSE	148	265
Not reported	264 W. 19TH ST	1/4 - 1/2 SE	AI151	273
POWER HOUSE	315 W 25TH ST	1/4 - 1/2 E	AJ152	274
MUTUAL REDEVELOPMENT HSNG	315 W 25 ST	1/4 - 1/2 E	AJ153	275
303 9TH AV/DEPT OF HEALTH	303 9TH AVENUE	1/4 - 1/2 ENE	154	276
HIGH RIDGE ENTERPRISES	524 W 29TH ST	1/4 - 1/2 NNE	AK155	278
524 WEST 29TH ST/MANH	524 WEST 29TH STREET	1/4 - 1/2 NNE	AK156	279
Not reported	251 W. 19TH ST	1/4 - 1/2 SE	AI157	280
15TH ST & 8TH AVE/BKLYN	15TH ST / 8TH AVE	1/4 - 1/2 SSE	AL159	283
Not reported	96 8TH AVE	1/4 - 1/2 SSE	AL160	284
Not reported	304 8TH AVE	1/4 - 1/2 E	161	285
Not reported	255 WEST 23 RD STREET	1/4 - 1/2 E	AM163	287
Not reported	255 WEST 23RD ST	1/4 - 1/2 E	AM164	288
D26TH ST. & HUDSON PKWY.	26TH ST. / HUDSON PKW	1/4 - 1/2 N	165	289
Not reported	550 WEST 30TH STREET	1/4 - 1/2 NNE	166	291
HELIPORT W 30TH ST/MANH	HELIPORT/WEST 30TH STRE	1/4 - 1/2 NE	167	293

Lower Elevation	Address	Dist / Dir	Map ID	Page
555 WEST 17TH ST/MANH	555 WEST 17TH STREET	1/8 - 1/4 SSW	52	86

Lower Elevation	Address	Dist / Dir	Map ID	Page
Not reported	555 WEST 23RD ST	1/8 - 1/4 N	N67	123
562 W 23RD ST/MANHATTAN	562 WEST 23RD STREET	1/8 - 1/4 N	N71	128
PIER 57- 11TH AVENUE	PIER 57 / 11TH AVENUE	1/8 - 1/4 SSW	Y108	176
NYC TRANSIT AUTH/MANHATTA	***WEST 15TH ST / 11TH A***	***1/8 - 1/4 SSW***	***Y113***	***196***
PIER 57- WESTSIDE HIGHWAY	PIER 57 / 17TH ST	1/8 - 1/4 SSW	Y115	199
201 11TH AVE/MANH/USPS	***201 11TH AVENUE***	***1/8 - 1/4 N***	***AA120***	***216***
19 11TH AVE/NYCTA-HUDSON	19 11TH AVE	1/8 - 1/4 SSW	Y125	228
501 W 14TH ST/SUNOCO	501 W 14TH ST	1/4 - 1/2 SSW	AC127	230
505 W 14 ST	505 W 14 ST / 10 AVE	1/4 - 1/2 SSW	AC128	232
PIER 57 & HUDSON DEPOT	15TH ST / ROUTE 9A	1/4 - 1/2 SW	131	235
601 W. 26TH ST	601 W. 26TH ST	1/4 - 1/2 N	AE133	238
601 WEST 26TH ST/MANH	601 WEST 26TH STREET	1/4 - 1/2 N	AE134	239
COMMERCIAL BUILDING	260 11TH AVE	1/4 - 1/2 N	139	245
2 BLOOMFIELD STREET	***2 BLOOMFIELD STREET***	***1/4 - 1/2 SSW***	***150***	***269***
168-11 12TH AVENUE	168-11 12TH AVENUE	1/4 - 1/2 N	158	281

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

A review of the UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 35 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
BERMUDA MOTOR CAR RENTING CO	537 WEST 20TH STREET	0 - 1/8 WNW	A5	8
TRIBECA MANAGEMENT	521 WEST 21TH STREET	0 - 1/8 NE	D13	21
GETTY 58542	***152 TENTH AVE***	***0 - 1/8 SSE***	***F21***	***34***
EMPIRE CITY SUBWAY CO LTD	177-83 10TH AVENUE	0 - 1/8 E	G23	41
STORAGE USA	510 WEST 21ST STREET	0 - 1/8 ENE	H27	44
TIME WARNER CABLE / MANHATTAN	***511 WEST 21ST STREET***	***0 - 1/8 ENE***	***H28***	***45***
THE HENRY LLOYD COMPANY	507 WEST 21ST STREET	0 - 1/8 ENE	G34	58
MENDON LEASING CORP	515 WEST 18TH ST	0 - 1/8 SSW	I44	70
MENDON LEASING CORP	131 TENTH AVE	0 - 1/8 S	I49	79
TOSCO #34649	***215 10TH AVE***	***1/8 - 1/4 NE***	***J53***	***87***
456-464 W. 18TH STREET	456-464 W 18TH STREET	1/8 - 1/4 SSE	L57	100
COSTCO WHOLESALE CORPORATION	527 WEST 23RD STREET	1/8 - 1/4 NNE	M62	106
FREEDMAN REALTY	110 TENTH AVENUE	1/8 - 1/4 SSW	K64	115
GULF SERVICE STA	500 W 23RD ST	1/8 - 1/4 NE	J65	118
ARTISTS' CONDOMINIUM	521 WEST 23RD STREET	1/8 - 1/4 NNE	M74	132
METROPOLITAN OLDSMOBILE INC	***440 W 19TH ST***	***1/8 - 1/4 SE***	***75***	***134***
MENDON LEASING CORP	***440 W 18TH ST***	***1/8 - 1/4 SSE***	***O77***	***137***
DRIVE IN STUDIOS	435 WEST 18TH STREET	1/8 - 1/4 SSE	O79	142
ADOLPHS TRUCKING CO, INC	507-11 WEST 24TH ST	1/8 - 1/4 NE	R86	150
POWERTEST/GETTY 00341	239 10TH AVE	1/8 - 1/4 NE	R90	157
400 WEST 20TH STREET	400 WEST 20TH STREET	1/8 - 1/4 ESE	U96	164
455 WEST 16TH STREET	455 WEST 16TH STREET	1/8 - 1/4 S	W102	169
LONDON TERRACE TOWERS	470 WEST 24 STREET	1/8 - 1/4 NE	104	174
LONDON TERRACE GARDENS	415-55 WEST 23RD STREET	1/8 - 1/4 E	122	220
534-548 WEST 25TH STREET	534-548 WEST 25TH STREE	1/8 - 1/4 NNE	124	223
511 WEST 25TH STREET	511 W 25TH ST	1/8 - 1/4 NE	126	229

Lower Elevation	Address	Dist / Dir	Map ID	Page
BAYVIEW CORR FAC	***550 WEST 20TH ST***	***0 - 1/8 WNW***	***C9***	***15***

Lower Elevation	Address	Dist / Dir	Map ID	Page
MENDON LEASING CORP	542 WEST 19TH ST	0 - 1/8 SW	E15	26
DIA ART FOUNDATION	***548 W 22ND ST***	***0 - 1/8 N***	***50***	***83***
"U" HAUL OF METRO NEW YORK	562 WEST 23RD STREET	1/8 - 1/4 N	N69	124
JHT LEASING CORP	603 WEST 23RD ST	1/8 - 1/4 NNW	84	148
635 WEST 23RD ST	635 W 23RD ST	1/8 - 1/4 NNW	V100	167
HUDSON BUS DEPOT	***11TH AVE & WEST 15TH ST***	***1/8 - 1/4 SSW***	***Y112***	***180***
DYNAMIC DELIVERY CORP.	202-208 11TH AVENUE	1/8 - 1/4 N	AA117	200
U.S. POSTAL SERVICE - MANHATTA	***201 11TH AVENUE***	***1/8 - 1/4 N***	***AA119***	***206***

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.

A review of the VCP list, as provided by EDR, and dated 12/17/2004 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CON EDISON - EAST 19TH ST. STA	524 E. 19TH ST.	0 - 1/8 SSW	E14	25

Lower Elevation	Address	Dist / Dir	Map ID	Page
19TH STREET DEVELOPMENT SITE	80 11TH AVENUE	1/8 - 1/4 SW	54	99

STATE OR LOCAL ASTM SUPPLEMENTAL

CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 2 CBS AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
HUDSON PIER BUS DEPOT	11 AVE/WEST 15 STREET	1/8 - 1/4 SSW	Y111	178
U.S. POSTAL SERVICE - MANHATTA	***201 11TH AVENUE***	***1/8 - 1/4 N***	***AA119***	***206***

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.

A review of the NY Spills list, as provided by EDR, and dated 11/15/2004 has revealed that there are 21 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
529 WEST 2OTH STREET	529 WEST 20TH STREET	0 - 1/8 ESE	A4	7
537 WEST 20TH STREET / MA	537 WEST 20TH STREET	0 - 1/8 WNW	A6	12
512 WEST 20TH ST/MANH	512 WEST 20TH STREET	0 - 1/8 ESE	B7	13

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
W 20 ST AND 10TH AVE	WEST 20TH ST / 10TH A	0 - 1/8 ESE	B10	18
OLD GAS STATION	10TH AV / 20TH ST	0 - 1/8 ESE	B11	18
Not reported	528 WEST 19TH ST	0 - 1/8 SSW	E17	31
DANNY'S PARKING LOT	161-165 10TH AVE	0 - 1/8 SE	F19	32
STORAGE USA	510 WEST 21ST ST	0 - 1/8 ENE	H26	43
TIME WARNER CABLE / MANHATTAN	***511 WEST 21ST STREET***	***0 - 1/8 ENE***	***H28***	***45***
GOLDBERG	511 WEST 21TH ST.	0 - 1/8 ENE	H29	52
506-509 W 21ST & 22ND STS	509 WEST 21ST	0 - 1/8 ENE	G31	54
SERVICE BOX 3769	508 WEST 21ST ST	0 - 1/8 ENE	G32	55
507 W 21ST ST	507 W 21ST ST	0 - 1/8 ENE	G36	63
VACANT LOT	507 WEST 21ST STREET	0 - 1/8 ENE	G37	64
RESIDENCE	188 10TH AVE	0 - 1/8 ENE	G39	66
131 10TH AVENUE	131 10TH AVENUE	0 - 1/8 SSE	40	66
201 ST & 10 AVE/SHELL	201 ST / 10 AVENUE	0 - 1/8 ENE	H41	67
515 W 18 ST	515 WEST 18TH ST	0 - 1/8 SSW	I45	75
MANHOLE 24185	518 - 22 W 204 ST	0 - 1/8 NE	47	77
Not reported	18TH ST/10TH AVE	0 - 1/8 S	I48	79
215 10TH AVENUE &23RD ST.	215 10TH AVENUE / 23R	0 - 1/8 NE	51	86

DRYCLEANERS:A listing of all registered drycleaning facilities.

A review of the DRYCLEANERS list, as provided by EDR, and dated 06/15/2004 has revealed that there are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
TAMARA DRY CLEANERS	126 9TH AVE.	1/8 - 1/4 SE	X107	176
JEAN'S MANHATTAN FRENCH CLEANE	198 9TH AVENUE	1/8 - 1/4 E	Z110	178

PROPRIETARY DATABASES

Former Manufactured Gas (Coal Gas) Sites:
The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative

A review of the Coal Gas list, as provided by EDR, has revealed that there are 2 Coal Gas sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CONSOLIDATED GAS CO.	111 TENTH AVE.	1/8 - 1/4 SSW	K55	99
CONSOLIDATED GAS CO.	450 W 18TH ST.	1/8 - 1/4 SSE	L68	124

BROWNFIELDS DATABASES

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.

A review of the VCP list, as provided by EDR, and dated 12/17/2004 has revealed that there are 2 VCP

sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CON EDISON - EAST 19TH ST. STA	524 E. 19TH ST.	0 - 1/8 SSW	E14	25

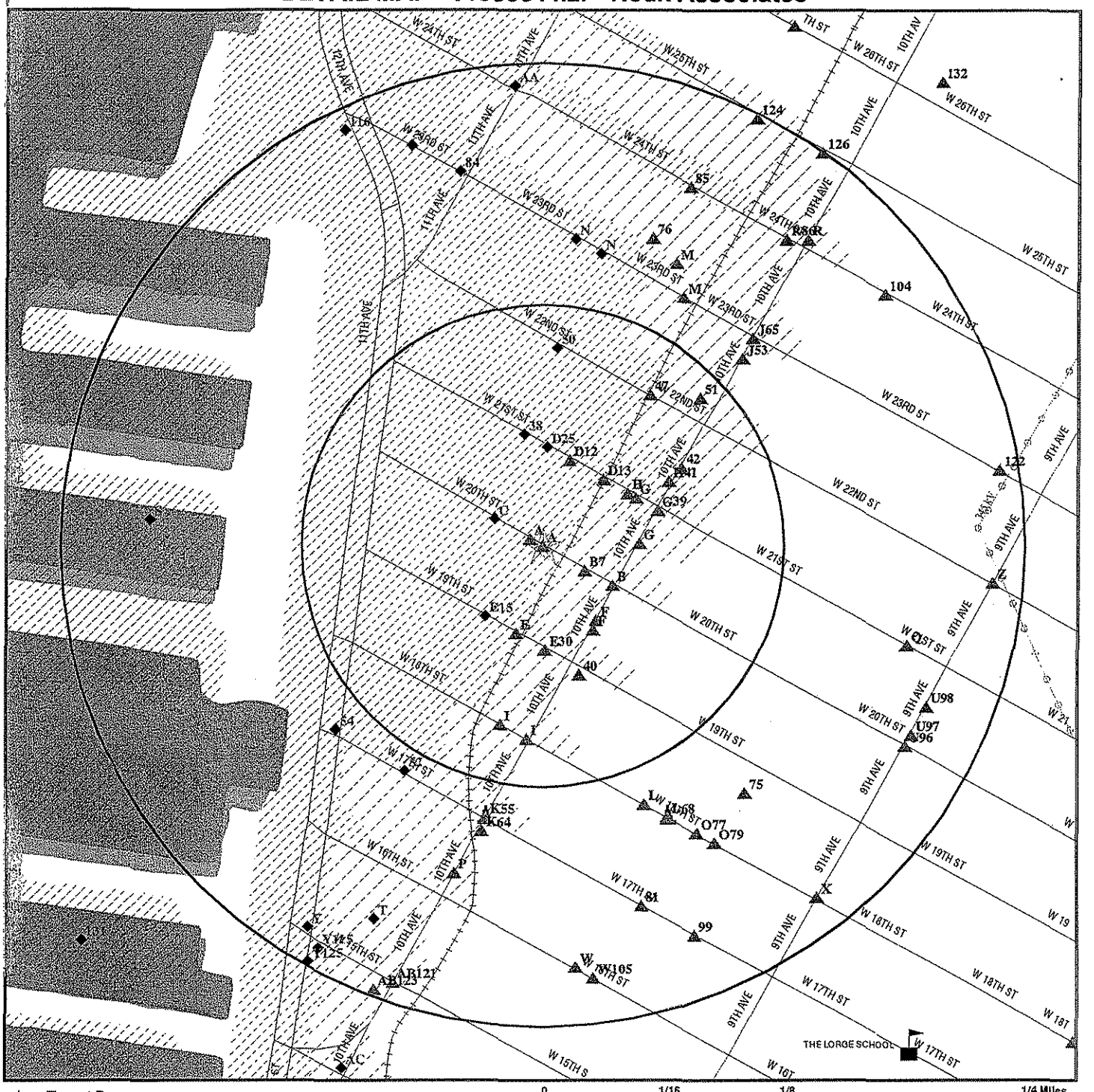
Lower Elevation	Address	Dist / Dir	Map ID	Page
19TH STREET DEVELOPMENT SITE	80 11TH AVENUE	1/8 - 1/4 SW	54	99

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
NYCDOS W 30TH ST RECYCLING FACILIT	SWF/LF
308 WEST 18TH ST	LTANKS
652 HUDSON ST	LTANKS
CON ED - V 6408	RCRA-SQG
NYCDOT BIN 2245010	RCRA-LQG
14TH ST AND 8TH AVE, 8TH AVE SUBWA	ERNS
WEST 23RD ST AND HUDSON R	ERNS
BETW. 9TH/10TH AVE.	NY Spills
TRANSFORMER MANHOLE 2383	NY Spills
PIER 63	NY Spills
14TH ST BETW AVES C & D	NY Spills
METHANE ODORS/15 RD. BROA	NY Spills
MANHOLE 00372	NY Spills
EAST RIVER	NY Spills
MANHOLE #2767	NY Spills
HUDSON DEPOT	NY Spills
CONED CONEY IS OIL IN LOT	NY Spills
MANHOLE #2976	NY Spills
MANHOLE #56194	NY Spills
MANHOLE #2975	NY Spills
MANHOLE #51527	NY Spills
PUMP HOUSE #2	NY Spills
CONSTRUCTION SITE	NY Spills
CONSTRUCTION SITE	NY Spills
21ST DR/BETWEEN 21ST ST &	NY Spills
21ST AVE / STEINWAY ST	NY Spills
23RD ST & FDR DR	NY Spills
WEST 17TH STREET PROPERTY	VCP
17TH STREET DEVELOPMENT PROJECT	VCP
PROPOSED FEDERAL EXPRESS DISTRIBUT	VCP
CON EDISON - EAST 11TH ST. WORKS M	VCP
CON EDISON - WEST 18TH ST. GAS WOR	VCP
CON EDISON - EAST 21ST ST. WORKS M	VCP
NYCDOS W 30TH ST RECYCLING FACILIT	SWRCY

DETAIL MAP - 01358844.2r - Roux Associates



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- State Wetlands

TARGET PROPERTY:	532 West 20th St	CUSTOMER:	Roux Associates
ADDRESS:	532 West 20th St	CONTACT:	Bill Holubowich
CITY/STATE/ZIP:	New York NY 10011	INQUIRY #:	01358844.2r
LAT/LONG:	40.7461 / 74.0062	DATE:	February 11, 2005 8:19 am

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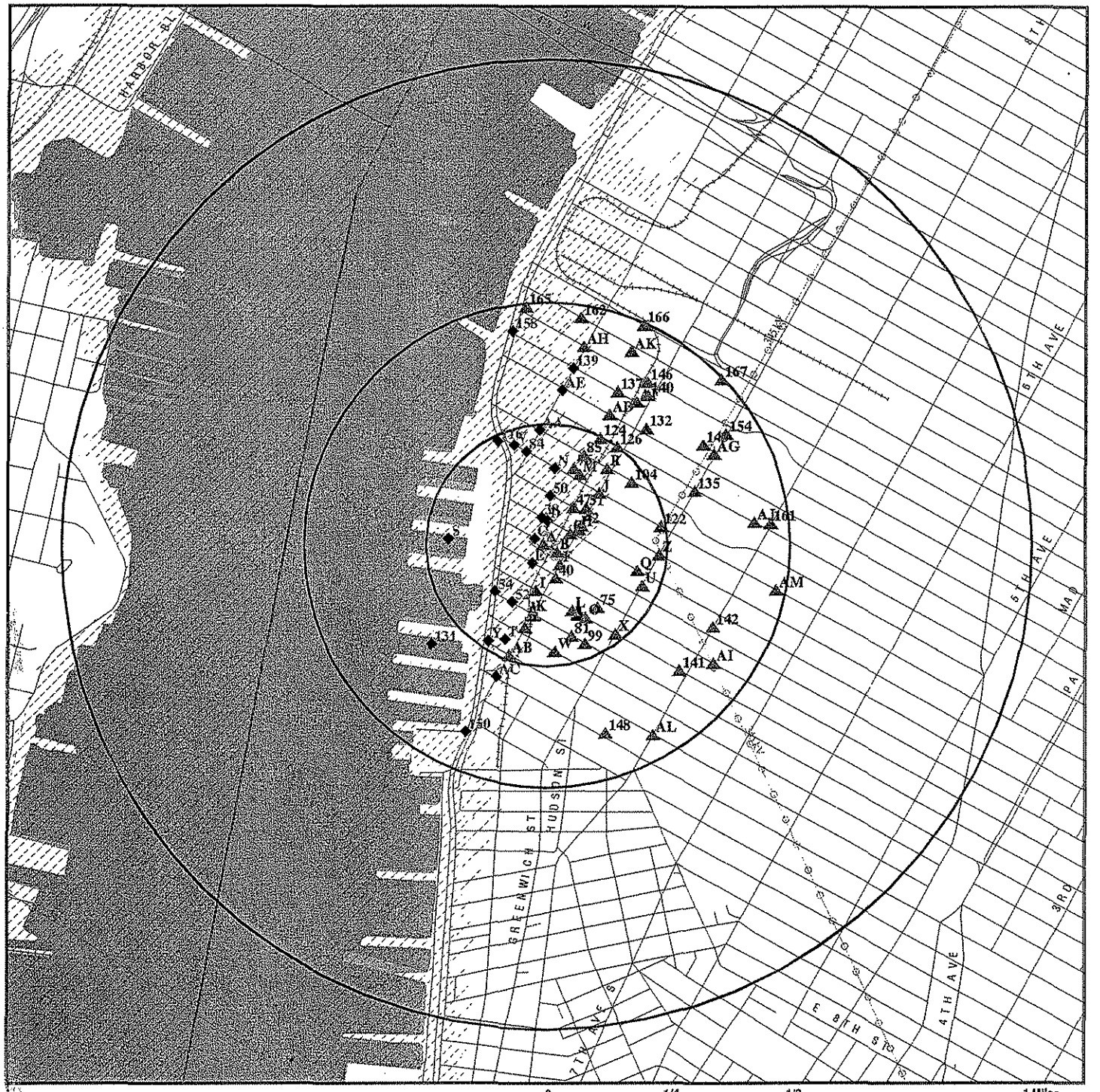
OVERVIEW MAP - 01358844.2r - Roux Associates



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
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TARGET PROPERTY:	532 West 20th St	CUSTOMER:	Roux Associates
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LAT/LONG:	40.7461 / 74.0062	DATE:	February 11, 2005 8:19 am

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	1	NR	NR	NR	1
RCRA Sm. Quan. Gen.		0.250	8	25	NR	NR	NR	33
ERNS		TP	NR	NR	NR	NR	NR	0
STATE ASTM STANDARD								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	2	NR	NR	2
LTANKS		0.500	8	23	39	NR	NR	70
UST		0.250	12	23	NR	NR	NR	35
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
VCP		0.500	1	1	0	NR	NR	2
SWTIRE		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
HSWDS		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		TP	NR	NR	NR	NR	NR	0
CBS AST		0.250	0	2	NR	NR	NR	2
MOSF AST		0.500	0	0	0	NR	NR	0
NY Spills		0.125	21	NR	NR	NR	NR	21
DEL SHWS		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.250	0	2	NR	NR	NR	2
AIRS		TP	NR	NR	NR	NR	NR	0
SPDES		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY HISTORICAL DATABASES								
Coal Gas		1.000	0	2	0	0	NR	2
BROWNFIELDS DATABASES								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Brownfields		0.500	0	0	0	NR	NR	0
VCP		0.500	1	1	0	NR	NR	2

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A1		**NY Spills**	**S106009901**
Target Property	**532 W 20TH ST** **MANHATTEN, NY**		**N/A**

Site 1 of 6 in cluster A

Actual: 10 ft.

SPILLS:

True Date : 11/15/2004
Spill Number: 0209247 — Region of Spill: 2
Spill Date: 12/09/02 — Reported to Dept: / /
ID: 41477
Date Call Received: 12/09/02
Region Close Date : Not closed
Material Spilled: UNKNOWN PETROLEUM — Amount Spilled: Unknown Gal.
Spill Cause: ON LAND — Resource Affected: ON LAND
Water Affected: Not reported — Spill Source: UNKNOWN
Water Affected: Not reported — Spill Source: UNKNOWN
Facility Contact: Not reported — Facility Tele: Not reported
Investigator: Not reported — SWIS: Not reported
Caller Name: Not reported — Caller Agency: Not reported
Caller Phone: Not reported — Caller Extension: Not reported
Notifier Name: Not reported — Notifier Agency: Not reported
Notifier Phone: Not reported — Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported — Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: Not reported
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: Not reported
Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported
Num Times Material Entry In File: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported — PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / / — Cleanup Meets Std: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ / — Enforcement Date: / /
Invstgn Complete:/ / — UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /

(Continued) **S106009901**

Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /

A2 Target Property **CON ED - V 4289** **RCRA-SQG** **1007205281**
532 W 20 ST **NYP000928655**
NEW YORK, NY 10011

Actual: 10 ft.

Site 2 of 6 in cluster A

RCRAInfo:
Contact: ANTHONY G DRUMMINGS
(212) 460-3770

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

A3 Target Property **CON ED - V 4289** **FINDS** **1007251884**
532 W 20 ST **110017241509**
NEW YORK, NY 10011

Actual: 10 ft.

Site 3 of 6 in cluster A

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

A4 ESE < 1/8 22 ft. **529 WEST 20TH STREET** **NY Spills** **S104495131**
529 WEST 20TH STREET **N/A**
NEW YORK CITY, NY

Relative: Equal

Site 4 of 6 in cluster A

Actual: 10 ft.

SPILLS:

True Date :	11/15/2004		
Spill Number:	8703253	Region of Spill:	2
Spill Date:	07/22/87	Reported to Dept:	/ /
ID:	110212		
Date Call Received:	07/22/87		
Region Close Date :	Not closed		
Material Spilled:	GASOLINE	Amount Spilled:	20 Gal.
Spill Cause:	GROUNDWATER	Resource Affected:	GROUNDWATER
Water Affected:	Not reported	Spill Source:	UNKNOWN
Water Affected:	Not reported	Spill Source:	UNKNOWN
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		

529 WEST 2OTH STREET (Continued) **S104495131**

Spiller Address: Not reported
DEC Remarks : Not reported
Remark: LEAKING INTO BUILDING BASEMENT FROM UNKNOWN SOURCE.FIRE DEPT. HAZ/MATON THE SCENE. DEC AUSTIN/BATTISTA) RESPONDING. SEE SHEET FOR ACTION .
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 20
Units: Gallons
Unknown Qty Spilled: 20
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

A5 WNW < 1/8 41 ft. **BERMUDA MOTOR CAR RENTING CO** **UST** **U001839677**
537 WEST 20TH STREET **N/A**
N Y C, NY 10011

Site 5 of 6 in cluster A

Relative: Equal

Actual: 10 ft.

PBS UST:
PBS Number: 2-349402
CBS Number: Not reported
SPDES Number: Not reported
SWIS ID: 6201
Operator: ROBERT A VERDI
(212) 249-8400
Emergency Contact: ROBERT A VERDI
(212) 249-8400
Total Tanks: 0
Owner: ROBERT A VERDI
537 W 20TH ST
N Y C, NY 10011
(212) 249-8400

BERMUDA MOTOR CAR RENTING CO (Continued) **U001839677**

Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ROBERT A VERDI 537 W 20TH ST N Y C, NY 10011 (212) 249-8400		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	01/01/1994	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	05/19/1988
Old PBS Number:	Not reported	Expiration Date:	05/19/1993
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-349402	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	ROBERT A VERDI (212) 249-8400		
Emergency Contact:	ROBERT A VERDI (212) 249-8400		
Total Tanks:	0		
Owner:	ROBERT A VERDI 537 W 20TH ST N Y C, NY 10011 (212) 249-8400		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ROBERT A VERDI 537 W 20TH ST N Y C, NY 10011 (212) 249-8400		

BERMUDA MOTOR CAR RENTING CO (Continued) **U001839677**

Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	01/01/1994	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	05/19/1988
Old PBS Number:	Not reported	Expiration Date:	05/19/1993
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-349402	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	ROBERT A VERDI (212) 249-8400		
Emergency Contact:	ROBERT A VERDI (212) 249-8400		
Total Tanks:	0		
Owner:	ROBERT A VERDI 537 W 20TH ST N Y C, NY 10011 (212) 249-8400		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ROBERT A VERDI 537 W 20TH ST N Y C, NY 10011 (212) 249-8400		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported

BERMUDA MOTOR CAR RENTING CO (Continued) **U001839677**

Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	01/01/1994	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	05/19/1988
Old PBS Number:	Not reported	Expiration Date:	05/19/1993
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-349402	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	ROBERT A VERDI (212) 249-8400		
Emergency Contact:	ROBERT A VERDI (212) 249-8400		
Total Tanks:	0		
Owner:	ROBERT A VERDI 537 W 20TH ST N Y C, NY 10011 (212) 249-8400		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ROBERT A VERDI 537 W 20TH ST N Y C, NY 10011 (212) 249-8400		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported

BERMUDA MOTOR CAR RENTING CO (Continued) **U001839677**

Date Closed:	01/01/1994	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	05/19/1988
Old PBS Number:	Not reported	Expiration Date:	05/19/1993
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

A6 WNW < 1/8 41 ft. **537 WEST 20TH STREET / MA** **NY Spills** **S104495130**
537 WEST 20TH STREET **N/A**
NEW YORK CITY, NY

Site 6 of 6 in cluster A

Relative: Equal

Actual: 10 ft.

SPILLS:

True Date :	11/15/2004		
Spill Number:	8702883	Region of Spill:	2
Spill Date:	07/10/87	Reported to Dept:	/ /
ID:	109849		
Date Call Received:	07/10/87		
Region Close Date :	01/01/88		
Material Spilled:	GASOLINE	Amount Spilled:	1 Gal.
Spill Cause:	GROUNDWATER	Resource Affected:	GROUNDWATER
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		

DEC Remarks : / / : HOWIE GREENBERG OF ALVIN SAID HIS MEN REPLACED FILL BOX DID NOTICE CONTAMINATION AROUIND THE BOX. MINOR REPORT OF SPILLAGE NO ACTION REQUIRED

Remark: REPLACED DE-FECTIVE FILL LINE BOX. DEC WILL INVESTIGATE.

Spill Class: Not reported

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1

537 WEST 20TH STREET / MA (Continued) **S104495130**

Quantity Spilled: 1
Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

B7 ESE < 1/8 134 ft. **512 WEST 20TH ST/MANH** **NY Spills** **S104495236**
512 WEST 20TH STREET **N/A**
NEW YORK CITY, NY

Site 1 of 3 in cluster B

Relative: Higher

Actual: 11 ft.

SPILLS:
True Date : 11/15/2004
Spill Number: 9002588
Region of Spill: 2
Spill Date: 05/26/90
Reported to Dept: / /
ID: 143183
Date Call Received: 06/06/90
Region Close Date : 06/14/90
Material Spilled: GASOLINE
Amount Spilled: -1 lbs.
Spill Cause: ON LAND
Resource Affected: ON LAND
Water Affected: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
Water Affected: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : 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.
Remark: WHILE RENOVATING OLD BLDG 2) UST S 0F 550GAL TANK GASOLINE 2 FO) WERE FOUND, FUEL OIL TANK REMOVED, GASOLINE TANK STILL THERE, CONTAMINATED

512 WEST 20TH ST/MANH (Continued) **S104495236**

SOIL FOUND.
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

C8 **NYCDOC - BAYVIEW CORRECTIONAL FACILITY** **RCRA-SQG** **1007112519**
WNW **550 W 20TH ST** **NYR000117242**
< 1/8 **NEW YORK, NY 10011**
140 ft.

Site 1 of 2 in cluster C

Relative: Lower

Actual: 9 ft.

RCRAInfo:
Owner: NEW YORK STATE DOCES
(212) 555-1212
EPA ID: NYR000117242
Contact: ANTONIO VASQUEZ
(212) 255-7590
Classification: Small Quantity Generator
TSDF Activities: Not reported

NYCDOC - BAYVIEW CORRECTIONAL FACILITY (Continued) **1007112519**

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

C9 WNW < 1/8 152 ft. **BAYVIEW CORR FAC 550 WEST 20TH ST NEW YORK, NY 10011** **UST U003074576 AST N/A**

Site 2 of 2 in cluster C

Relative: Lower

Actual: 9 ft.

PBS UST:

PBS Number:	2-399515	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	BAYVIEW CORRECTIONAL FACILITY (212) 255-7590		
Emergency Contact:	MRS. A DIXON (212) 255-7590		
Total Tanks:	3		
Owner:	NYS DEPT CORR SVC 550 WEST 20TH STREET NEW YORK, NY 10011 (212) 255-7590		
Owner Type:	State Government		
Owner Mark:	First Owner		
Owner Subtype:	NYS Department of Corrective Services		
Mailing Address:	NYS DEPT CORR SVC ATTN: FRANK SHERIDAN STATE CAMPUS-BUILDING #2 ALBANY, NY 12226 (518) 432-2454		
Tank Status:	In Service		
Capacity (gals):	7500		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	8050	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/03/1997
Old PBS Number:	Not reported	Expiration Date:	10/06/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		

BAYVIEW CORR FAC (Continued) **U003074576**

Facility Type:	OTHER
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	62
Region:	2

PBS AST:

PBS Number:	2-399515	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	State Government		
Owner Sub Type:	NYS Department of Corrective Services		
Owner:	NYS DEPT CORR SVC 550 WEST 20TH STREET NEW YORK, NY 10011		
Owner Phone:	(212) 255-7590		
Facility Phone:	(212) 255-7590		
Operator:	BAYVIEW CORRECTIONAL FACILITY		
Emergency Name:	MRS. A DIXON		
Emergency Phone:	(212) 255-7590		
Total Tanks:	3		
Total Capacity:	8050		
Tank ID:	002		
Capacity (Gal):	275		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	DIESEL		
Tank Type:	Steel/carbon steel		
Install Date:	08/01/1996		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	DOUBLED-WALLED TANK		
Pipe Type:	STEEL/IRON		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge, Vent Whistle		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	NYS DEPT CORR SVC		
Mailing Address:	STATE CAMPUS-BUILDING #2 ALBANY, NY 12226		
Mailing Contact:	FRANK SHERIDAN		
Mailing Telephone:	(518) 432-2454		
Owner Mark:	First Owner	Expiration Date:	10/06/2002
Certification Flag:	False	Certification Date:	11/03/1997
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		

BAYVIEW CORR FAC (Continued) **U003074576**

Owner Screen: Minor data missing
Tank Screen: Minor data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 62
Region: 2
Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-399515	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported

Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Facility Type: OTHER
Owner Type: State Government
Owner Sub Type: NYS Department of Corrective Services
Owner: NYS DEPT CORR SVC
550 WEST 20TH STREET
NEW YORK, NY 10011
Owner Phone: (212) 255-7590
Facility Phone: (212) 255-7590
Operator: BAYVIEW CORRECTIONAL FACILITY
Emergency Name: MRS. A DIXON
Emergency Phone: (212) 255-7590
Total Tanks: 3
Total Capacity: 8050
Tank ID: 003
Capacity (Gal): 275
Missing Data for Tank : Minor data missing
Tank Location: ABOVEGROUND
Product Stored: DIESEL
Tank Type: Steel/carbon steel
Install Date: 05/01/1996
Tank Internal: Not reported
Tank External: Not reported
Tank Containment: DOUBLED-WALLED TANK
Pipe Type: STEEL/IRON
Pipe Location: Not reported
Pipe Internal: Not reported
Pipe External: Not reported
Leak Detection: NONE
Overfill Protection: Product Level Gauge, Vent Whistle
Dispenser Method: Suction

Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported

Result of Inspection: Not reported
Mailing Name: NYS DEPT CORR SVC
Mailing Address: STATE CAMPUS-BUILDING #2
ALBANY, NY 12226
Mailing Contact: FRANK SHERIDAN
Mailing Telephone: (518) 432-2454

Owner Mark:	First Owner	Expiration Date:	10/06/2002
Certification Flag:	False	Certification Date:	11/03/1997
Renew Flag:	False	Renew Date:	/ /

Lat/Long: Not reported

BAYVIEW CORR FAC (Continued) **U003074576**

Dead Letter: False
Facility Screen: No data missing
Owner Screen: Minor data missing
Tank Screen: Minor data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 62
Region: 2
Fiscal Amount for Registration Fee is Correct: True

B10 **W 20 ST AND 10TH AVE** **NY Spills** **S104652993**
ESE **WEST 20TH ST / 10TH AVE** **N/A**
< 1/8 **MANHATTAN, NY**
220 ft.

Site 2 of 3 in cluster B

Relative: Higher

SPILLS:
True Date : 01/01/2002
Actual: 11 ft.
Spill Number: 0030004 | Region of Spill: 2
Spill Date: 05/22/2000 10:21 | Reported to Dept: 05/22/00 10:21
ID: Not reported
Date Call Received: Not reported
Region Close Date : Not reported
Material Spilled: Not reported | Amount Spilled: Not reported
Spill Cause: Other | Resource Affected: On Land
Water Affected: Not reported | Spill Source: Gas Station
Tank Number: Not reported | Tank Size : Not reported
Test Method: Not reported | Leak Rate: Not reported
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

B11 **OLD GAS STATION** **NY Spills** **S104195688**
ESE **10TH AV / 20TH ST** **N/A**
< 1/8 **MANHATTAN, NY**
220 ft.

Site 3 of 3 in cluster B

Relative: Higher

SPILLS:
True Date : 02/09/2005
Actual: 11 ft.
Spill Number: 9907805 | Region of Spill: 2
Spill Date: 09/28/99 | Reported to Dept: Not reported
ID: 2186
Date Call Received: 09/28/99
Region Close Date : 03/04/03
Material Spilled: Gasoline | Amount Spilled: 0 Gal.
Spill Cause: AIR | Resource Affected: AIR
Water Affected: Not reported | Spill Source: GASOLINE STATION
Water Affected: Not reported | Spill Source: GASOLINE STATION
Facility Contact: Not reported | Facility Tele: Not reported
Investigator: Not reported | SWIS: Not reported
Caller Name: Not reported | Caller Agency: Not reported
Caller Phone: Not reported | Caller Extension: Not reported
Notifier Name: Not reported | Notifier Agency: Not reported
Notifier Phone: Not reported | Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported | Spiller Phone: Not reported

OLD GAS STATION (Continued) **S104195688**

Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: DIGGING UP THE OLD TANKS AT THE OLD GAS STATION - SEVERE ODORS PRESENT - COMP HAS CALLED NYC DEP ALREADY CASE 75955
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
Spill Closed Dt: Not Closed
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: Not reported
Last Inspection: Not reported
Cleanup Meets Std: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt: Not reported
Enforcement Date: Not reported
Invstgn Complete: Not reported
UST Involvement: Not reported
Spill Record Last Update: Not reported
Is Updated: Not reported
Corrective Action Plan Submitted: Not reported
Date Spill Entered In Computer Data File: Not reported
Date Region Sent Summary to Central Office: Not reported
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

D12 **535 EAST 21ST STREET** **LTANKS** **S104275516**
NNE **535 EAST 21ST STREET** **N/A**
< 1/8 **NEW YORK CITY, NY**
244 ft.

Site 1 of 3 in cluster D

Relative: Equal

LTANKS:
Spill Number: 8803752
Region of Spill: 2
Actual: 10 ft.
Spill Date: 07/29/1988 11:30
Reported to Dept: 07/29/88 15:13
ID: Not reported
Date Call Received: Not reported
Material Spilled: Not reported
Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Spill Source: Private Dwelling
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported

535 EAST 21ST STREET (Continued) **S104275516**

Spill Number: 8803752
Spill Date: 07/29/88
ID: 121708
Material Spilled: #4 FUEL OIL
Region Close Dt: 02/25/93
Resource Affectd: GROUNDWATER
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: 2-358797
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 07/29/88
Amount Spilled: -1 lbs.
Spill Source: PRIVATE DWELLING
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:
- PBS Number: Not reported
- Tank Number: Not reported
- Test Method: Not reported
- Capacity of Failed Tank: 0
- Leak Rate Failed Tank: 0.00
- Gross Leak Rate: Not reported

Material:
- Material Class Type: 1
- Quantity Spilled: -1
- Units: Pounds
- Unknown Qty Spilled: -1
- Quantity Recovered: 0
- Unknown Qty Recovered: False
- Material: #4 FUEL OIL
- Class Type: Petroleum
- Chem Abstract Service Number: #4 FUEL OIL
- Last Date: 12/05/1994
- Num Times Material Entry In File: 1751

DEC Remarks: 02/25/93: DONEGAL DID REPAIRS AND RETESTED AND PASSED 7/29/88.
Spill Cause: 4K TANK FAILED AN INITIAL SYSTEM- PETRO TITE TEST WITH A GROSS LEAK, WI LL EXCAVATE, ISOLATE AND RETEST.

D13 NE < 1/8 246 ft. | **TRIBECA MANAGEMENT 521 WEST 21TH STREET MANHATTAN, NY 10011** | **UST** | **U001736518 N/A**

Site 2 of 3 in cluster D

Relative: Equal

Actual: 10 ft.

PBS UST:

PBS Number:	2-601593	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	GUY ROBERTS (212) 675-1717		
Emergency Contact:	GUY ROBERTS (212) 675-1717		
Total Tanks:	0		
Owner:	ESTATE OF JOHN J. CASALE, C/O KEY TRUST - OF MAINE P.O. BOX 1054 AUGUSTA, MA 04330 (207) 623-4721		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	TARANTO & ASSOCIATES INC. ATTN: DAVID BRIMLOW 267 FIFTH AVENUE. SUITE 906 NEW YORK, NY 10016 (212) 686-6200		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	10/01/1997
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	10/01/1997	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/1993
Old PBS Number:	Not reported	Expiration Date:	09/14/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

TRIBECA MANAGEMENT (Continued) **U001736518**

PBS Number:	2-601593	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	GUY ROBERTS (212) 675-1717		
Emergency Contact:	GUY ROBERTS (212) 675-1717		
Total Tanks:	0		
Owner:	ESTATE OF JOHN J. CASALE, C/O KEY TRUST - OF MAINE P.O. BOX 1054 AUGUSTA, MA 04330 (207) 623-4721		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	TARANTO & ASSOCIATES INC. ATTN: DAVID BRIMLOW 267 FIFTH AVENUE. SUITE 906 NEW YORK, NY 10016 (212) 686-6200		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank id:	002	Install Date:	10/01/1997
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	EPOXY LINER
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	10/01/1997	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/1993
Old PBS Number:	Not reported	Expiration Date:	09/14/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-601593	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	GUY ROBERTS (212) 675-1717		

TRIBECA MANAGEMENT (Continued) **U001736518**

Emergency Contact:	GUY ROBERTS (212) 675-1717		
Total Tanks:	0		
Owner:	ESTATE OF JOHN J. CASALE, C/O KEY TRUST - OF MAINE P.O. BOX 1054 AUGUSTA, MA 04330 (207) 623-4721		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	TARANTO & ASSOCIATES INC. ATTN: DAVID BRIMLOW 267 FIFTH AVENUE. SUITE 906 NEW YORK, NY 10016 (212) 686-6200		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	10/01/1997
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	10/01/1997	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/1993
Old PBS Number:	Not reported	Expiration Date:	09/14/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-601593	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	GUY ROBERTS (212) 675-1717		
Emergency Contact:	GUY ROBERTS (212) 675-1717		
Total Tanks:	0		
Owner:	ESTATE OF JOHN J. CASALE, C/O KEY TRUST - OF MAINE P.O. BOX 1054		

TRIBECA MANAGEMENT (Continued) **U001736518**

	AUGUSTA, MA 04330 (207) 623-4721		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	TARANTO & ASSOCIATES INC. ATTN: DAVID BRIMLOW 267 FIFTH AVENUE. SUITE 906 NEW YORK, NY 10016 (212) 686-6200		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	10/01/1997
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	NONE
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	10/01/1997	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/1993
Old PBS Number:	Not reported	Expiration Date:	09/14/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-601593	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	GUY ROBERTS (212) 675-1717		
Emergency Contact:	GUY ROBERTS (212) 675-1717		
Total Tanks:	0		
Owner:	ESTATE OF JOHN J. CASALE, C/O KEY TRUST - OF MAINE P.O. BOX 1054 AUGUSTA, MA 04330 (207) 623-4721		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		

TRIBECA MANAGEMENT (Continued) **U001736518**

Mailing Address:	TARANTO & ASSOCIATES INC. ATTN: DAVID BRIMLOW 267 FIFTH AVENUE. SUITE 906 NEW YORK, NY 10016 (212) 686-6200		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	10/01/1997
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	10/01/1997	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/1993
Old PBS Number:	Not reported	Expiration Date:	09/14/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

E14 **CON EDISON - EAST 19TH ST. STATION MGP** **VCP** **S105684678**
SSW **524 E. 19TH ST.** **N/A**
< 1/8 **NEW YORK, NY**
248 ft.

Site 1 of 6 in cluster E

Relative:
Equal

NY VCP:
Facility ID : V00542

Actual:
10 ft.

E15 SW < 1/8 249 ft. | **MENDON LEASING CORP** | **UST** | **U001831289** / **N/A**

542 WEST 19TH ST
NEW YORK, NY 10011

Site 2 of 6 in cluster E

Relative: Lower

Actual: 9 ft.

PBS UST:

PBS Number:	2-032239	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	THOMAS FASINI (516) 795-1137		
Total Tanks:	0		
Owner:	COTARD REALTY COMPANY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	COTARD REALTY COMPANY ATTN: JIM MCELHINNEY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - In Place		
Capacity (gals):	2200		
Tank Location:	UNDERGROUND		
Tank Id:	123	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1991	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/12/1992
Old PBS Number:	Not reported	Expiration Date:	12/02/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-032239	CBS Number:	Not reported

MENDON LEASING CORP (Continued) **U001831289**

SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	THOMAS FASINI (516) 795-1137		
Total Tanks:	0		
Owner:	COTARD REALTY COMPANY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	COTARD REALTY COMPANY ATTN: JIM MCELHINNEY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - Removed		
Capacity (gals):	3300		
Tank Location:	UNDERGROUND		
Tank Id:	023	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1991	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/12/1992
Old PBS Number:	Not reported	Expiration Date:	12/02/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-032239	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	THOMAS FASINI (516) 795-1137		
Total Tanks:	0		

MENDON LEASING CORP (Continued) **U001831289**

Owner:	COTARD REALTY COMPANY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	COTARD REALTY COMPANY ATTN: JIM MCELHINNEY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	01/01/1992	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/12/1992
Old PBS Number:	Not reported	Expiration Date:	12/02/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-032239	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	THOMAS FASINI (516) 795-1137		
Total Tanks:	0		
Owner:	COTARD REALTY COMPANY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		

MENDON LEASING CORP (Continued) **U001831289**

Owner Subtype:	Not reported		
Mailing Address:	COTARD REALTY COMPANY ATTN: JIM MCELHINNEY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	01/01/1992	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/12/1992
Old PBS Number:	Not reported	Expiration Date:	12/02/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-032239	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	THOMAS FASINI (516) 795-1137		
Total Tanks:	0		
Owner:	COTARD REALTY COMPANY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	COTARD REALTY COMPANY ATTN: JIM MCELHINNEY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		

MENDON LEASING CORP (Continued) **U001831289**

Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	01/01/1992	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/12/1992
Old PBS Number:	Not reported	Expiration Date:	12/02/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
3 additional NY PBS record(s) in the EDR Site Report.

E16
SSW
< 1/8
250 ft.

Relative:
Equal

Actual:
10 ft.

MUCCIO JOHN **RCRA-SQG 1000555587**
528 W 19TH ST **FINDS NYD986981272**
NEW YORK, NY 10011

Site 3 of 6 in cluster E

RCRAInfo:

Owner:	MENDON LEASING
	(212) 555-1212
EPA ID:	NYD986981272
Contact:	Not reported
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

MUCCIO JOHN (Continued) **1000555587**

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

E17
SSW
< 1/8
250 ft.

528 WEST 19TH ST
MANHATTAN, NY

NY Spills **S104951424**
N/A

Site 4 of 6 in cluster E

Relative:
Equal

Actual:
10 ft.

SPILLS:

True Date :	01/01/2002		
Spill Number:	0012509	Region of Spill:	2
Spill Date:	12/15/2000 12:00	Reported to Dept:	02/22/01 11:26
ID:	Not reported		
Date Call Received:	Not reported		
Region Close Date :	Not reported		
Material Spilled:	Not reported	Amount Spilled:	Not reported
Spill Cause:	Unknown	Resource Affected:	Groundwater
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

E18
SSW
< 1/8
250 ft.

528 WEST 19TH ST/MANH
528 WEST 19TH STREET
NEW YORK CITY, NY

LTANKS **S104275639**
N/A

Site 5 of 6 in cluster E

Relative:
Equal

Actual:
10 ft.

LTANKS:

Spill Number:	9011674	Region of Spill:	2
Spill Date:	02/06/1991 10:00	Reported to Dept:	02/06/91 15:14
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Failure		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9011674	Region of Spill:	2
Spill Date:	02/06/91	Reported to Dept:	/ /
ID:	152261	Date Call Received:	02/06/91
Material Spilled:	DIESEL	Amount Spilled:	-1 lbs.
Region Close Dt:	11/14/91		
Resource Affectd:	ON LAND		
Spill Cause:	TANK FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported

528 WEST 19TH ST/MANH (Continued) **S104275639**

Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: 02/06/91: NYCDEP TESTED NEARBY SEWERS,NO FINDINGS, DEC TO FOLLOW UP.
Spill Cause: 4) 550 GAL TANKS WERE DISCOVERED DURING A ROUTINE CON ED STREET PATROL,N YCDEP WAS TOLD THAT TANKS FAILED 10 YEAR PBS TEST IN 1990, TANKS WERE NO T IN USE BUT NOT CLOSED PROPERLY.

F19 **DANNY'S PARKING LOT** **NY Spills** **S102560422**
SE **161-165 10TH AVE** **N/A**
< 1/8 **MANHATTAN, NY**
251 ft.

Site 1 of 4 in cluster F

Relative: Higher

SPILLS:
True Date : 11/15/2004
Actual: 11 ft.
Spill Number: 9614310
Region of Spill: 2
Spill Date: 03/10/97
Reported to Dept: / /
ID: 245201
Date Call Received: 03/10/97

DANNY'S PARKING LOT (Continued) **S102560422**

Region Close Date : 03/05/04
Material Spilled: GASOLINE
Amount Spilled: Unknown Gal.
Spill Cause: ON LAND
Resource Affected: ON LAND
Water Affected: Not reported
Spill Source: GASOLINE STATION
Water Affected: Not reported
Spill Source: GASOLINE STATION
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : 04/18/97 mmm: DEC DID INSPECTION ON 4/11/97 AND OBSERVED GROSSLY CONTAMINATED SOILS BEING STOCKPILED FOR REMOVAL 150 TONS OUT). WASTE OIL TANK HAD LEAK AND ALSO CONTAMINATED PROPERTY. HARDPAN CLAY WAS ENCOUNTERED IN BOTTOM OF EXCAVATION AND MAY BE P
OSSIBLE BARRIER AGAINST ADDITIONAL VERTICAL MIGRATION. NEED TO ASSESS GROUNDWATER CONDTIONS.
Remark: PROPERTY WAS A GAS STATION PRIOR TO 1978 - TODAY 3 STEEL TANKS HOLDING 4000 GAL EACH HAVE BEEN EXCAVATED FROM PROPERTY - POSS ANOTHER TANK WILL BE EXCAVATED ALSO-TANKS WERE ENCASED IN CONCRETE TESTING FOR SOIL CONTAMINATION WAS POSITIVE-SOIL STOC
K PILED
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /

DANNY'S PARKING LOT (Continued) **S102560422**

Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

F20 SSE < 1/8 258 ft. **GETTY PETROLEUM CORP 58542** **RCRA-SQG 1001224068**
152 10TH AVE **FINDS NYR000052845**
NEW YORK, NY 10011

Relative: Higher **Actual: 11 ft.**

Site 2 of 4 in cluster F

RCRAInfo:
Owner: GETTY PETROLEUM CORP
(516) 286-2600
EPA ID: NYR000052845

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

CT MANIFEST

Click this hyperlink while viewing on your computer to access additional CT MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

F21 SSE < 1/8 258 ft. **GETTY 58542** **UST U001839223**
152 TENTH AVE **LTANKS N/A**
NY, NY 10011

Relative: Higher **Actual: 11 ft.**

Site 3 of 4 in cluster F

LTANKS:

Spill Number:	9210231	Region of Spill:	2
Spill Date:	12/03/1992 00:00	Reported to Dept:	12/03/92
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Unknown
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9210231	Region of Spill:	2
Spill Date:	12/03/92	Reported to Dept:	/ /
ID:	177259	Date Call Received:	12/03/92
Material Spilled:	UNKNOWN MATERIAL	Amount Spilled:	0 lbs.
Region Close Dt:	03/10/04		

GETTY 58542 (Continued) **U001839223**

Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Spill Source: UNKNOWN
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 4
Quantity Spilled: 0
Units: Pounds
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN MATERIAL
Class Type: Unknown
Chem Abstract Service Number: UNKNOWN MATERIAL
Last Date: 11/09/1994
Num Times Material Entry In File: 9140
DEC Remarks: Not reported
Spill Cause: ORIGINAL SPILL ASSIGNED TO O DOWD.

PBS UST:
PBS Number: 2-326267
CBS Number: Not reported
SPDES Number: Not reported
SWIS ID: 6201
Operator: L BARKER
(212) 675-5854
Emergency Contact: EDWARD WALDRON
(718) 729-6500

GETTY 58542 (Continued) **U001839223**

Total Tanks:	0		
Owner:	GETTY 125 JERICHO TURNPIKE JERICHO, NY 11753 (516) 338-1400		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	GETY ATTN: LUIS OCHONTORENA 30-23 GREENPOINT AVENUE LONG ISLAND CITY, NY 11101 (516) 694-9696		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	03/01/1998
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	09/01/1993	Next Test Date:	Not reported
Date Closed:	03/01/1998	Test Method:	UNKNOWN
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	02/19/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-326267	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	L BARKER (212) 675-5854		
Emergency Contact:	EDWARD WALDRON (718) 729-6500		
Total Tanks:	0		
Owner:	GETTY 125 JERICHO TURNPIKE JERICHO, NY 11753 (516) 338-1400		
Owner Type:	Corporate/Commercial		

GETTY 58542 (Continued) **U001839223**

Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	GETY ATTN: LUIS OCHONTORENA 30-23 GREENPOINT AVENUE LONG ISLAND CITY, NY 11101 (516) 694-9696		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	03/01/1998
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	09/01/1993	Next Test Date:	Not reported
Date Closed:	03/01/1998	Test Method:	UNKNOWN
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	02/19/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-326267	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	L BARKER (212) 675-5854		
Emergency Contact:	EDWARD WALDRON (718) 729-6500		
Total Tanks:	0		
Owner:	GETTY 125 JERICHO TURNPIKE JERICHO, NY 11753 (516) 338-1400		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	GETY ATTN: LUIS OCHONTORENA 30-23 GREENPOINT AVENUE LONG ISLAND CITY, NY 11101		

GETTY 58542 (Continued) **U001839223**

	(516) 694-9696		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	03/01/1998
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	09/01/1993	Next Test Date:	Not reported
Date Closed:	03/01/1998	Test Method:	UNKNOWN
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	02/19/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-326267	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	L BARKER		
	(212) 675-5854		
Emergency Contact:	EDWARD WALDRON		
	(718) 729-6500		
Total Tanks:	0		
Owner:	GETTY		
	125 JERICHO TURNPIKE		
	JERICHO, NY 11753		
	(516) 338-1400		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	GETY		
	ATTN: LUIS OCHONTORENA		
	30-23 GREENPOINT AVENUE		
	LONG ISLAND CITY, NY 11101		
	(516) 694-9696		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	03/01/1998
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE

GETTY 58542 (Continued) **U001839223**

Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	09/01/1993	Next Test Date:	Not reported
Date Closed:	03/01/1998	Test Method:	UNKNOWN
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	02/19/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-326267	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	L BARKER (212) 675-5854		
Emergency Contact:	EDWARD WALDRON (718) 729-6500		
Total Tanks:	0		
Owner:	GETTY 125 JERICHO TURNPIKE JERICHO, NY 11753 (516) 338-1400		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	GETY ATTN: LUIS OCHONTORENA 30-23 GREENPOINT AVENUE LONG ISLAND CITY, NY 11101 (516) 694-9696		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	03/01/1998
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		

GETTY 58542 (Continued) **U001839223**

Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	09/01/1993	Next Test Date:	Not reported
Date Closed:	02/01/1998	Test Method:	UNKNOWN
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	02/19/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
7 additional NY PBS record(s) in the EDR Site Report.

G22 **EMPIRE CITY SUBWAY CO LTD** **RCRA-SQG** **1000912482**
East **177-183 10TH AVE** **FINDS** **NY0000821736**
< 1/8 **NEW YORK, NY 10011**
266 ft.

Site 1 of 10 in cluster G

Relative:
Higher

Actual:
11 ft.

RCRAInfo:

Owner:	EMPIRE CITY SUBWAY CO LTD (212) 242-1173
EPA ID:	NY0000821736
Contact:	Not reported
Classification:	Small Quantity Generator
TSDF Activities:	Not reported
Violation Status:	No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access
additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

G23 **EMPIRE CITY SUBWAY CO LTD** **UST** **U003740181**
East **177-83 10TH AVENUE** **N/A**
< 1/8 **NEW YORK, NY 10011**
266 ft.

Site 2 of 10 in cluster G

Relative: Higher

Actual: 11 ft.

PBS UST:

PBS Number:	2-604451	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	HUGH GILLESPIE (212) 242-1173		
Emergency Contact:	HUGH GILLESPIE (212) 242-1173		
Total Tanks:	2		
Owner:	EMPIRE CITY SUBWAY CO 177-83 10TH AVENUE NEW YORK, NY 10011 (212) 242-1173		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	EMPIRE CITY SUBWAY CO ATTN: MR. HUGH GILLESPIE 177-83 10TH AVENUE NEW YORK, NY 10011 (212) 242-1173		
Tank Status:	In Service		
Capacity (gals):	3000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	01/01/1989
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	DIESEL
Tank Internal:	FIBERGLASS LINER [FRP]	Pipe Internal:	FIBERGLASS LINER [FRP]
Pipe Location:	Underground	Pipe Type:	FIBERGLASS [FRP]
Tank External:	FIBERGLASS/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	FIBERGLASS/NONE		
Second Containment:	DOUBLED-WALLED TANK/NONE		
Leak Detection:	INTERSTITIAL MONITORING/IN-TANK SYSTEM		
Overfill Prot:	High Level Alarm, Catch Basin	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	3250	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/29/2000
Old PBS Number:	Not reported	Expiration Date:	02/25/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

F24 **152-156 TENTH AVE/MANHATT** **LTANKS** **S104275542**
SSE **152-156 TENTH AVENUE** **N/A**
< 1/8 **NEW YORK CITY, NY**
268 ft.

Site 4 of 4 in cluster F

Relative:
Higher

Actual:
11 ft.

LTANKS:

Spill Number:	8903509	Region of Spill:	2
Spill Date:	04/06/1989 12:00	Reported to Dept:	07/07/89 11:23
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	Groundwater		
Spill Cause:	Tank Failure		
Water Affected:	Not reported	Spill Source:	Gas Station
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	8903509	Region of Spill:	2
Spill Date:	04/06/89	Reported to Dept:	/ /
ID:	131599	Date Call Received:	07/07/89
Material Spilled:	GASOLINE	Amount Spilled:	-1 lbs.
Region Close Dt:	08/24/89		
Resource Affectd:	GROUNDWATER		
Spill Cause:	TANK FAILURE		
Water Affected:	Not reported	Spill Source:	GASOLINE STATION
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	2-326267		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard:	Not reported
Recommended Penalty:	Not reported
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	Not reported
Spill Record Last Update:	/ /
Is Updated:	Not reported
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	/ /
Date Region Sent Summary to Central Office:	/ /

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	0
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported

152-156 TENTH AVE/MANHATT (Continued) **S104275542**

Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: STRONG GAS ODOR, DARK STAINS ON CONCRETE ASPHALT. DEC INSPECTED.

D25 **HERTZ PENSKE TRUCK LEASING INC** **RCRA-SQG** **1000423668**
North **542 W 21ST ST** **FINDS** **NYD981563430**
< 1/8 **NEW YORK, NY 10011**
270 ft.

Site 3 of 3 in cluster D

Relative: Lower

Actual: 9 ft.

RCRAInfo:
Owner: J & F RIZZO
(212) 555-1212
EPA ID: NYD981563430

Contact: J D CATAUDELLA
(212) 741-9803

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

H26 **STORAGE USA** **NY Spills** **S104953243**
ENE **510 WEST 21ST ST** **N/A**
< 1/8 **NYC, NY**
274 ft.

Site 1 of 5 in cluster H

Relative: Higher

Actual: 11 ft.

SPILLS:
True Date : 01/01/2002
Spill Number: 0012876 Region of Spill: 2
Spill Date: 03/07/2001 10:00 Reported to Dept: 03/07/01 11:00
ID: Not reported
Date Call Received: Not reported
Region Close Date : Not reported
Material Spilled: Not reported Amount Spilled: Not reported
Spill Cause: Equipment Failure Resource Affected: Groundwater
Water Affected: Not reported Spill Source: Private Dwelling
Tank Number: Not reported Tank Size : Not reported
Test Method: Not reported Leak Rate: Not reported
This is the most recent NY SPILLS record for this site.

STORAGE USA (Continued) **S104953243**

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

H27 ENE < 1/8 274 ft. **STORAGE USA** **510 WEST 21ST STREET** **NEW YORK, NY 10011** **UST** **U001834792** **N/A**

Site 2 of 5 in cluster H

Relative: Higher

Actual: 11 ft.

PBS UST:

PBS Number:	2-238325	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	STORAGE USA (212) 924-5111		
Emergency Contact:	KEVIN TALLMAN (410) 721-3666		
Total Tanks:	0		
Owner:	SUSA PARTNERSHIP, L.P. 2411 CROFTON LANE #5-B CROFTON, MD 21114 (410) 721-3666		
Owner Type:	Corporate/Commercial		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	STORAGE USA ATTN: KEVIN TALLMAN 2411 CROFTON LANE #5-B CROFTON, MD 21114 (410) 721-3666		
Tank Status:	Closed - In Place		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Above/Underground Combination	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Not reported
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	06/01/2001	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	08/15/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		

STORAGE USA (Continued) **U001834792**

Town or City Code: 01
County Code: 62
Region: 2

PBS OWNHIST
Operator: MORGAN & BROTHER MANHATAN STRG
Emergency: MR LARRY PANNONE
Emergency Tel: (718) 967-0409 Old PBSNO: Not reported
Facility Type: OTHER
Facility Owner: MORGAN & BROTHER MANHATAN STORAGE CO.
Facility Address: 510 W 21ST ST
510 W 21 ST ST
NY, NY 10011
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: 13-1815744
Owner: MORGAN & BROTHER MANHATAN STRG CO, INC.
Owner Tel: (212) 633-7800 Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: MORGAN & BROTHER MANHATAN STRG
510 WEST 21TH STREET
NY, NY 10011
Not reported
(212) 633-7800
Owner Mark: First Owner
Certify Date: 07/10/1997 Expiration: 07/10/1997
Total Capacity (Gal): 2000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6201
Facility Phone : (212) 633-7816
Num of Active Tanks : 1
Facility Owner: MORGAN & BROTHER MANHATAN STRG CO, INC.
Facility Address: 510 WEST 21TH STREET
NY, NY 10011
Owner Phone: (212) 633-7800
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 08/15/2001
Facility Record Updated: True

H28 **TIME WARNER CABLE / MANHATTAN CABLE** **UST** **U003074535**
ENE **511 WEST 21ST STREET** **AST** **N/A**
< 1/8 **NEW YORK, NY 10001** **NY Spills**
280 ft.

Site 3 of 5 in cluster H

Relative:
Higher

Actual:
11 ft.

SPILLS:
True Date : 01/01/2002
Spill Number: 0010394 Region of Spill: 2
Spill Date: 12/15/2000 14:10 Reported to Dept: 12/15/00 14:53
ID: Not reported
Date Call Received: Not reported
Region Close Date : Not reported
Material Spilled: Not reported Amount Spilled: Not reported

TIME WARNER CABLE / MANHATTAN CABLE (Continued) **U003074535**

Spill Cause:	Other	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

PBS UST:

PBS Number:	2-285919	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	TIME WARNER CABLE (212) 598-7357		
Emergency Contact:	TIME WARNER CABLE (212) 598-7357		
Total Tanks:	6		
Owner:	TIME WARNER CABLE OF NEW YORK CITY 120 EAST 23RD STREET NEW YORK, NY 10010 (212) 598-7357		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	TIME WARNER CABLE OF NEW YORK CITY ATTN: MS. VICKY MELENDEZ 120 EAST 23RD STREET NEW YORK, NY 10010 (212) 598-7357		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	101	Install Date:	03/01/1990
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	UNLEADED GASOLINE
Tank Internal:	FIBERGLASS LINER [FRP]	Pipe Internal:	FIBERGLASS LINER [FRP]
Pipe Location:	Underground	Pipe Type:	FIBERGLASS [FRP]
Tank External:	FIBERGLASS		
Missing Data for Tank:	No Missing Data		
Pipe External:	FIBERGLASS		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING		
Overfill Prot:	High Level Alarm, Catch Basin	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	11100	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/29/1997
Old PBS Number:	Not reported	Expiration Date:	07/20/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		

TIME WARNER CABLE / MANHATTAN CABLE (Continued) **U003074535**

County Code:	62		
Region:	2		
PBS Number:	2-285919	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	TIME WARNER CABLE (212) 598-7357		
Emergency Contact:	TIME WARNER CABLE (212) 598-7357		
Total Tanks:	6		
Owner:	TIME WARNER CABLE OF NEW YORK CITY 120 EAST 23RD STREET NEW YORK, NY 10010 (212) 598-7357		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	TIME WARNER CABLE OF NEW YORK CITY ATTN: MS. VICKY MELENDEZ 120 EAST 23RD STREET NEW YORK, NY 10010 (212) 598-7357		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	102	Install Date:	03/01/1990
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	UNLEADED GASOLINE
Tank Internal:	FIBERGLASS LINER [FRP]	Pipe Internal:	FIBERGLASS LINER [FRP]
Pipe Location:	Underground	Pipe Type:	FIBERGLASS [FRP]
Tank External:	FIBERGLASS		
Missing Data for Tank:	No Missing Data		
Pipe External:	FIBERGLASS		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING		
Overfill Prot:	High Level Alarm, Catch Basin	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	11100	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/29/1997
Old PBS Number:	Not reported	Expiration Date:	07/20/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-285919	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	TIME WARNER CABLE		

TIME WARNER CABLE / MANHATTAN CABLE (Continued) **U003074535**

	(212) 598-7357		
Emergency Contact:	TIME WARNER CABLE (212) 598-7357		
Total Tanks:	6		
Owner:	TIME WARNER CABLE OF NEW YORK CITY 120 EAST 23RD STREET NEW YORK, NY 10010 (212) 598-7357		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	TIME WARNER CABLE OF NEW YORK CITY ATTN: MS. VICKY MELENDEZ 120 EAST 23RD STREET NEW YORK, NY 10010 (212) 598-7357		
Tank Status:	In Service		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	103	Install Date:	03/01/1990
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	OTHER
Tank Internal:	FIBERGLASS LINER [FRP]	Pipe Internal:	FIBERGLASS LINER [FRP]
Pipe Location:	Underground	Pipe Type:	FIBERGLASS [FRP]
Tank External:	FIBERGLASS		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	FIBERGLASS		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING		
Overfill Prot:	High Level Alarm	Dispenser:	Not reported
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	11100	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/29/1997
Old PBS Number:	Not reported	Expiration Date:	07/20/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS AST:

PBS Number:	2-285919	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	TIME WARNER CABLE OF NEW YORK CITY		

TIME WARNER CABLE / MANHATTAN CABLE (Continued) **U003074535**

	120 EAST 23RD STREET NEW YORK, NY 10010		
Owner Phone:	(212) 598-7357		
Facility Phone:	(212) 598-7357		
Operator:	TIME WARNER CABLE		
Emergency Name:	TIME WARNER CABLE		
Emergency Phone:	(212) 598-7357		
Total Tanks:	6		
Total Capacity:	11100		
Tank ID:	104		
Capacity (Gal):	275		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	OTHER		
Tank Type:	Steel/carbon steel		
Install Date:	05/01/1994		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	PREFABRICATED STEEL DIKE		
Pipe Type:	Not reported		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	Not reported		
Overfill Protection:	Float Vent Valve		
Dispenser Method:	Not reported		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	TIME WARNER CABLE OF NEW YORK CITY		
Mailing Address:	120 EAST 23RD STREET NEW YORK, NY 10010		
Mailing Contact:	MS. VICKY MELENDEZ		
Mailing Telephone:	(212) 598-7357		
Owner Mark:	First Owner	Expiration Date:	07/20/2002
Certification Flag:	False	Certification Date:	10/29/1997
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	Minor data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-285919	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Corporate/Commercial		

TIME WARNER CABLE / MANHATTAN CABLE (Continued) **U003074535**

Owner Sub Type:	Not reported		
Owner:	TIME WARNER CABLE OF NEW YORK CITY 120 EAST 23RD STREET NEW YORK, NY 10010		
Owner Phone:	(212) 598-7357		
Facility Phone:	(212) 598-7357		
Operator:	TIME WARNER CABLE		
Emergency Name:	TIME WARNER CABLE		
Emergency Phone:	(212) 598-7357		
Total Tanks:	6		
Total Capacity:	11100		
Tank ID:	105		
Capacity (Gal):	275		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	OTHER		
Tank Type:	Steel/carbon steel		
Install Date:	03/01/1990		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	Not reported		
Pipe Type:	Not reported		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	Not reported		
Overfill Protection:	Not reported		
Dispenser Method:	Not reported		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	TIME WARNER CABLE OF NEW YORK CITY		
Mailing Address:	120 EAST 23RD STREET NEW YORK, NY 10010		
Mailing Contact:	MS. VICKY MELENDEZ		
Mailing Telephone:	(212) 598-7357		
Owner Mark:	First Owner	Expiration Date:	07/20/2002
Certification Flag:	False	Certification Date:	10/29/1997
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	Minor data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-285919	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		

TIME WARNER CABLE / MANHATTAN CABLE (Continued) **U003074535**

Facility Type:	OTHER		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	TIME WARNER CABLE OF NEW YORK CITY 120 EAST 23RD STREET NEW YORK, NY 10010		
Owner Phone:	(212) 598-7357		
Facility Phone:	(212) 598-7357		
Operator:	TIME WARNER CABLE		
Emergency Name:	TIME WARNER CABLE		
Emergency Phone:	(212) 598-7357		
Total Tanks:	6		
Total Capacity:	11100		
Tank ID:	001		
Capacity (Gal):	2000		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	NONE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	False	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	TIME WARNER CABLE OF NEW YORK CITY		
Mailing Address:	120 EAST 23RD STREET NEW YORK, NY 10010		
Mailing Contact:	MS. VICKY MELENDEZ		
Mailing Telephone:	(212) 598-7357		
Owner Mark:	First Owner	Expiration Date:	07/20/2002
Certification Flag:	False	Certification Date:	10/29/1997
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	Minor data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

H29 ENE < 1/8 280 ft. | **GOLDBERG 511 WEST 21TH ST. MANHATTAN, NY** | **NY Spills** | **S102142038 N/A**

Site 4 of 5 in cluster H

Relative: Higher

Actual: 11 ft.

SPILLS:

True Date : 11/15/2004
Spill Number: 8907798 | Region of Spill: 2
Spill Date: 11/06/89 | Reported to Dept: / /
ID: 135866
Date Call Received: 11/06/89
Region Close Date : 02/27/03
Material Spilled: #2 FUEL OIL | Amount Spilled: 0 lbs.
Spill Cause: ON LAND | Resource Affected: ON LAND
Water Affected: Not reported | Spill Source: UNKNOWN
Water Affected: Not reported | Spill Source: UNKNOWN
Facility Contact: Not reported | Facility Tele: Not reported
Investigator: Not reported | SWIS: Not reported
Caller Name: Not reported | Caller Agency: Not reported
Caller Phone: Not reported | Caller Extension: Not reported
Notifier Name: Not reported | Notifier Agency: Not reported
Notifier Phone: Not reported | Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported | Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: MR. CROWLEY OWNS SIX UNDERGROUND STORAGE TANKS. OIL COMING UP OUT OF GROUND AND GROUNDWATER.
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Pounds
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
Spill Closed Dt: / /
Spill Notifier: Not reported | PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / / | Cleanup Meets Std: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ / | Enforcement Date: / /
Invstgn Complete:/ / | UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported

GOLDBERG (Continued) **S102142038**

Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

E30 South < 1/8 285 ft. **501-513 W. 19TH STREET** **LTANKS** **S101340991**
513 W. 19TH STREET **N/A**
MANHATTAN, NY

Site 6 of 6 in cluster E

Relative: Higher

Actual: 11 ft.

LTANKS:

Spill Number:	9406402	Region of Spill:	2
Spill Date:	08/10/1994 17:00	Reported to Dept:	08/10/94 09:23
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Failure		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9406402	Region of Spill:	2
Spill Date:	08/10/94	Reported to Dept:	/ /
ID:	203516	Date Call Received:	08/10/94
Material Spilled:	DIESEL	Amount Spilled:	-1 lbs.
Region Close Dt:	Not closed		
Resource Affectd:	ON LAND		
Spill Cause:	TANK FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard:	Not reported
Recommended Penalty:	Not reported
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	Not reported
Spill Record Last Update:	/ /
Is Updated:	Not reported
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	/ /

501-513 W. 19TH STREET (Continued) **S101340991**

Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: Not reported
Spill Cause: STUCK PROBE IN GROUND FOUND CONTAMINATED SOIL AT 9 FEET. WILL PULL TANKS OUT -ONCE THEY CAN SEE ALL CONTAMINATED SOIL THEY CAN REMOVE IT STUCK PI LE.

G31 **506-509 W 21ST & 22ND STS** **NY Spills** **S104495327**
ENE **509 WEST 21ST** **N/A**
< 1/8 **NYC, NY**
288 ft.

Site 3 of 10 in cluster G

Relative: Higher

Actual: 11 ft.

SPILLS:
True Date : 11/15/2004
Spill Number: 9112111 Region of Spill: 2
Spill Date: 02/26/92 Reported to Dept: / /
ID: 165863
Date Call Received: 02/26/92
Region Close Date : 12/17/97
Material Spilled: GASOLINE Amount Spilled: -1 Gal.
Spill Cause: ON LAND Resource Affected: ON LAND
Water Affected: Not reported Spill Source: OTHER COMM/INDUSTRIAL
Water Affected: Not reported Spill Source: OTHER COMM/INDUSTRIAL
Facility Contact: Not reported Facility Tele: Not reported
Investigator: Not reported SWIS: Not reported
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : SEE FILE. SEE ALSO 95-10154 96-10012.
Remark: VACANT LOT WITH GAS PUMPS.
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported

506-509 W 21ST & 22ND STS (Continued) **S104495327**

Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Gallons
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
Spill Closed Dt: / /
Spill Notifier: Not reported PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std:Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

G32 **SERVICE BOX 3769** **NY Spills** **S104506445**
ENE **508 WEST 21ST ST** **N/A**
< 1/8 **MANHATTAN, NY**
288 ft.

Site 4 of 10 in cluster G

Relative: Higher

Actual: 11 ft.

SPILLS:
True Date : 11/15/2004
Spill Number: 9812312 Region of Spill: 2
Spill Date: 01/05/99 Reported to Dept: / /
ID: 73415
Date Call Received: 01/05/99
Region Close Date : 01/08/04
Material Spilled: UNKNOWN PETROLEUM Amount Spilled: 1 Gal.
Spill Cause: ON LAND Resource Affected: ON LAND
Water Affected: Not reported Spill Source: UNKNOWN
Water Affected: Not reported Spill Source: UNKNOWN
Facility Contact: Not reported Facility Tele: Not reported
Investigator: Not reported SWIS: Not reported
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported

SERVICE BOX 3769 (Continued) **S104506445**

DEC Remarks : Not reported
Remark: 1 GAL OF UNK OIL POSS ANTI-FREEZE) ON TOP OF 25 GAL OF WATER - CONTAINED IN THE BOX - CASE 122242
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 1
Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414
Spill Closed Dt: / /
Spill Notifier: Not reported PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

G33 **507 WEST 21ST STREET** **LTANKS** **S102660672**
ENE **507 WEST 21ST STREET** **N/A**
< 1/8 **NEW YORK, NY**
298 ft.

Site 5 of 10 in cluster G

Relative: Higher

Actual: 11 ft.

LTANKS:
Spill Number: 9510154 Region of Spill: 2
Spill Date: 06/08/1993 12:00 Reported to Dept: 11/14/95 12:25
ID: Not reported Date Call Received: Not reported
Material Spilled: Not reported Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported Spill Source: Gas Station
Tank Number: Not reported Tank Size: Not reported
Test Method: Not reported Leak Rate: Not reported

Spill Number: 9510154 Region of Spill: 2

507 WEST 21ST STREET (Continued) **S102660672**

Spill Date: 06/08/93
ID: 224300
Material Spilled: DIESEL
GASOLINE
Region Close Dt: 12/17/97
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No

Reported to Dept: / /
Date Call Received: 11/14/95
Amount Spilled: Unknown Gal.
Unknown Gal.
Spill Source: GASOLINE STATION
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

507 WEST 21ST STREET (Continued) **S102660672**

Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: SEE FILE. SEE ALSO 91-12111 96-10012.
Spill Cause: 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)

G34 **THE HENRY LLOYD COMPANY** **UST** **U003127203**
ENE **507 WEST 21ST STREET** **N/A**
< 1/8 **NEW YORK, NY 10021**
298 ft.

Site 6 of 10 in cluster G

Relative: Higher

Actual: 11 ft.

PBS UST:

PBS Number:	2-602777	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	ARTHUR SHAPOLSKY (212) 244-1762		
Emergency Contact:	ARTHUR SHAPOLSKY (212) 244-1762		
Total Tanks:	0		
Owner:	THE HENRY LLOYD COMPANY 348 WEST 42ND STREET NEW YORK, NY 10036 (212) 244-1762		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	THE HENRY LLOYD COMPANY ATTN: ARTHUR SHAPOLSKY 348 WEST 42ND STREET NEW YORK, NY 10036 (212) 244-1762		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing

THE HENRY LLOYD COMPANY (Continued) **U003127203**

Certification Flag:	False	Certification Date:	09/19/1996
Old PBS Number:	Not reported	Expiration Date:	09/16/2001
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-602777	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	ARTHUR SHAPOLSKY (212) 244-1762		
Emergency Contact:	ARTHUR SHAPOLSKY (212) 244-1762		
Total Tanks:	0		
Owner:	THE HENRY LLOYD COMPANY 348 WEST 42ND STREET NEW YORK, NY 10036 (212) 244-1762		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	THE HENRY LLOYD COMPANY ATTN: ARTHUR SHAPOLSKY 348 WEST 42ND STREET NEW YORK, NY 10036 (212) 244-1762		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/19/1996
Old PBS Number:	Not reported	Expiration Date:	09/16/2001
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		

THE HENRY LLOYD COMPANY (Continued) **U003127203**

Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-602777	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	ARTHUR SHAPOLSKY (212) 244-1762		
Emergency Contact:	ARTHUR SHAPOLSKY (212) 244-1762		
Total Tanks:	0		
Owner:	THE HENRY LLOYD COMPANY 348 WEST 42ND STREET NEW YORK, NY 10036 (212) 244-1762		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	THE HENRY LLOYD COMPANY ATTN: ARTHUR SHAPOLSKY 348 WEST 42ND STREET NEW YORK, NY 10036 (212) 244-1762		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/19/1996
Old PBS Number:	Not reported	Expiration Date:	09/16/2001
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-602777	CBS Number:	Not reported

THE HENRY LLOYD COMPANY (Continued) **U003127203**

SPDES Number:	Not reported	SWIS ID:	6201
Operator:	ARTHUR SHAPOLSKY (212) 244-1762		
Emergency Contact:	ARTHUR SHAPOLSKY (212) 244-1762		
Total Tanks:	0		
Owner:	THE HENRY LLOYD COMPANY 348 WEST 42ND STREET NEW YORK, NY 10036 (212) 244-1762		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	THE HENRY LLOYD COMPANY ATTN: ARTHUR SHAPOLSKY 348 WEST 42ND STREET NEW YORK, NY 10036 (212) 244-1762		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/19/1996
Old PBS Number:	Not reported	Expiration Date:	09/16/2001
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-602777	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	ARTHUR SHAPOLSKY (212) 244-1762		
Emergency Contact:	ARTHUR SHAPOLSKY (212) 244-1762		
Total Tanks:	0		

THE HENRY LLOYD COMPANY (Continued) **U003127203**

Owner:	THE HENRY LLOYD COMPANY 348 WEST 42ND STREET NEW YORK, NY 10036 (212) 244-1762		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	THE HENRY LLOYD COMPANY ATTN: ARTHUR SHAPOLSKY 348 WEST 42ND STREET NEW YORK, NY 10036 (212) 244-1762		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/19/1996
Old PBS Number:	Not reported	Expiration Date:	09/16/2001
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
10 additional NY PBS record(s) in the EDR Site Report.

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
G35 ENE < 1/8 298 ft.	**HENRY & LLOYD CO THE 507 W 21ST ST NEW YORK, NY 10036**	**RCRA-SQG FINDS**	**1001124824 NYR000031443**

Site 7 of 10 in cluster G

Relative: Higher

Actual: 11 ft.

RCRAInfo:

Owner: THE HENRY & LLOYD CO
(212) 581-6500

EPA ID: NYR000031443

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

G36 ENE < 1/8 298 ft.	**507 W 21ST ST 507 W 21ST ST MANHATTAN, NY**	**NY Spills**	**S104502468 N/A**

Site 8 of 10 in cluster G

Relative: Higher

Actual: 11 ft.

SPILLS:

True Date :	11/15/2004		
Spill Number:	9610012	Region of Spill:	2
Spill Date:	11/11/96	Reported to Dept:	/ /
ID:	240940		
Date Call Received:	11/11/96		
Region Close Date :	12/17/97		
Material Spilled:	Not reported	Amount Spilled:	Not reported
Spill Cause:	ON LAND	Resource Affected:	ON LAND
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
DEC Remarks :	SEE FILE. SEE ALSO 91-1211 95-10154.		
Remark:	during tank pull contaminated soil found		
Spill Class:	Not reported		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported

507 W 21ST ST (Continued) **S104502468**

Gross Leak Rate: Not reported
Material:
Material Class Type: Not reported
Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported
Num Times Material Entry In File: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

G37 **VACANT LOT** **NY Spills** **S104495978**
ENE **507 WEST 21ST STREET** **N/A**
< 1/8 **NEW YORK, NY**
298 ft.

Site 9 of 10 in cluster G

Relative: Higher

SPILLS:
True Date : 11/15/2004

Actual: 11 ft.

Spill Number: 9416028
Region of Spill: 2
Spill Date: 03/11/95
Reported to Dept: / /
ID: 213076
Date Call Received: 03/11/95
Region Close Date : 01/02/96
Material Spilled: UNKNOWN PETROLEUM
Amount Spilled: 60 Gal.
Spill Cause: ON LAND
Resource Affected: ON LAND
Water Affected: Not reported
Spill Source: OTHER COMM/INDUSTRIAL
Water Affected: Not reported
Spill Source: OTHER COMM/INDUSTRIAL
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: DEMOLITION DUMPSTER, 20 GALLONS IN MANHOLE COVER, CON EDISON TOOK

VACANT LOT (Continued) **S104495978**

SAMPLES. REQ CONTACT BY NYSDEC.
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 60
Units: Gallons
Unknown Qty Spilled: 60
Quantity Recovered: 60
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414
Spill Closed Dt: / /
Spill Notifier: Not reported PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / / Cleanup Meets Std:Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ / Enforcement Date: / /
Invstgn Complete:/ / UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

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38 North < 1/8 309 ft. **PENSKE TRUCK LEASING CO L P** **RCRA-SQG 1000382744**
550 W 21ST ST **FINDS NYD981563448**
NEW YORK, NY 10011

Relative: Lower
Actual: 9 ft.

RCRAInfo:
Owner: LESLIE GARFIELD
(212) 555-1212
EPA ID: NYD981563448
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported

PENSKE TRUCK LEASING CO L P (Continued) **1000382744**

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

G39 ENE < 1/8 332 ft. **RESIDENCE 188 10TH AVE NEW YORK, NY** **NY Spills** **S104651833 N/A**

Site 10 of 10 in cluster G

Relative: Higher

Actual: 11 ft.

SPILLS:

True Date :	01/01/2002		
Spill Number:	0000570	Region of Spill:	2
Spill Date:	04/14/2000 10:51	Reported to Dept:	04/14/00 13:12
ID:	Not reported		
Date Call Received:	Not reported		
Region Close Date :	Not reported		
Material Spilled:	Not reported	Amount Spilled:	Not reported
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Private Dwelling
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

---

40 SSE < 1/8 367 ft. **131 10TH AVENUE 131 10TH AVENUE NEW YORK, NY, NY** **NY Spills** **S102149458 N/A**

Relative: Higher

Actual: 11 ft.

SPILLS:

True Date :	11/15/2004		
Spill Number:	9414276	Region of Spill:	2
Spill Date:	01/27/95	Reported to Dept:	/ /
ID:	211330		
Date Call Received:	01/27/95		
Region Close Date :	01/27/95		
Material Spilled:	GASOLINE	Amount Spilled:	-1 Gal.
Spill Cause:	ON LAND	Resource Affected:	ON LAND
Water Affected:	Not reported	Spill Source:	UNKNOWN
Water Affected:	Not reported	Spill Source:	UNKNOWN
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		

131 10TH AVENUE (Continued) **S102149458**

Spiller Address: Not reported
DEC Remarks : Not reported
Remark: WATER MAIN BREAK - BRINGING GASOLINE VAPORS TO SURFACE TO STREET. FD ON SCENE, DEP RESPONDING REQUESTED DEC ON SCENE, 2205 DEC AUSTIN) ARRIVED ON SCENE, FD / DEC , NO VAPORS, 131 10TH AVE TANK CLOSE
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Gallons
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

H41 **201 ST & 10 AVE/SHELL** **NY Spills** **S102142377**
ENE **201 ST / 10 AVENUE** **N/A**
< 1/8 **NEW YORK CITY, NY**
390 ft.

Site 5 of 5 in cluster H

Relative: Higher

SPILLS:
True Date : 11/15/2004

Actual: 11 ft.

Spill Number: 8807698
Region of Spill: 2
Spill Date: 10/25/88
Reported to Dept: / /
ID: 125627
Date Call Received: 12/21/88
Region Close Date : 11/20/03
Material Spilled: GASOLINE
Amount Spilled: -1 lbs.
Spill Cause: GROUNDWATER
Resource Affected: GROUNDWATER
Water Affected: Not reported
Spill Source: GASOLINE STATION
Water Affected: Not reported
Spill Source: GASOLINE STATION

201 ST & 10 AVE/SHELL (Continued) **S102142377**

Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: HANDEX CHECKING MONITORING WELLS, DICOVERED PRODUCT LEAKAGE, WELL 1 ON 3761 10TH AVENUE HAD .01FT OF PRODUCT.
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /

This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
42 ENE < 1/8 437 ft.	**193 10TH AVE 193 10TH AVE MANHATTAN, NY**	**LTANKS**	**S102672077 N/A**

Relative: Higher

Actual: 11 ft.

LTANKS:

Spill Number: 9211918
Spill Date: 01/19/1993 12:45
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 01/19/93 13:37
Date Call Received: Not reported
Amount Spilled: Not reported

Spill Source: Tank Truck
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 9211918
Spill Date: 01/19/93
ID: 178954
Material Spilled: #2 FUEL OIL
Region Close Dt: 01/19/93
Resource Affectd: ON LAND
Spill Cause: TANK OVERFILL
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 01/19/93
Amount Spilled: 10 Gal.

Spill Source: TANK TRUCK
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

193 10TH AVE (Continued) **S102672077**

Material Class Type: 1
Quantity Spilled: 10
Units: Gallons
Unknown Qty Spilled: 10
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: CONTAINED ON CONCRETE-CLEANUP IS DONE BY SPILLER CREW

I43
SSW
< 1/8
503 ft.

MENDON LEASING CORP
515 W 18TH ST
NEW YORK, NY 10011

RCRA-SQG 1004759829
FINDS NYR000022665

Site 1 of 6 in cluster I

Relative: Higher

Actual: 11 ft.

RCRAInfo:
Owner: COTARD REALTY ASSOCIATES
(718) 389-2100
EPA ID: NYR000022665

Contact: RICHARD RICCO
(212) 255-0900

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

I44
SSW
< 1/8
503 ft.

MENDON LEASING CORP
515 WEST 18TH ST
NEW YORK, NY 10011

UST U003159461
N/A

Site 2 of 6 in cluster I

Relative: Higher

Actual: 11 ft.

PBS UST:
PBS Number: 2-032212
SPDES Number: Not reported
Operator: THOMAS P. FASINI
(212) 255-0900
Emergency Contact: THOMAS P. FASINI
(516) 795-1197
Total Tanks: 1
Owner: COTARD REALTY ASSOCIATES
362 KINGSLAND AVE
BROOKLYN, NY 11222
(718) 389-2100

CBS Number: Not reported
SWIS ID: 6201

MENDON LEASING CORP (Continued) **U003159461**

Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	COTARD REALTY ASSOCIATES ATTN: THOMAS P. FASINI 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - In Place		
Capacity (gals):	1500		
Tank Location:	UNDERGROUND		
Tank Id:	012A	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	01/01/1997	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	4000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	12/02/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-032212	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	THOMAS P. FASINI (212) 255-0900		
Emergency Contact:	THOMAS P. FASINI (516) 795-1197		
Total Tanks:	1		
Owner:	COTARD REALTY ASSOCIATES 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	COTARD REALTY ASSOCIATES ATTN: THOMAS P. FASINI 362 KINGSLAND AVE		

MENDON LEASING CORP (Continued) **U003159461**

	BROOKLYN, NY 11222		
	(718) 389-2100		
Tank Status:	Closed - In Place		
Capacity (gals):	1500		
Tank Location:	UNDERGROUND		
Tank Id:	012B	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	01/01/1997	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	4000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	12/02/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-032212	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	THOMAS P. FASINI		
	(212) 255-0900		
Emergency Contact:	THOMAS P. FASINI		
	(516) 795-1197		
Total Tanks:	1		
Owner:	COTARD REALTY ASSOCIATES		
	362 KINGSLAND AVE		
	BROOKLYN, NY 11222		
	(718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	COTARD REALTY ASSOCIATES		
	ATTN: THOMAS P. FASINI		
	362 KINGSLAND AVE		
	BROOKLYN, NY 11222		
	(718) 389-2100		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	123A	Install Date:	Not reported

MENDON LEASING CORP (Continued) **U003159461**

Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	02/01/1996	Next Test Date:	Not reported
Date Closed:	01/01/1999	Test Method:	PETRO-TITE
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	4000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	12/02/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-032212	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	THOMAS P. FASINI (212) 255-0900		
Emergency Contact:	THOMAS P. FASINI (516) 795-1197		
Total Tanks:	1		
Owner:	COTARD REALTY ASSOCIATES 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	COTARD REALTY ASSOCIATES ATTN: THOMAS P. FASINI 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	123B	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		

MENDON LEASING CORP (Continued) **U003159461**

Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	02/01/1996	Next Test Date:	Not reported
Date Closed:	01/01/1999	Test Method:	PETRO-TITE
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	4000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	12/02/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-032212	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	THOMAS P. FASINI (212) 255-0900		
Emergency Contact:	THOMAS P. FASINI (516) 795-1197		
Total Tanks:	1		
Owner:	COTARD REALTY ASSOCIATES 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	COTARD REALTY ASSOCIATES ATTN: THOMAS P. FASINI 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	123C	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	02/01/1996	Next Test Date:	Not reported
Date Closed:	01/01/1999	Test Method:	PETRO-TITE
Deleted:	False	Updated:	True

MENDON LEASING CORP (Continued) **U003159461**

Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	4000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	12/02/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
1 additional NY PBS record(s) in the EDR Site Report.

I45 515 W 18 ST **NY Spills** **S104502660**
SSW 515 WEST 18TH ST **N/A**
< 1/8 MANHATTEN, NY
503 ft.

Site 3 of 6 in cluster I

Relative: Higher

Actual: 11 ft.

SPILLS:

True Date :	11/15/2004		
Spill Number:	9612012	Region of Spill:	2
Spill Date:	01/06/97	Reported to Dept:	/ /
ID:	242908		
Date Call Received:	01/06/97		
Region Close Date :	Not closed		
Material Spilled:	DIESEL	Amount Spilled:	0 Gal.
Spill Cause:	ON LAND	Resource Affected:	ON LAND
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		

DEC Remarks : 9514181 TANK TEST FAILURE. ORIGINALLY ASSIGNED TO MARTINKAT - FILE TRANSFERRED TO MULQUEEN

Remark: THE CALLERS COMPANY WAS HIRED TO REPLACE 2 1500 GALLON TANKS WITH 1 4000 GALLON TANK AND THEY DISCOVERED CONTAMINATED SOIL AROUND THE AREA OF THE TANKS - SOIL IS BEING EXCAVATED

Spill Class: Not reported

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported

515 W 18 ST (Continued) **S104502660**

Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

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I46 SSW < 1/8 503 ft. **MENDON LEASING CORP.** **LTANKS** **S102232664**
515 WEST 18TH STREET **N/A**
NYC, NY

Site 4 of 6 in cluster I

Relative: Higher

Actual: 11 ft.

LTANKS:
Spill Number: 9514181
Region of Spill: 2
Spill Date: 02/07/1996 11:30
Reported to Dept: 02/07/96 12:40
ID: Not reported
Date Call Received: Not reported
Material Spilled: Not reported
Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Spill Source: Other Non Commercial/Industrial
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported

Spill Number: 9514181
Region of Spill: 2
Spill Date: 02/07/96
Reported to Dept: / /
ID: 228277
Date Call Received: 02/07/96
Material Spilled: Not reported
Amount Spilled: Not reported
Region Close Dt: Not closed
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported

MENDON LEASING CORP. (Continued) **S102232664**

Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: 4n5
Test Method: Petro-Tite
Capacity of Failed Tank: 1500
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: Not reported
Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported
Num Times Material Entry In File: Not reported
DEC Remarks: ORIGINALLY ASSIGNED TO MARTINKAT - FILE TRANSFERRED TO MULQUEEN
Spill Cause: tank test failure.

---

47 NE < 1/8 508 ft. **MANHOLE 24185**
518 - 22 W 204 ST
MANHATTAN, NY
NY Spills **S103939162**
N/A

Relative: Equal
Actual: 10 ft.

SPILLS:
True Date : 11/15/2004
Spill Number: 9903826
Region of Spill: 2
Spill Date: 07/02/99
Reported to Dept: / /
ID: 81852
Date Call Received: 07/02/99
Region Close Date : 01/30/04
Material Spilled: UNKNOWN PETROLEUM
Amount Spilled: 5 Gal.

MANHOLE 24185 (Continued) **S103939162**

Spill Cause: ON LAND
Resource Affected: ON LAND
Water Affected: Not reported
Spill Source: UNKNOWN
Water Affected: Not reported
Spill Source: UNKNOWN
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: 5 GAL FOUND IN MANHOLE ON 250 GAL WATER. SAMPLE TAKEN CLEANUP PENDING TEST RESULTS 126050
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 5
Units: Gallons
Unknown Qty Spilled: 5
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /

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I48
South
< 1/8
531 ft.

NY Spills **S105234708**
N/A

18TH ST/10TH AVE
MANHATTAN, NY

Site 5 of 6 in cluster I

Relative:
Higher

Actual:
11 ft.

SPILLS:

True Date :	01/01/2002		
Spill Number:	0107030	Region of Spill:	2
Spill Date:	10/06/2001 12:45	Reported to Dept:	10/06/01 13:50
ID:	Not reported		
Date Call Received:	Not reported		
Region Close Date :	Not reported		
Material Spilled:	Not reported	Amount Spilled:	Not reported
Spill Cause:	Unknown	Resource Affected:	In Sewer
Water Affected:	Not reported	Spill Source:	Commercial Vehicle
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

I49
South
< 1/8
534 ft.

UST **U001831290**
N/A

MENDON LEASING CORP
131 TENTH AVE
NEW YORK, NY 10011

Site 6 of 6 in cluster I

Relative:
Higher

Actual:
11 ft.

PBS UST:

PBS Number:	2-032255	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	THOMAS FASINI (516) 795-1193		
Total Tanks:	0		
Owner:	COTARD REATLY ASSOCIATES 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	COTARD REATLY ASSOCIATES 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction

MENDON LEASING CORP (Continued) **U001831290**

Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/22/1992
Old PBS Number:	Not reported	Expiration Date:	12/02/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-032255	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	THOMAS FASINI (516) 795-1193		
Total Tanks:	0		
Owner:	COTARD REATLY ASSOCIATES 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	COTARD REATLY ASSOCIATES 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported

MENDON LEASING CORP (Continued) **U001831290**

Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/22/1992
Old PBS Number:	Not reported	Expiration Date:	12/02/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-032255	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	THOMAS FASINI (516) 795-1193		
Total Tanks:	0		
Owner:	COTARD REATLY ASSOCIATES 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	COTARD REATLY ASSOCIATES 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/22/1992
Old PBS Number:	Not reported	Expiration Date:	12/02/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		

MENDON LEASING CORP (Continued) **U001831290**

Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-032255	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	THOMAS FASINI (516) 795-1193		
Total Tanks:	0		
Owner:	COTARD REATLY ASSOCIATES 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	COTARD REATLY ASSOCIATES 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/22/1992
Old PBS Number:	Not reported	Expiration Date:	12/02/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

50 North < 1/8 543 ft. — **DIA ART FOUNDATION**, **548 W 22ND ST**, **NEW YORK, NY 10011** — **UST** **U003074426**, **AST** **N/A**

Relative: Lower

Actual: 8 ft.

PBS UST:

PBS Number:	2-272256	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	JAMES P SCHAEUFELE (212) 242-0125		
Emergency Contact:	JAMES P SCHAEUFELE (212) 334-8141		
Total Tanks:	0		
Owner:	DIA ART FOUNDATION 155 MERCER NEW YORK, NY 10012 (212) 431-9232		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DIA ART FOUNDATION 155 MERCER NEW YORK, NY 10012 (212) 431-9232		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	12/01/1990	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	06/18/1987
Old PBS Number:	Not reported	Expiration Date:	06/18/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS AST:

PBS Number:	2-272256	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported

DIA ART FOUNDATION (Continued) **U003074426**

Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.		
Facility Type:	Not reported		
Owner Type:	Not reported		
Owner Sub Type:	Not reported		
Owner:	DIA ART FOUNDATION 155 MERCER NEW YORK, NY 10012		
Owner Phone:	(212) 431-9232		
Facility Phone:	(212) 242-0125		
Operator:	JAMES P SCHAEUFELE		
Emergency Name:	JAMES P SCHAEUFELE		
Emergency Phone:	(212) 334-8141		
Total Tanks:	0		
Total Capacity:	0		
Tank ID:	002		
Capacity (Gal):	275		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	09/01/1990		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	VAULT		
Pipe Type:	STEEL/IRON		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Gravity		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	08/01/1996	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	DIA ART FOUNDATION		
Mailing Address:	155 MERCER NEW YORK, NY 10012		
Mailing Contact:	Not reported		
Mailing Telephone:	(212) 431-9232		
Owner Mark:	First Owner	Expiration Date:	06/18/1992
Certification Flag:	False	Certification Date:	06/18/1987
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	Minor data missing		
Owner Screen:	Minor data missing		
Tank Screen:	0		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-272256	CBS Number:	Not reported

DIA ART FOUNDATION (Continued) **U003074426**

SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.		
Facility Type:	Not reported		
Owner Type:	Not reported		
Owner Sub Type:	Not reported		
Owner:	DIA ART FOUNDATION 155 MERCER NEW YORK, NY 10012		
Owner Phone:	(212) 431-9232		
Facility Phone:	(212) 242-0125		
Operator:	JAMES P SCHAEUFELE		
Emergency Name:	JAMES P SCHAEUFELE		
Emergency Phone:	(212) 334-8141		
Total Tanks:	0		
Total Capacity:	0		
Tank ID:	003		
Capacity (Gal):	275		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	09/01/1990		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	VAULT		
Pipe Type:	STEEL/IRON		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Gravity		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	08/01/1996	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	DIA ART FOUNDATION		
Mailing Address:	155 MERCER NEW YORK, NY 10012		
Mailing Contact:	Not reported		
Mailing Telephone:	(212) 431-9232		
Owner Mark:	First Owner	Expiration Date:	06/18/1992
Certification Flag:	False	Certification Date:	06/18/1987
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	Minor data missing		
Owner Screen:	Minor data missing		
Tank Screen:	0		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

51 NE < 1/8 593 ft. — **215 10TH AVENUE &23RD ST.** / **215 10TH AVENUE / 23RD ST** / **MANHATTAN, NEW YORK, NY** — **NY Spills** — **S102148232** / **N/A**

Relative: Higher
Actual: 11 ft.

SPILLS:

True Date :	01/01/2002		
Spill Number:	9402020	Region of Spill:	2
Spill Date:	05/11/1994 12:00	Reported to Dept:	05/11/94 13:48
ID:	Not reported		
Date Call Received:	Not reported		
Region Close Date :	Not reported		
Material Spilled:	Not reported	Amount Spilled:	Not reported
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Gas Station
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

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52 SSW 1/8-1/4 722 ft. — **555 WEST 17TH ST/MANH** / **555 WEST 17TH STREET** / **NEW YORK CITY, NY** — **LTANKS** — **S104275597** / **N/A**

Relative: Lower
Actual: 9 ft.

LTANKS:

Spill Number:	9006677	Region of Spill:	2
Spill Date:	09/18/1990 12:00	Reported to Dept:	09/18/90 12:30
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Failure		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9006677	Region of Spill:	2
Spill Date:	09/18/90	Reported to Dept:	/ /
ID:	147310	Date Call Received:	09/18/90
Material Spilled:	#4 FUEL OIL	Amount Spilled:	-1 lbs.
Region Close Dt:	09/19/90		
Resource Affectd:	ON LAND		
Spill Cause:	TANK FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		
Cleanup Meets Standard:	Not reported		
Recommended Penalty:	Not reported		
Spiller Cleanup Date:	/ /		

555 WEST 17TH ST/MANH (Continued) **S104275597**

Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: 09/19/90: VAULT TO BE CLEANED, TO CLEAN TANK INSPECT FOR STRUCTURAL SOUN DNESS, TO TEST THE FILL PIPE VENT PIPE, IF TANK FAILS INSPECTION TO REPL ACE THE TANK.
Spill Cause: 5K TANK VAULTED, DRAIN PLUG OF TANK IS STRIPPED, OIL LEAKED OUT, SITE WA S INSPECTED, TANK WAS FOUND TO BE VERY RUSTY, PIPING WAS VERY OLD RUSTY, , OIL SOAKED DEBRIS FOUND IN TANK ROOM.

J53 **TOSCO #34649** **RCRA-SQG** **1000791102**
NE **215 10TH AVE** **FINDS** **NYD987026069**
1/8-1/4 **NEW YORK, NY 10011** **UST**
750 ft.

Site 1 of 2 in cluster J

Relative: Higher

Actual: 12 ft.

RCRAInfo:
Owner: TOSCO
(602) 728-8000
EPA ID: NYD987026069

Contact: Not reported

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

CT MANIFEST

Click this hyperlink while viewing on your computer to access additional CT MANIFEST detail in the EDR Site Report.

TOSCO #34649 (Continued) **1000791102**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

PBS UST:

PBS Number:	2-600799	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	T. BORBAS (212) 675-7646		
Emergency Contact:	MR. KIM KWIATKOWSKY (602) 728-4783		
Total Tanks:	5		
Owner:	TOSCO CORPORATION P.O. BOX 52058 PHOENIX, AZ 85702 (602) 728-4783		
Owner Type:	Corporate/Commercial		
Owner Mark:	Third Owner		
Owner Subtype:	Not reported		
Mailing Address:	TOSCO CORPORATION ATTN: MR. KIM KWIATKOWSKI P.O. BOX 52058 PHOENIX, AZ 85072 (602) 728-4783		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	01	Install Date:	11/01/1991
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/JACKETED		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/FIBERGLASS		
Second Containment:	NONE/DOUBLED-WALLED TANK		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Prot:	High Level Alarm	Dispenser:	Gravity
Date Tested:	06/01/1998	Next Test Date:	06/01/2003
Date Closed:	Not reported	Test Method:	USTest 2000
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/16/2001
Old PBS Number:	Not reported	Expiration Date:	11/14/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS OWNHIST

Operator:	T. BORBAS

TOSCO #34649 (Continued) **1000791102**

Emergency: MR. KIM KWIATKOWSKY
Emergency Tel: (602) 728-4783 Old PBSNO: Not reported
Facility Type: RETAIL GASOLINE SALES
Facility Owner: TOSCO # 2634649
Facility Address: 215 TENTH AVENUE
215 10TH AVENUE
NEW YORK, NY 10011
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: 95-1865716
Owner: TOSCO CORPORATION
Owner Tel: (602) 728-4783 Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: TOSCO REFINING, L.P.
P O BOX 52085, DC 36
PHOENIX, AZ 85072
MR KIM KWIATKOWSKY
(602) 728-4783
Owner Mark: Second Owner
Certify Date: 05/15/2005 Expiration: 05/15/2005
Total Capacity (Gal): 20000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6201
Facility Phone : (212) 675-7646
Num of Active Tanks : 5
Facility Owner: TOSCO CORPORATION
Facility Address: P O BOX 52085, DC 36

PHOENIX, AZ 85072
Owner Phone: (602) 728-4783
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 11/14/2001
Facility Record Updated: True

Operator: T. BORBAS
Emergency: EUSA
Emergency Tel: (800) 350-0531 Old PBSNO: Not reported
Facility Type: RETAIL GASOLINE SALES
Facility Owner: EXXON RAS #3-2253 BIG APPLE EXXON
Facility Address: 215 TENTH AVENUE
215 10TH AVENUE
NEW YORK, NY 10011
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: 13-5409005
Owner: EXXON COMPANY USA
Owner Tel: (800) 350-0531 Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: EXXON COMPANY USA
P.O. BOX 4386
HOUSTON, TX 77210
REGULATORY ADMISITRATOR
(800) 350-0531

TOSCO #34649 (Continued) **1000791102**

Owner Mark:	First Owner		
Certify Date:	07/08/2002	Expiration:	07/08/2002
Total Capacity (Gal):	20000		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		
County Facility:	6201		
Facility Phone :	(212) 675-7646		
Num of Active Tanks :	5		
Facility Owner:	EXXON COMPANY USA		
Facility Address:	P.O. BOX 4386		
	HOUSTON, TX 77210		
Owner Phone:	(800) 350-0531		
Facility Status:	1		
Certificate Needs Printed :	False		
Renewal Printed :	False		
Pre-printed Renewal Form Last Printed :	Not reported		
Fiscal Amt For Registration Fee Pbsrect:	True		
Dt Ownership Transfer Occurr in Computer :	05/15/2000		
Facility Record Updated:	True		

PBS Number:	2-600799	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	T. BORBAS (212) 675-7646		
Emergency Contact:	MR. KIM KWIATKOWSKY (602) 728-4783		
Total Tanks:	5		
Owner:	TOSCO CORPORATION P.O. BOX 52058 PHOENIX, AZ 85702 (602) 728-4783		
Owner Type:	Corporate/Commercial		
Owner Mark:	Third Owner		
Owner Subtype:	Not reported		
Mailing Address:	TOSCO CORPORATION ATTN: MR. KIM KWIATKOWSKI P.O. BOX 52058 PHOENIX, AZ 85072 (602) 728-4783		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	02	Install Date:	11/01/1991
Tank Type:	Fiberglass coated steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/JACKETED		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/FIBERGLASS		
Second Containment:	NONE/DOUBLED-WALLED TANK		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Prot:	High Level Alarm	Dispenser:	Gravity
Date Tested:	06/01/1998	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	USTest 2000
Deleted:	False	Updated:	True

TOSCO #34649 (Continued) **1000791102**

Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/16/2001
Old PBS Number:	Not reported	Expiration Date:	11/14/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS OWNHIST

Operator:	T. BORBAS		
Emergency:	MR. KIM KWIATKOWSKY		
Emergency Tel:	(602) 728-4783	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	TOSCO # 2634649		
Facility Address:	215 TENTH AVENUE 215 10TH AVENUE NEW YORK, NY 10011		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	95-1865716
Owner:	TOSCO CORPORATION		
Owner Tel:	(602) 728-4783	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	TOSCO REFINING, L.P. P O BOX 52085, DC 36 PHOENIX, AZ 85072 MR KIM KWIATKOWSKY (602) 728-4783		
Owner Mark:	Second Owner		
Certify Date:	05/15/2005	Expiration:	05/15/2005
Total Capacity (Gal):	20000		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6201
Facility Phone :	(212) 675-7646
Num of Active Tanks :	5
Facility Owner:	TOSCO CORPORATION
Facility Address:	P O BOX 52085, DC 36 PHOENIX, AZ 85072
Owner Phone:	(602) 728-4783
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	11/14/2001
Facility Record Updated:	True

Operator: T. BORBAS

TOSCO #34649 (Continued) **1000791102**

Emergency:	EUSA		
Emergency Tel:	(800) 350-0531	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	EXXON RAS #3-2253 BIG APPLE EXXON		
Facility Address:	215 TENTH AVENUE 215 10TH AVENUE NEW YORK, NY 10011		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	13-5409005
Owner:	EXXON COMPANY USA		
Owner Tel:	(800) 350-0531	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	EXXON COMPANY USA P.O. BOX 4386 HOUSTON, TX 77210 REGULATORY ADMISITRATOR (800) 350-0531		
Owner Mark:	First Owner		
Certify Date:	07/08/2002	Expiration:	07/08/2002
Total Capacity (Gal):	20000		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		
County Facility:	6201		
Facility Phone :	(212) 675-7646		
Num of Active Tanks :	5		
Facility Owner:	EXXON COMPANY USA		
Facility Address:	P.O. BOX 4386 HOUSTON, TX 77210		
Owner Phone:	(800) 350-0531		
Facility Status:	1		
Certificate Needs Printed :	False		
Renewal Printed :	False		
Pre-printed Renewal Form Last Printed :	Not reported		
Fiscal Amt For Registration Fee Pbsrect:	True		
Dt Ownership Transfer Occurr in Computer :	05/15/2000		
Facility Record Updated:	True		

PBS Number:	2-600799	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	T. BORBAS (212) 675-7646		
Emergency Contact:	MR. KIM KWIATKOWSKY (602) 728-4783		
Total Tanks:	5		
Owner:	TOSCO CORPORATION P.O. BOX 52058 PHOENIX, AZ 85702 (602) 728-4783		
Owner Type:	Corporate/Commercial		
Owner Mark:	Third Owner		
Owner Subtype:	Not reported		
Mailing Address:	TOSCO CORPORATION ATTN: MR. KIM KWIATKOWSKI P.O. BOX 52058 PHOENIX, AZ 85072		

TOSCO #34649 (Continued) **1000791102**

	(602) 728-4783		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	03	Install Date:	11/01/1991
Tank Type:	Fiberglass coated steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/JACKETED		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/FIBERGLASS		
Second Containment:	NONE/DOUBLED-WALLED TANK		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Prot:	High Level Alarm	Dispenser:	Gravity
Date Tested:	06/01/1998	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	USTest 2000
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/16/2001
Old PBS Number:	Not reported	Expiration Date:	11/14/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS OWNHIST

Operator:	T. BORBAS		
Emergency:	MR. KIM KWIATKOWSKY		
Emergency Tel:	(602) 728-4783	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	TOSCO # 2634649		
Facility Address:	215 TENTH AVENUE 215 10TH AVENUE NEW YORK, NY 10011		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	95-1865716
Owner:	TOSCO CORPORATION		
Owner Tel:	(602) 728-4783	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	TOSCO REFINING, L.P. P O BOX 52085, DC 36 PHOENIX, AZ 85072 MR KIM KWIATKOWSKY (602) 728-4783		
Owner Mark:	Second Owner		
Certify Date:	05/15/2005	Expiration:	05/15/2005
Total Capacity (Gal):	20000		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		

TOSCO #34649 (Continued) **1000791102**

County Facility: 6201
Facility Phone : (212) 675-7646
Num of Active Tanks : 5
Facility Owner: TOSCO CORPORATION
Facility Address: P O BOX 52085, DC 36

PHOENIX, AZ 85072
Owner Phone: (602) 728-4783
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 11/14/2001
Facility Record Updated: True

Operator: T. BORBAS
Emergency: EUSA
Emergency Tel: (800) 350-0531 Old PBSNO: Not reported
Facility Type: RETAIL GASOLINE SALES
Facility Owner: EXXON RAS #3-2253 BIG APPLE EXXON
Facility Address: 215 TENTH AVENUE
215 10TH AVENUE
NEW YORK, NY 10011
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: 13-5409005
Owner: EXXON COMPANY USA
Owner Tel: (800) 350-0531 Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: EXXON COMPANY USA
P.O. BOX 4386
HOUSTON, TX 77210
REGULATORY ADMISITRATOR
(800) 350-0531
Owner Mark: First Owner
Certify Date: 07/08/2002 Expiration: 07/08/2002
Total Capacity (Gal): 20000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6201
Facility Phone : (212) 675-7646
Num of Active Tanks : 5
Facility Owner: EXXON COMPANY USA
Facility Address: P.O. BOX 4386

HOUSTON, TX 77210
Owner Phone: (800) 350-0531
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 05/15/2000
Facility Record Updated: True

PBS Number: 2-600799 CBS Number: Not reported

TOSCO #34649 (Continued) **1000791102**

SPDES Number:	Not reported	SWIS ID:	6201
Operator:	T. BORBAS (212) 675-7646		
Emergency Contact:	MR. KIM KWIATKOWSKY (602) 728-4783		
Total Tanks:	5		
Owner:	TOSCO CORPORATION P.O. BOX 52058 PHOENIX, AZ 85702 (602) 728-4783		
Owner Type:	Corporate/Commercial		
Owner Mark:	Third Owner		
Owner Subtype:	Not reported		
Mailing Address:	TOSCO CORPORATION ATTN: MR. KIM KWIATKOWSKI P.O. BOX 52058 PHOENIX, AZ 85072 (602) 728-4783		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	04	Install Date:	11/01/1991
Tank Type:	Fiberglass coated steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/JACKETED		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/FIBERGLASS		
Second Containment:	NONE/DOUBLED-WALLED TANK		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Prot:	High Level Alarm	Dispenser:	Gravity
Date Tested:	06/01/1998	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	USTest 2000
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/16/2001
Old PBS Number:	Not reported	Expiration Date:	11/14/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS OWNHIST

Operator:	T. BORBAS		
Emergency:	MR. KIM KWIATKOWSKY		
Emergency Tel:	(602) 728-4783	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	TOSCO # 2634649		
Facility Address:	215 TENTH AVENUE 215 10TH AVENUE		

TOSCO #34649 (Continued) **1000791102**

NEW YORK, NY 10011

Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	95-1865716
Owner:	TOSCO CORPORATION		
Owner Tel:	(602) 728-4783	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	TOSCO REFINING, L.P. P O BOX 52085, DC 36 PHOENIX, AZ 85072 MR KIM KWIATKOWSKY (602) 728-4783		
Owner Mark:	Second Owner		
Certify Date:	05/15/2005	Expiration:	05/15/2005
Total Capacity (Gal):	20000		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6201
Facility Phone :	(212) 675-7646
Num of Active Tanks :	5
Facility Owner:	TOSCO CORPORATION
Facility Address:	P O BOX 52085, DC 36 PHOENIX, AZ 85072
Owner Phone:	(602) 728-4783
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	11/14/2001
Facility Record Updated:	True

Operator:	T. BORBAS		
Emergency:	EUSA		
Emergency Tel:	(800) 350-0531	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	EXXON RAS #3-2253 BIG APPLE EXXON		
Facility Address:	215 TENTH AVENUE 215 10TH AVENUE NEW YORK, NY 10011		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	13-5409005
Owner:	EXXON COMPANY USA		
Owner Tel:	(800) 350-0531	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	EXXON COMPANY USA P.O. BOX 4386 HOUSTON, TX 77210 REGULATORY ADMISITRATOR (800) 350-0531		
Owner Mark:	First Owner		
Certify Date:	07/08/2002	Expiration:	07/08/2002
Total Capacity (Gal):	20000		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported

TOSCO #34649 (Continued) **1000791102**

County Facility:	6201
Facility Phone :	(212) 675-7646
Num of Active Tanks :	5
Facility Owner:	EXXON COMPANY USA
Facility Address:	P.O. BOX 4386
	HOUSTON, TX 77210
Owner Phone:	(800) 350-0531
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	05/15/2000
Facility Record Updated:	True

PBS Number:	2-600799	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	T. BORBAS (212) 675-7646		
Emergency Contact:	MR. KIM KWIATKOWSKY (602) 728-4783		
Total Tanks:	5		
Owner:	TOSCO CORPORATION P.O. BOX 52058 PHOENIX, AZ 85702 (602) 728-4783		
Owner Type:	Corporate/Commercial		
Owner Mark:	Third Owner		
Owner Subtype:	Not reported		
Mailing Address:	TOSCO CORPORATION ATTN: MR. KIM KWIATKOWSKI P.O. BOX 52058 PHOENIX, AZ 85072 (602) 728-4783		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	05	Install Date:	11/01/1991
Tank Type:	Fiberglass coated steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	FIBERGLASS LINER [FRP]
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/JACKETED		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/FIBERGLASS		
Second Containment:	NONE/DOUBLED-WALLED TANK		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Prot:	High Level Alarm	Dispenser:	Gravity
Date Tested:	06/01/1998	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	USTest 2000
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/16/2001

TOSCO #34649 (Continued) **1000791102**

Old PBS Number:	Not reported	Expiration Date:	11/14/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS OWNHIST

Operator:	T. BORBAS		
Emergency:	MR. KIM KWIATKOWSKY		
Emergency Tel:	(602) 728-4783	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	TOSCO # 2634649		
Facility Address:	215 TENTH AVENUE 215 10TH AVENUE NEW YORK, NY 10011		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	95-1865716
Owner:	TOSCO CORPORATION		
Owner Tel:	(602) 728-4783	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	TOSCO REFINING, L.P. P O BOX 52085, DC 36 PHOENIX, AZ 85072 MR KIM KWIATKOWSKY (602) 728-4783		
Owner Mark:	Second Owner		
Certify Date:	05/15/2005	Expiration:	05/15/2005
Total Capacity (Gal):	20000		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		
County Facility:	6201		
Facility Phone :	(212) 675-7646		
Num of Active Tanks :	5		
Facility Owner:	TOSCO CORPORATION		
Facility Address:	P O BOX 52085, DC 36 PHOENIX, AZ 85072		
Owner Phone:	(602) 728-4783		
Facility Status:	1		
Certificate Needs Printed :	False		
Renewal Printed :	False		
Pre-printed Renewal Form Last Printed :	Not reported		
Fiscal Amt For Registration Fee Pbsrect:	True		
Dt Ownership Transfer Occurr in Computer :	11/14/2001		
Facility Record Updated:	True		

Operator:	T. BORBAS		
Emergency:	EUSA		
Emergency Tel:	(800) 350-0531	Old PBSNO:	Not reported
Facility Type:	RETAIL GASOLINE SALES		
Facility Owner:	EXXON RAS #3-2253 BIG APPLE EXXON		
Facility Address:	215 TENTH AVENUE 215 10TH AVENUE		

TOSCO #34649 (Continued) **1000791102**

NEW YORK, NY 10011

Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	13-5409005
Owner:	EXXON COMPANY USA		
Owner Tel:	(800) 350-0531	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	EXXON COMPANY USA P.O. BOX 4386 HOUSTON, TX 77210 REGULATORY ADMISITRATOR (800) 350-0531		
Owner Mark:	First Owner		
Certify Date:	07/08/2002	Expiration:	07/08/2002
Total Capacity (Gal):	20000		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6201
Facility Phone :	(212) 675-7646
Num of Active Tanks :	5
Facility Owner:	EXXON COMPANY USA
Facility Address:	P.O. BOX 4386 HOUSTON, TX 77210
Owner Phone:	(800) 350-0531
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	05/15/2000
Facility Record Updated:	True

54
SW
1/8-1/4
757 ft.

19TH STREET DEVELOPMENT SITE **VCP** **S105857225**
80 11TH AVENUE **N/A**
NEW YORK, NY 10011

Relative:
Lower

NY VCP:
Facility ID : C231017

Actual:
5 ft.

K55
SSW
1/8-1/4
759 ft.

CONSOLIDATED GAS CO. **Coal Gas** **G000000360**
111 TENTH AVE. **N/A**
NEW YORK, NY 10011

Site 1 of 2 in cluster K

Relative:
Equal

COAL GAS SITE DESCRIPTION:
Site is on west side of Tenth Ave., between W. 16th St. and W. 19th St. (B19)

Actual:
10 ft.

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Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
L56 SSE 1/8-1/4 760 ft.	**AUTO CARE WEST 458-460 WEST 18TH ST MANHATTAN, NY**	**LTANKS**	**1001865060 N/A**

Site 1 of 3 in cluster L

Relative: Higher

Actual: 13 ft.

LTANKS:

Spill Number:	9909074	Region of Spill:	2
Spill Date:	10/26/1999 09:00	Reported to Dept:	10/26/99 13:24
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Failure		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

L57 SSE 1/8-1/4 775 ft.	**456-464 W. 18TH STREET 456-464 W 18TH STREET NEW YORK, NY 10011**	**UST**	**U003740180 N/A**

Site 2 of 3 in cluster L

Relative: Higher

Actual: 13 ft.

PBS UST:

PBS Number:	2-604449	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	KOSTAS NANIS (718) 545-8852		
Emergency Contact:	KOSTAS NANIS (718) 545-8852		
Total Tanks:	0		
Owner:	KOSTAS NANIS 24-02 24TH AVENUE ASTORIA, NY 11102 (718) 545-8852		
Owner Type:	Private Resident		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	NANIS & RINALDI, LLP ATTN: WILLIAM NANIS, ESG 30-97 STEINWAY STREET ASTORIA, NY 11103 (718) 777-8887		
Tank Status:	Closed - In Place		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	1	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	USED OIL (fuel)
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	Not reported		
Leak Detection:	Not reported		
Overfill Prot:	Vent Whistle	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing

456-464 W. 18TH STREET (Continued) **U003740180**

FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	02/25/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-604449	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	KOSTAS NANIS (718) 545-8852		
Emergency Contact:	KOSTAS NANIS (718) 545-8852		
Total Tanks:	0		
Owner:	KOSTAS NANIS 24-02 24TH AVENUE ASTORIA, NY 11102 (718) 545-8852		
Owner Type:	Private Resident		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	NANIS & RINALDI, LLP ATTN: WILLIAM NANIS, ESG 30-97 STEINWAY STREET ASTORIA, NY 11103 (718) 777-8887		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	2	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LUBE OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	Not reported		
Leak Detection:	Not reported		
Overfill Prot:	Vent Whistle	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	02/25/2005

456-464 W. 18TH STREET (Continued) **U003740180**

Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-604449	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	KOSTAS NANIS (718) 545-8852		
Emergency Contact:	KOSTAS NANIS (718) 545-8852		
Total Tanks:	0		
Owner:	KOSTAS NANIS 24-02 24TH AVENUE ASTORIA, NY 11102 (718) 545-8852		
Owner Type:	Private Resident		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	NANIS & RINALDI, LLP ATTN: WILLIAM NANIS, ESG 30-97 STEINWAY STREET ASTORIA, NY 11103 (718) 777-8887		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	3	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LUBE OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	Not reported		
Leak Detection:	Not reported		
Overfill Prot:	Vent Whistle	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	02/25/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		

456-464 W. 18TH STREET (Continued) **U003740180**

County Code: 62
Region: 2

M58
NNE
1/8-1/4
779 ft.

EDISON PARK FAST **RCRA-SQG** **1001489337**
527 W 23RD ST **FINDS** **NYU005001276**
NEW YORK, NY 10011

Site 1 of 9 in cluster M

Relative:
Equal

Actual:
10 ft.

RCRAInfo:
Owner: NON REGULATED
(212) 555-1212
EPA ID: NYU005001276

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

M59
NNE
1/8-1/4
779 ft.

MENDON LEASING CORP **LTANKS** **S104073234**
527 WEST 23RD STREET **N/A**
MANHATTAN, NY

Site 2 of 9 in cluster M

Relative:
Equal

Actual:
10 ft.

LTANKS:

Spill Number:	9511782	Region of Spill:	2
Spill Date:	12/18/1995 10:30	Reported to Dept:	12/18/95 11:58
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9511782	Region of Spill:	2
Spill Date:	12/18/95	Reported to Dept:	/ /
ID:	225874	Date Call Received:	12/18/95
Material Spilled:	DIESEL	Amount Spilled:	Unknown Gal.
Region Close Dt:	05/27/04		
Resource Affectd:	ON LAND		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported

MENDON LEASING CORP (Continued) **S104073234**

Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: 1-4
Test Method: Petro-Tite
Capacity of Failed Tank: 550
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: 8/15/96 SEE ALSO 96-05688, 98-08740, 86-05564. MARK TIBBE) SPILL ORIGINA LLY ASSIGNED TO MARTINKAT - FILE TRANSFERRED TO MULQUEEN. TRNSFERED TO TIBBE ON 2/12/01.
Spill Cause: TEST CONDUCTED AND RESULTS RECORDED.

M60 **EDISON PARKING GARAGE** **LTANKS** **S104277387**
NNE **527 WEST 23RD ST** **N/A**
1/8-1/4 **NY, NY**
779 ft.

Site 3 of 9 in cluster M

Relative:
Equal

Actual:
10 ft.

LTANKS:
Spill Number: 9808740 Region of Spill: 2
Spill Date: 10/14/1998 10:00 Reported to Dept: 10/14/98 11:58
ID: Not reported Date Call Received: Not reported
Material Spilled: Not reported Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported Spill Source: Other Commercial/Industrial
Tank Number: Not reported Tank Size: Not reported
Test Method: Not reported Leak Rate: Not reported

M61 NNE 1/8-1/4 779 ft. | **TANKFAILED MENDON LEASING** | **LTANKS** | **S104275477** / **N/A**

527 W. 23 ST.
NEW YORK CITY, NY

Site 4 of 9 in cluster M

Relative: Equal

Actual: 10 ft.

LTANKS:

Spill Number:	8605564	Region of Spill:	2
Spill Date:	12/03/1986 11:55	Reported to Dept:	12/03/86 12:15
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	Groundwater		
Spill Cause:	Tank Failure		
Water Affected:	GROUND WATER	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	8605564	Region of Spill:	2
Spill Date:	12/03/86	Reported to Dept:	/ /
ID:	104437	Date Call Received:	12/03/86
Material Spilled:	GASOLINE	Amount Spilled:	-1 Gal.
Region Close Dt:	12/03/86		
Resource Affectd:	GROUNDWATER		
Spill Cause:	TANK FAILURE		
Water Affected:	GROUND WATER	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard:	Not reported
Recommended Penalty:	Not reported
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	Not reported
Spill Record Last Update:	/ /
Is Updated:	Not reported
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	/ /
Date Region Sent Summary to Central Office:	/ /

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

TANKFAILED MENDON LEASING (Continued) **S104275477**

Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Gallons
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: 10/10/95: This is additional information about material spilled from th e translation of the old spill file: UNK AMT. SPILLED REFER TO 96-05688. SEE ALSO 95-11782 AND 98-08740.
Spill Cause: ONGOING FOR APPROX. 5 MONTHS GROUND APPEARS TO BE SATURATED NEAR HUDSON RIVER. REPORTED BY USCG PO BLYDEN) 212)668-7920

M62 NNE 1/8-1/4 779 ft. **COSTCO WHOLESALE CORPORATION** **UST** **U000416370**
527 WEST 23RD STREET **N/A**
NEW YORK, NY 10011

Site 5 of 9 in cluster M

Relative: Equal

Actual: 10 ft.

PBS UST:
PBS Number: 2-032220 CBS Number: Not reported
SPDES Number: Not reported SWIS ID: 6201
Operator: LARRY HARDER
(703) 406-6882
Emergency Contact: LARRY HARDER
(703) 406-6882
Total Tanks: 0
Owner: COSTCO WOLESALE CORPORATION
46000 MANEKIN PLAZA
STERLING, VA 20166
(703) 406-6882
Owner Type: Corporate/Commercial
Owner Mark: Second Owner
Owner Subtype: Not reported
Mailing Address: AKRF, INC.
ATTN: WILLIAM SILVERI
117 EAST 29TH STREET
NEW YORK, NY 10016
(212) 340-0827
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 002 Install Date: Not reported
Tank Type: Steel/carbon steel Product Stored: DIESEL
Tank Internal: Not reported Pipe Internal: Not reported
Pipe Location: 1 Pipe Type: STEEL/IRON
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: 2 Dispenser: Suction
Date Tested: 01/01/1996 Next Test Date: Not reported
Date Closed: 11/01/1999 Test Method: PETRO-TITE

COSTCO WHOLESALE CORPORATION (Continued) **U000416370**

Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/05/1999
Old PBS Number:	Not reported	Expiration Date:	12/22/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS OWNHIST

Operator:	MENDON LEASING CORP		
Emergency:	THOMAS P FASINI		
Emergency Tel:	(516) 795-1197	Old PBSNO:	Not reported
Facility Type:	TRUCKING/TRANSPORTATION		
Facility Owner:	MENDON LEASING CORP		
Facility Address:	527 WEST 23RD ST 527 WEST 23RD ST NEW YORK, NY 10011		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	Not reported
Owner:	CMRC LTD		
Owner Tel:	(212) 243-4000	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	CMRC LTD. 340 WEST 23RD STREET NEW YORK, NY 10011 SUPER/FACILITY MANAGER (212) 255-0900		
Owner Mark:	First Owner		
Certify Date:	12/02/1901	Expiration:	12/02/1901
Total Capacity (Gal):	2200		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6201
Facility Phone :	(212) 255-0900
Num of Active Tanks :	4
Facility Owner:	CMRC LTD
Facility Address:	340 WEST 23RD ST NEW YORK, NY 10011
Owner Phone:	(212) 243-4000
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	12/22/1998
Facility Record Updated:	True

COSTCO WHOLESALE CORPORATION (Continued) **U000416370**

PBS Number:	2-032220	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	LARRY HARDER (703) 406-6882		
Emergency Contact:	LARRY HARDER (703) 406-6882		
Total Tanks:	0		
Owner:	COSTCO WOLESALE CORPORATION 46000 MANEKIN PLAZA STERLING, VA 20166 (703) 406-6882		
Owner Type:	Corporate/Commercial		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	AKRF, INC. ATTN: WILLIAM SILVERI 117 EAST 29TH STREET NEW YORK, NY 10016 (212) 340-0827		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	01/01/1996	Next Test Date:	Not reported
Date Closed:	11/01/1999	Test Method:	PETRO-TITE
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/05/1999
Old PBS Number:	Not reported	Expiration Date:	12/22/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS OWNHIST

Operator:	MENDON LEASING CORP		
Emergency:	THOMAS P FASINI		
Emergency Tel:	(516) 795-1197	Old PBSNO:	Not reported
Facility Type:	TRUCKING/TRANSPORTATION		
Facility Owner:	MENDON LEASING CORP		

COSTCO WHOLESALE CORPORATION (Continued) **U000416370**

Facility Address: 527 WEST 23RD ST
527 WEST 23RD ST
NEW YORK, NY 10011

Inspector: Not reported
Inspect Date: Not reported
Insp Result: Not reported
Federal ID: Not reported
Owner: CMRC LTD
Owner Tel: (212) 243-4000
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: CMRC LTD.
340 WEST 23RD STREET
NEW YORK, NY 10011
SUPER/FACILITY MANAGER
(212) 255-0900
Owner Mark: First Owner
Certify Date: 12/02/1901
Expiration: 12/02/1901
Total Capacity (Gal): 2200
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6201
Facility Phone : (212) 255-0900
Num of Active Tanks : 4
Facility Owner: CMRC LTD
Facility Address: 340 WEST 23RD ST

NEW YORK, NY 10011
Owner Phone: (212) 243-4000
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 12/22/1998
Facility Record Updated: True

PBS Number: 2-032220
CBS Number: Not reported
SPDES Number: Not reported
SWIS ID: 6201
Operator: LARRY HARDER
(703) 406-6882
Emergency Contact: LARRY HARDER
(703) 406-6882
Total Tanks: 0
Owner: COSTCO WOLESALE CORPORATION
46000 MANEKIN PLAZA
STERLING, VA 20166
(703) 406-6882
Owner Type: Corporate/Commercial
Owner Mark: Second Owner
Owner Subtype: Not reported
Mailing Address: AKRF, INC.
ATTN: WILLIAM SILVERI
117 EAST 29TH STREET
NEW YORK, NY 10016
(212) 340-0827
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND

COSTCO WHOLESALE CORPORATION (Continued) **U000416370**

Tank Id:	004	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	01/01/1996	Next Test Date:	Not reported
Date Closed:	11/01/1999	Test Method:	PETRO-TITE
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/05/1999
Old PBS Number:	Not reported	Expiration Date:	12/22/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS OWNHIST

Operator:	MENDON LEASING CORP		
Emergency:	THOMAS P FASINI		
Emergency Tel:	(516) 795-1197	Old PBSNO:	Not reported
Facility Type:	TRUCKING/TRANSPORTATION		
Facility Owner:	MENDON LEASING CORP		
Facility Address:	527 WEST 23RD ST 527 WEST 23RD ST NEW YORK, NY 10011		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	Not reported
Owner:	CMRC LTD		
Owner Tel:	(212) 243-4000	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	CMRC LTD. 340 WEST 23RD STREET NEW YORK, NY 10011 SUPER/FACILITY MANAGER (212) 255-0900		
Owner Mark:	First Owner		
Certify Date:	12/02/1901	Expiration:	12/02/1901
Total Capacity (Gal):	2200		
CBS Registration Num :	Not reported		
SPDES Number:	Not reported		
Lat/Long :	Not reported		
County Facility:	6201		
Facility Phone :	(212) 255-0900		
Num of Active Tanks :	4		
Facility Owner:	CMRC LTD		

COSTCO WHOLESALE CORPORATION (Continued) **U000416370**

Facility Address:	340 WEST 23RD ST
	NEW YORK, NY 10011
Owner Phone:	(212) 243-4000
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr in Computer :	12/22/1998
Facility Record Updated:	True

PBS Number:	2-032220	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	LARRY HARDER (703) 406-6882		
Emergency Contact:	LARRY HARDER (703) 406-6882		
Total Tanks:	0		
Owner:	COSTCO WOLESALE CORPORATION 46000 MANEKIN PLAZA STERLING, VA 20166 (703) 406-6882		
Owner Type:	Corporate/Commercial		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	AKRF, INC. ATTN: WILLIAM SILVERI 117 EAST 29TH STREET NEW YORK, NY 10016 (212) 340-0827		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	02/01/1996	Next Test Date:	Not reported
Date Closed:	11/01/1999	Test Method:	PETRO-TITE
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/05/1999
Old PBS Number:	Not reported	Expiration Date:	12/22/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		

COSTCO WHOLESALE CORPORATION (Continued) **U000416370**

Facility Type: TRUCKING/TRANSPORTATION
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 62
Region: 2

PBS OWNHIST
Operator: MENDON LEASING CORP
Emergency: THOMAS P FASINI
Emergency Tel: (516) 795-1197 Old PBSNO: Not reported
Facility Type: TRUCKING/TRANSPORTATION
Facility Owner: MENDON LEASING CORP
Facility Address: 527 WEST 23RD ST
527 WEST 23RD ST
NEW YORK, NY 10011
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: Not reported
Owner: CMRC LTD
Owner Tel: (212) 243-4000 Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mail Address: CMRC LTD.
340 WEST 23RD STREET
NEW YORK, NY 10011
SUPER/FACILITY MANAGER
(212) 255-0900
Owner Mark: First Owner
Certify Date: 12/02/1901 Expiration: 12/02/1901
Total Capacity (Gal): 2200
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6201
Facility Phone : (212) 255-0900
Num of Active Tanks : 4
Facility Owner: CMRC LTD
Facility Address: 340 WEST 23RD ST

NEW YORK, NY 10011
Owner Phone: (212) 243-4000
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 12/22/1998
Facility Record Updated: True

PBS Number: 2-032220 CBS Number: Not reported
SPDES Number: Not reported SWIS ID: 6201
Operator: LARRY HARDER
(703) 406-6882
Emergency Contact: LARRY HARDER
(703) 406-6882
Total Tanks: 0
Owner: COSTCO WOLESALE CORPORATION
46000 MANEKIN PLAZA
STERLING, VA 20166
(703) 406-6882

COSTCO WHOLESALE CORPORATION (Continued) **U000416370**

Owner Type:	Corporate/Commercial		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	AKRF, INC. ATTN: WILLIAM SILVERI 117 EAST 29TH STREET NEW YORK, NY 10016 (212) 340-0827		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	006	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	02/01/1996	Next Test Date:	Not reported
Date Closed:	11/01/1999	Test Method:	PETRO-TITE
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/05/1999
Old PBS Number:	Not reported	Expiration Date:	12/22/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS OWNHIST

Operator:	MENDON LEASING CORP		
Emergency:	THOMAS P FASINI		
Emergency Tel:	(516) 795-1197	Old PBSNO:	Not reported
Facility Type:	TRUCKING/TRANSPORTATION		
Facility Owner:	MENDON LEASING CORP		
Facility Address:	527 WEST 23RD ST 527 WEST 23RD ST NEW YORK, NY 10011		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	Not reported
Owner:	CMRC LTD		
Owner Tel:	(212) 243-4000	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	CMRC LTD. 340 WEST 23RD STREET NEW YORK, NY 10011 SUPER/FACILITY MANAGER		

COSTCO WHOLESALE CORPORATION (Continued) **U000416370**

(212) 255-0900
Owner Mark: First Owner
Certify Date: 12/02/1901 Expiration: 12/02/1901
Total Capacity (Gal): 2200
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6201
Facility Phone : (212) 255-0900
Num of Active Tanks : 4
Facility Owner: CMRC LTD
Facility Address: 340 WEST 23RD ST

NEW YORK, NY 10011
Owner Phone: (212) 243-4000
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 12/22/1998
Facility Record Updated: True

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
5 additional NY PBS record(s) in the EDR Site Report.

M63 **EDISON PARKING GARAGE** **LTANKS** **S106703862**
NNE **527 WEST 23RD ST** **N/A**
1/8-1/4 **NEW YORK, NY**
784 ft.

Site 6 of 9 in cluster M

Relative:
Equal

Actual:
10 ft.

LTANKS:
Spill Number: 9808740 Region of Spill: 2
Spill Date: 10/14/98 Reported to Dept: / /
ID: 267481 Date Call Received:10/14/98
Material Spilled: #2 FUEL OIL Amount Spilled: 0 Gal.
Region Close Dt: 05/27/04
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported Spill Source: OTHER COMM/INDUSTRIAL
Facility Contact: Not reported Facility Tele: Not reported
Investigator: Not reported SWIS: Not reported
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported

EDISON PARKING GARAGE (Continued) **S106703862**

Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Tankology [Vacutect]
Capacity of Failed Tank: 8000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Talk Test Failures only pass or fail
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: Not reported

K64
SSW
1/8-1/4
797 ft.

FREEDMAN REALTY
110 TENTH AVENUE
NEW YORK, NY 10011

UST **U001736499**
N/A

Site 2 of 2 in cluster K

Relative:
Equal

Actual:
10 ft.

PBS UST:
PBS Number: 2-601567
CBS Number: Not reported
SPDES Number: Not reported
SWIS ID: 6201
Operator: DONALD FREEDMAN
(212) 243-4700
Emergency Contact: DONALD FREEDMAN
(413) 229-2931
Total Tanks: 0
Owner: FREEDMAN REALTY
P.O. BOX 306
SOUTH EGREMOUNT, MA 01258
(413) 229-2931
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: FREEDMAN REALTY
ATTN: MR. DONALD FREEDMAN
P.O. BOX 306
SOUTH EGREMOUNT, MA 01258
(413) 229-2931
Tank Status: Administratively Closed (See Site Staus)

FREEDMAN REALTY (Continued) **U001736499**

Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/17/2000	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/10/1993
Old PBS Number:	Not reported	Expiration Date:	08/10/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-601567	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	DONALD FREEDMAN (212) 243-4700		
Emergency Contact:	DONALD FREEDMAN (413) 229-2931		
Total Tanks:	0		
Owner:	FREEDMAN REALTY P.O. BOX 306 SOUTH EGREMOUNT, MA 01258 (413) 229-2931		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	FREEDMAN REALTY ATTN: MR. DONALD FREEDMAN P.O. BOX 306 SOUTH EGREMOUNT, MA 01258 (413) 229-2931		
Tank Status:	Administratively Closed (See Site Staus)		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL

FREEDMAN REALTY (Continued) **U001736499**

Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/17/2000	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/10/1993
Old PBS Number:	Not reported	Expiration Date:	08/10/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

J65 **GULF SERVICE STA** **UST** **U001839074**
NE **500 W 23RD ST** **N/A**
1/8-1/4 **NY, NY 10011**
810 ft.

Site 2 of 2 in cluster J

Relative: Higher

Actual: 12 ft.

PBS UST:

PBS Number:	2-336939	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	EARL MURRAY (212) 924-1260		
Emergency Contact:	EARL MURRAY (212) 860-0656		
Total Tanks:	1		
Owner:	CUMBERLAND FARMS INC 777 DEDHAM ST CANTON, MA 02021 (617) 828-4912		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	CUMBERLAND FARMS INC 777 DEDHAM ST CANTON, MA 02021 (617) 828-4912		
Tank Status:	Closed - Removed		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	04/01/1971
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	GROUNDWATER WELL		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	12/01/1989	Test Method:	Not reported

FREEDMAN REALTY (Continued) **U001736499**

Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/17/2000	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/10/1993
Old PBS Number:	Not reported	Expiration Date:	08/10/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-601567	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	DONALD FREEDMAN (212) 243-4700		
Emergency Contact:	DONALD FREEDMAN (413) 229-2931		
Total Tanks:	0		
Owner:	FREEDMAN REALTY P.O. BOX 306 SOUTH EGREMOUNT, MA 01258 (413) 229-2931		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	FREEDMAN REALTY ATTN: MR. DONALD FREEDMAN P.O. BOX 306 SOUTH EGREMOUNT, MA 01258 (413) 229-2931		
Tank Status:	Administratively Closed (See Site Staus)		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Submersible

GULF SERVICE STA (Continued) **U001839074**

Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	550	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	10/29/1987
Old PBS Number:	Not reported	Expiration Date:	10/29/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-336939	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	EARL MURRAY (212) 924-1260		
Emergency Contact:	EARL MURRAY (212) 860-0656		
Total Tanks:	1		
Owner:	CUMBERLAND FARMS INC 777 DEDHAM ST CANTON, MA 02021 (617) 828-4912		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	CUMBERLAND FARMS INC 777 DEDHAM ST CANTON, MA 02021 (617) 828-4912		
Tank Status:	Closed - Removed		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	04/01/1971
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	GROUNDWATER WELL		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	12/01/1989	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	550	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	10/29/1987

GULF SERVICE STA (Continued) **U001839074**

Old PBS Number:	Not reported	Expiration Date:	10/29/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-336939	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	EARL MURRAY (212) 924-1260		
Emergency Contact:	EARL MURRAY (212) 860-0656		
Total Tanks:	1		
Owner:	CUMBERLAND FARMS INC 777 DEDHAM ST CANTON, MA 02021 (617) 828-4912		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	CUMBERLAND FARMS INC 777 DEDHAM ST CANTON, MA 02021 (617) 828-4912		
Tank Status:	Closed - Removed		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	10/01/1978
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	GROUNDWATER WELL		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	12/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	550	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	10/29/1987
Old PBS Number:	Not reported	Expiration Date:	10/29/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		

GULF SERVICE STA (Continued) **U001839074**

Emergency Contact:	EARL MURRAY (212) 860-0656		
Total Tanks:	1		
Owner:	CUMBERLAND FARMS INC 777 DEDHAM ST CANTON, MA 02021 (617) 828-4912		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	CUMBERLAND FARMS INC 777 DEDHAM ST CANTON, MA 02021 (617) 828-4912		
Tank Status:	In Service		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	04/01/1964
Tank Type:	Steel/carbon steel	Product Stored:	OTHER
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	3	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	550	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	10/29/1987
Old PBS Number:	Not reported	Expiration Date:	10/29/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

N66 **RATHE PRODUCTIONS INCORPORATED** **RCRA-SQG** **1000446170**
North **555 WEST 23RD STREET** **FINDS** **NYD986910875**
1/8-1/4 **NEW YORK, NY 10011**
815 ft.

Site 1 of 5 in cluster N

Relative:
Lower

Actual:
9 ft.

GULF SERVICE STA (Continued) **U001839074**

County Code: 62
Region: 2

PBS Number:	2-336939	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	EARL MURRAY (212) 924-1260		
Emergency Contact:	EARL MURRAY (212) 860-0656		
Total Tanks:	1		
Owner:	CUMBERLAND FARMS INC 777 DEDHAM ST CANTON, MA 02021 (617) 828-4912		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	CUMBERLAND FARMS INC 777 DEDHAM ST CANTON, MA 02021 (617) 828-4912		
Tank Status:	Closed - Removed		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	10/01/1978
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	GROUNDWATER WELL		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	12/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	550	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	10/29/1987
Old PBS Number:	Not reported	Expiration Date:	10/29/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-336939	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	EARL MURRAY (212) 924-1260		

RATHE PRODUCTIONS INCORPORATED (Continued) **1000446170**

RCRAInfo:
Owner: RATHE PRODUCTIONS INC
(212) 555-1212
EPA ID: NYD986910875

Contact: PAUL PESCE
(212) 242-9000

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

N67 **LTANKS** **S105999938**
North **555 WEST 23RD ST** **N/A**
1/8-1/4 **MANHATTEN, NY**
815 ft.

Site 2 of 5 in cluster N

Relative:
Lower

Actual:
9 ft.

LTANKS:

Spill Number:	0306399	Region of Spill:	2
Spill Date:	09/17/03	Reported to Dept:	/ /
ID:	23008	Date Call Received:	09/17/03
Material Spilled:	GASOLINE	Amount Spilled:	0 Gal.
Region Close Dt:	Not closed		
Resource Affectd:	ON LAND		
Spill Cause:	TANK FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard:	Not reported
Recommended Penalty:	Not reported
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	Not reported
Spill Record Last Update:	/ /

(Continued) **S105999938**

Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: Not reported
Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported
Num Times Material Entry In File: Not reported
DEC Remarks: Not reported
Spill Cause: Not reported

L68 SSE 1/8-1/4 818 ft. **CONSOLIDATED GAS CO.** **Coal Gas** **G000000361**
450 W 18TH ST. **N/A**
NEW YORK, NY 10011

Site 3 of 3 in cluster L

Relative: Higher
Actual: 13 ft.

COAL GAS SITE DESCRIPTION:
Site is on the south side of W. 18th St. between Tenth Ave. and Ninth Ave. Site was a Gas Holder (C19)

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N69 North 1/8-1/4 844 ft. **"U" HAUL OF METRO NEW YORK** **UST** **U000394590**
562 WEST 23RD STREET **N/A**
NEW YORK, NY 10011

Site 3 of 5 in cluster N

Relative: Lower
Actual: 9 ft.

PBS UST:
PBS Number: 2-084069 CBS Number: Not reported
SPDES Number: Not reported SWIS ID: 6201
Operator: ED VILLAVILCONCIO
(212) 620-4178
Emergency Contact: WILLIAM NEWTON
(718) 562-8700
Total Tanks: 2
Owner: "U" HAUL OF METRO NEW YORK
230 WEST 230TH STREET
BRONX, NY 10463
(212) 562-8700
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported

"U" HAUL OF METRO NEW YORK (Continued) **U000394590**

Mailing Address:	"U" HAUL OF METRO NEW YORK ATTN: BILL NEWTON 230 WEST 230TH STREET BRONX, NY 10463 (212) 562-8700		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	3	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	06/01/1991	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	2000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/28/1994
Old PBS Number:	Not reported	Expiration Date:	03/24/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-084069	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	ED VILLAVILCONCIO (212) 620-4178		
Emergency Contact:	WILLIAM NEWTON (718) 562-8700		
Total Tanks:	2		
Owner:	"U" HAUL OF METRO NEW YORK 230 WEST 230TH STREET BRONX, NY 10463 (212) 562-8700		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	"U" HAUL OF METRO NEW YORK ATTN: BILL NEWTON 230 WEST 230TH STREET BRONX, NY 10463 (212) 562-8700		
Tank Status:	Closed - Removed		

"U" HAUL OF METRO NEW YORK (Continued) **U000394590**

Capacity (gals):	1000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	3	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	06/01/1991	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	2000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/28/1994
Old PBS Number:	Not reported	Expiration Date:	03/24/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-084069	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	ED VILLAVILCONCIO (212) 620-4178		
Emergency Contact:	WILLIAM NEWTON (718) 562-8700		
Total Tanks:	2		
Owner:	"U" HAUL OF METRO NEW YORK 230 WEST 230TH STREET BRONX, NY 10463 (212) 562-8700		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	"U" HAUL OF METRO NEW YORK ATTN: BILL NEWTON 230 WEST 230TH STREET BRONX, NY 10463 (212) 562-8700		
Tank Status:	In Service		
Capacity (gals):	1000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	08/01/1991
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON

"U" HAUL OF METRO NEW YORK (Continued) **U000394590**

Tank External:	SACRIFICIAL ANODE		
Missing Data for Tank:	No Missing Data		
Pipe External:	SACRIFICIAL ANODE		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING		
Overfill Prot:	Catch Basin	Dispenser:	Suction
Date Tested:	01/01/1994	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	2000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/28/1994
Old PBS Number:	Not reported	Expiration Date:	03/24/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-084069	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	ED VILLAVILCONCIO (212) 620-4178		
Emergency Contact:	WILLIAM NEWTON (718) 562-8700		
Total Tanks:	2		
Owner:	"U" HAUL OF METRO NEW YORK 230 WEST 230TH STREET BRONX, NY 10463 (212) 562-8700		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	"U" HAUL OF METRO NEW YORK ATTN: BILL NEWTON 230 WEST 230TH STREET BRONX, NY 10463 (212) 562-8700		
Tank Status:	In Service		
Capacity (gals):	1000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	08/01/1991
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	SACRIFICIAL ANODE		
Missing Data for Tank:	No Missing Data		
Pipe External:	SACRIFICIAL ANODE		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING		
Overfill Prot:	Catch Basin	Dispenser:	Suction

"U" HAUL OF METRO NEW YORK (Continued) **U000394590**

Date Tested:	01/01/1994	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	2000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/28/1994
Old PBS Number:	Not reported	Expiration Date:	03/24/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

N70 **U-HAUL CENTER CHELSEA** **RCRA-SQG** **1004760325**
North **562 W 23RD ST** **FINDS** **NYR000040477**
1/8-1/4 **NEW YORK, NY 10011**
844 ft.

Site 4 of 5 in cluster N

Relative: Lower

Actual: 9 ft.

RCRAInfo:

Owner:	U-HAUL CORP (602) 263-6647
EPA ID:	NYR000040477
Contact:	BILL WOODS (718) 562-8700
Classification:	Conditionally Exempt Small Quantity Generator
TSDF Activities:	Not reported
Violation Status:	No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

N71 **562 W 23RD ST/MANHATTAN** **LTANKS** **S104275573**
North **562 WEST 23RD STREET** **N/A**
1/8-1/4 **NEW YORK CITY, NY**
844 ft.

Site 5 of 5 in cluster N

Relative: Lower

Actual: 9 ft.

LTANKS:

Spill Number:	9000199	Region of Spill:	2
Spill Date:	03/26/1990 11:00	Reported to Dept:	04/06/90 10:05
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	Groundwater		

562 W 23RD ST/MANHATTAN (Continued) **S104275573**

Spill Cause: Tank Failure
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported
Spill Source: Other Commercial/Industrial
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 9000199
Spill Date: 03/26/90
ID: 140781
Material Spilled: GASOLINE
Region Close Dt: 06/21/00
Resource Affectd: GROUNDWATER
Spill Cause: TANK FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 04/06/90
Amount Spilled: -1 lbs.

Spill Source: OTHER COMM/INDUSTRIAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

562 W 23RD ST/MANHATTAN (Continued) **S104275573**

Num Times Material Entry In File: 21329
DEC Remarks: SITE STILL CONTAMINATED . REFERED TO 97-00188
Spill Cause: TANK FAILED AIR PRESSURE TEST.

Spill Number: 0205608
Spill Date: 08/27/02
ID: 37247
Material Spilled: #2 FUEL OIL
Region Close Dt: 12/10/02
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: Not reported
Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported
Num Times Material Entry In File: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 08/28/02
Amount Spilled: Unknown Gal.
Spill Source: OTHER COMM/INDUSTRIAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

562 W 23RD ST/MANHATTAN (Continued) **S104275573**

DEC Remarks: Not reported
Spill Cause: Not reported

M72
NNE
1/8-1/4
856 ft.

MENDEN LEASING **LTANKS** **S104276716**
523 W 23RD ST **N/A**
NY, NY

Site 7 of 9 in cluster M

Relative:
Equal

Actual:
10 ft.

LTANKS:

Spill Number:	9513588	Region of Spill:	2
Spill Date:	01/26/1996 12:00	Reported to Dept:	01/26/96 14:07
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Tank Truck
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9513588	Region of Spill:	2
Spill Date:	01/26/96	Reported to Dept:	/ /
ID:	227712	Date Call Received:	01/26/96
Material Spilled:	GASOLINE	Amount Spilled:	0 Gal.
Region Close Dt:	02/22/01		
Resource Affectd:	ON LAND		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	TANK TRUCK
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: 1-5
Test Method: Petro-Tite

MENDEN LEASING (Continued) **S104276716**

Capacity of Failed Tank: 550
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: TRANSFERED FROM O DOWD TO TIBBE ON 02/22/01. REFER TO 96-05688. SEE ALSO 95-11782, 98-08740, 86-05564.
Spill Cause: tested w/water - visual leak - 5 tanks all 550 gallons/ possibilty of a 6th tank that is buried

---

M73 **EMSIG MFG CORP** **RCRA-SQG 1000252529**
NNE **521 W 23RD ST** **FINDS NYD000818609**
1/8-1/4 **NEW YORK, NY 10011**
856 ft.

Site 8 of 9 in cluster M

Relative: Equal

Actual: 10 ft.

RCRAInfo:
Owner: EMSIG MFG CORP
(212) 555-1212
EPA ID: NYD000818609
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

M74 **ARTISTS' CONDOMINIUM** **UST U000407266**
NNE **521 WEST 23RD STREET** **N/A**
1/8-1/4 **NY, NY 10011**
856 ft.

Site 9 of 9 in cluster M

Relative: Equal

Actual: 10 ft.

PBS UST:
PBS Number: 2-304158
CBS Number: Not reported
SPDES Number: Not reported
SWIS ID: 6201
Operator: SERATH WICKRAMRINGHE
(212) 691-3012
Emergency Contact: WILLIAM R. STEIN
(516) 294-8768
Total Tanks: 1
Owner: ARTISTS' CONDOMINIUM
521 WEST 23RD STREET
NEW YORK, NY 10011

ARTISTS' CONDOMINIUM (Continued) **U000407266**

(212) 206-7348
Owner Type: Corporate/Commercial
Owner Mark: Second Owner
Owner Subtype: Not reported
Mailing Address: OMNIBUS MANAGEMENT, LTD.
ATTN: WILLIAM R. STEIN
100 RING ROAD WEST
SUITE 101
GARDEN CITY, NY 11530
(516) 248-4920
Tank Status: In Service
Capacity (gals): 5000
Tank Location: UNDERGROUND
Tank Id: 001 Install Date: Not reported
Tank Type: Steel/carbon steel Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Internal: NONE Pipe Internal: NONE
Pipe Location: Underground Pipe Type: STEEL/IRON
Tank External: NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE
Second Containment: VAULT
Leak Detection: NONE
Overfill Prot: Product Level Gauge Dispenser: Suction
Date Tested: 04/30/2001 Next Test Date: 04/30/2006
Date Closed: Not reported Test Method: 21
Deleted: False Updated: True
Dead Letter: False Owner Screen: No data missing
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 5000 Renewal Date: Not reported
Tank Screen: No data missing Federal ID: Not reported
Renew Flag: Renwal has not been printed Facility Screen: No data missing
Certification Flag: False Certification Date: 05/25/2001
Old PBS Number: Not reported Expiration Date: 02/01/2006
Inspected Date: Not reported Inspector: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: APARTMENT BUILDING
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 62
Region: 2

PBS OWNHIST
Operator: MARBROSE MGMT CO INC
Emergency: COASTAL PETROLEUM TANK CORP
Emergency Tel: (212) 475-4263 Old PBSNO: Not reported
Facility Type: Not reported
Facility Owner: 521 WEST 23RD ST
Facility Address: 521 WEST 23RD STREET
521 WEST 23RD STREET
NY, NY 10011
Inspector: Not reported Inspect Date: Not reported
Insp Result: Not reported Federal ID: Not reported
Owner: 521 WEST 23RD ST REALTY CO
Owner Tel: (212) 645-4666 Owner Type: Not reported
Owner Subtype: Not reported
Mail Address: 521 WEST 23RD ST REALTY CO
137 WAVERLY PL

ARTISTS' CONDOMINIUM (Continued) **U000407266**

NY, NY 10014
Not reported
(212) 645-4666
Owner Mark: First Owner
Certify Date: 10/23/1992 Expiration: 10/23/1992
Total Capacity (Gal): 5000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6201
Facility Phone : (212) 645-4666
Num of Active Tanks : 1
Facility Owner: 521 WEST 23RD ST REALTY CO
Facility Address: 137 WAVERLY PL

NY, NY 10014
Owner Phone: (212) 645-4666
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 02/01/2001
Facility Record Updated: True

---

75 SE 1/8-1/4 875 ft. **METROPOLITAN OLDSMOBILE INC** **RCRA-SQG 1000367827**
440 W 19TH ST **FINDS NYD981489230**
NEW YORK, NY 10011 **UST**

Relative: Higher

Actual: 14 ft.

RCRAInfo:
Owner: OPERATING CORP
(212) 555-1212
EPA ID: NYD981489230
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

PBS UST:
PBS Number: 2-349372 CBS Number: Not reported
SPDES Number: Not reported SWIS ID: 6201
Operator: ROBERT RUBIN
(212) 620-5800
Emergency Contact: A B C FUEL OIL CO, INC
(718) 633-5600
Total Tanks: 1
Owner: METROPOLITAN OLDS, INC
440 W 19TH ST
NEW YORK, NY 10011
(212) 620-5800
Owner Type: Not reported
Owner Mark: First Owner

METROPOLITAN OLDSMOBILE INC (Continued) **1000367827**

Owner Subtype:	Not reported		
Mailing Address:	METROPOLITAN OLDS, INC 440 W 19TH ST NEW YORK, NY 10011 (212) 620-5800		
Tank Status:	In Service		
Capacity (gals):	1500		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	12/27/1987
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	1500	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	05/19/1988
Old PBS Number:	Not reported	Expiration Date:	05/19/1993
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

76
NNE
1/8-1/4
894 ft.

537 -541 W. 24TH ST
MANHATTAN, NY

LTANKS **S104782023**
N/A

Relative:
Equal

Actual:
10 ft.

LTANKS:

Spill Number:	0005393	Region of Spill:	2
Spill Date:	08/05/2000 10:30	Reported to Dept:	08/05/00 12:35
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Failure		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	0005393	Region of Spill:	2
Spill Date:	08/05/00	Reported to Dept:	/ /
ID:	66977	Date Call Received:	08/05/00
Material Spilled:	#2 FUEL OIL GASOLINE	Amount Spilled:	Unknown Gal. Unknown Gal.

(Continued) **S104782023**

Region Close Dt: Not closed
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum

Spill Source: OTHER COMM/INDUSTRIAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

(Continued) **S104782023**

Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: while removing tanks contaminated soil found -

O77 SSE 1/8-1/4 895 ft. **MENDON LEASING CORP** **RCRA-SQG 1000871565**
440 W 18TH ST **FINDS NY0000071357**
NEW YORK, NY 10011 **UST**

Site 1 of 2 in cluster O

Relative: Higher

Actual: 14 ft.

RCRAInfo:
Owner: RETACO HOLDING CORP
(718) 389-2100
EPA ID: NY0000071357

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

PBS UST:

PBS Number:	2-032298	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	JIM MCELHINNEY (516) 437-5305		
Total Tanks:	0		
Owner:	RETACO HOLDING CORP 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	RETACO HOLDING CORP ATTN: JIM MCELHINNEY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		

MENDON LEASING CORP (Continued) **1000871565**

Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	12/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/22/1992
Old PBS Number:	Not reported	Expiration Date:	12/30/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-032298	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	JIM MCELHINNEY (516) 437-5305		
Total Tanks:	0		
Owner:	RETACO HOLDING CORP 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	RETACO HOLDING CORP ATTN: JIM MCELHINNEY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	006	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported

MENDON LEASING CORP (Continued) **1000871565**

Date Closed:	12/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/22/1992
Old PBS Number:	Not reported	Expiration Date:	12/30/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-032298	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	JIM MCELHINNEY (516) 437-5305		
Total Tanks:	0		
Owner:	RETACO HOLDING CORP 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	RETACO HOLDING CORP ATTN: JIM MCELHINNEY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	12/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported

MENDON LEASING CORP (Continued) **1000871565**

Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/22/1992
Old PBS Number:	Not reported	Expiration Date:	12/30/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-032298	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	JIM MCELHINNEY (516) 437-5305		
Total Tanks:	0		
Owner:	RETACO HOLDING CORP 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	RETACO HOLDING CORP ATTN: JIM MCELHINNEY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	12/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/22/1992
Old PBS Number:	Not reported	Expiration Date:	12/30/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		

MENDON LEASING CORP (Continued) **1000871565**

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
1 additional NY PBS record(s) in the EDR Site Report.

P78
SSW
1/8-1/4
927 ft.

Relative:
Equal

Actual:
10 ft.

NORTHEAST LABORATORY - DRUG ENFORCEMENT **RCRA-SQG** **1000833453**
99 10TH AVE ROOM 721 **FINDS** **NYD987017514**
NEW YORK, NY 10011

Site 1 of 2 in cluster P

RCRAInfo:
Owner: ABLE EMPIRE
(212) 989-0175
EPA ID: NYD987017514

Contact: ROGER GODINO
(212) 620-3677

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access
additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

O79
SSE
1/8-1/4
942 ft.

Relative:
Higher

Actual:
14 ft.

DRIVE IN STUDIOS **UST** **U003790887**
435 WEST 18TH STREET **N/A**
NEW YORK, NY 10011

Site 2 of 2 in cluster O

PBS UST:
PBS Number: 2-606190 CBS Number: Not reported
SPDES Number: Not reported SWIS ID: 6201
Operator: KIMBERLY SLAYTON
(212) 645-2244
Emergency Contact: TED HARRISON
(917) 991-2859
Total Tanks: 1
Owner: CARMEN SAVINO - MANAGING MEMBER
6736 RIDGE BLVD.
BROOKLYN, NY 11220
(718) 238-8086
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: ALCAM PROPERTY MANAGEMENT, LLC
ATTN: CARMEN SAVINO
6736 RIDGE BLVD.
BROOKLYN, NY 11220
(718) 238-8086
Tank Status: In Service

MENDON LEASING CORP (Continued) **1000871565**

Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-032298	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	MENDON LEASING CORP (212) 255-0900		
Emergency Contact:	JIM MCELHINNEY (516) 437-5305		
Total Tanks:	0		
Owner:	RETACO HOLDING CORP 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	RETACO HOLDING CORP ATTN: JIM MCELHINNEY 362 KINGSLAND AVE BROOKLYN, NY 11222 (718) 389-2100		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	12/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/22/1992
Old PBS Number:	Not reported	Expiration Date:	12/30/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

DRIVE IN STUDIOS (Continued) **U003790887**

Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	PAINTED/ASPHALT COATING		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge, Vent Whistle	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	12/27/1987
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	2000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/06/2001
Old PBS Number:	Not reported	Expiration Date:	07/05/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

P80 **ABLE EMPIRE GROUP** **RCRA-SQG 1000994402**
SSW **99 TENTH AVE** **FINDS NYD986878601**
1/8-1/4 **NEW YORK, NY 10011**
944 ft.

Site 2 of 2 in cluster P

Relative: Equal

Actual: 10 ft.

RCRAInfo:

Owner:	ABE HIRSCHFELD
	(212) 555-1212
EPA ID:	NYD986878601
Contact:	Not reported
Classification:	Small Quantity Generator
TSDF Activities:	Not reported
Violation Status:	No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

ABLE EMPIRE GROUP (Continued) **1000994402**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

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81 SSE 1/8-1/4 1023 ft. **FREEDMAN CUTOUTS** **LTANKS** **S100493965**
444 WEST 17TH STREET **N/A**
MANHATTAN, NY

Relative: Higher

Actual: 13 ft.

LTANKS:

Spill Number:	9206441	Region of Spill:	2
Spill Date:	09/03/1992 09:40	Reported to Dept:	09/03/92 09:43
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	Groundwater		
Spill Cause:	Tank Failure		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9206441	Region of Spill:	2
Spill Date:	09/03/92	Reported to Dept:	/ /
ID:	173553	Date Call Received:	09/03/92
Material Spilled:	GASOLINE	Amount Spilled:	-1 lbs.
Region Close Dt:	12/21/00		
Resource Affectd:	GROUNDWATER		
Spill Cause:	TANK FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported

FREEDMAN CUTOUTS (Continued) **S100493965**

Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: TRANSFERED FROM TANG TO TIBBE ON 12/21/00. SEE FILE. AKA 455 WEST 16TH STR.
Spill Cause: DISCOVERED DURING TANK PULL, GENE SULLIVAN OFFICE WAS NOTIFIED ABOUT JAN - FEB 92 ARE WORKING ON REMEDIATION.

Q82 **DR. SERSINI** **LTANKS** **S104275721**
ESE **415 WEST 21ST STREET** **N/A**
1/8-1/4 **NEW YORK CITY, NY**
1031 ft.

Site 1 of 2 in cluster Q

Relative: Higher

Actual: 16 ft.

LTANKS:

Spill Number: 9411689
Spill Date: 12/02/1994 07:30
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported
Region of Spill: 2
Reported to Dept: 12/02/94 08:12
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Private Dwelling
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 9411689
Spill Date: 12/02/94
ID: 208789
Material Spilled: #2 FUEL OIL
Region Close Dt: 12/02/94
Resource Affectd: ON LAND
Spill Cause: TANK OVERFILL
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Region of Spill: 2
Reported to Dept: / /
Date Call Received: 12/02/94
Amount Spilled: 2 Gal.
Spill Source: PRIVATE DWELLING
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported

DR. SERSINI (Continued) **S104275721**

Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 2
Units: Gallons
Unknown Qty Spilled: 2
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: TANK WAS ALREADY FULL. WHALECO WENT TO FILL AND IT OVERFILLED. IN PROC ESS OF CLEANING UP. NCB.

Q83 **415 W. 21ST STREET** **LTANKS** **S102672732**
ESE **415 W. 21ST STREET** **N/A**
1/8-1/4 **MANHATTAN, NY**
1031 ft.

Site 2 of 2 in cluster Q

Relative: Higher

Actual: 16 ft.

LTANKS:
Spill Number: 9412289
Region of Spill: 2
Spill Date: 12/14/1994 09:30
Reported to Dept: 12/14/94 09:47
ID: Not reported
Date Call Received: Not reported
Material Spilled: Not reported
Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Spill Source: Private Dwelling
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported

Spill Number: 9412289
Region of Spill: 2
Spill Date: 12/14/94
Reported to Dept: / /
ID: 209425
Date Call Received: 12/14/94
Material Spilled: #2 FUEL OIL
Amount Spilled: 5 Gal.

415 W. 21ST STREET (Continued) **S102672732**

Region Close Dt: 12/14/94
Resource Affectd: ON LAND
Spill Cause: TANK OVERFILL
Water Affected: Not reported
Spill Source: PRIVATE DWELLING
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 5
Units: Gallons
Unknown Qty Spilled: 5
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: SPILL CONTAINED ON CONCRETE WALKWAY-SERVICE TO DO CLEANUP

84 NNW 1/8-1/4 1048 ft. **JHT LEASING CORP 603 WEST 23RD ST NEW YORK, NY 10001** **UST** **U000395237 N/A**

Relative: Lower

Actual: 6 ft.

PBS UST:

PBS Number:	2-094315	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	JHT LEASING CORP (212) 255-5266		
Emergency Contact:	JOSEPH GAMBINO (718) 238-8194		
Total Tanks:	0		
Owner:	DYNAMIC DELIVERY CORP 141 WEST 35TH ST NEW YORK, NY 10001 (212) 695-2125		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DYNAMIC DELIVERY CORP R141 W 35 ST NEW YORK, NY 10001 (212) 695-2125		
Tank Status:	Closed - In Place		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1978
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	09/01/1988	Next Test Date:	Not reported
Date Closed:	02/01/1996	Test Method:	TANK AUDITOR
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	04/03/1992
Old PBS Number:	Not reported	Expiration Date:	05/07/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-094315	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	JHT LEASING CORP		

JHT LEASING CORP (Continued) **U000395237**

	(212) 255-5266		
Emergency Contact:	JOSEPH GAMBINO (718) 238-8194		
Total Tanks:	0		
Owner:	DYNAMIC DELIVERY CORP 141 WEST 35TH ST NEW YORK, NY 10001 (212) 695-2125		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DYNAMIC DELIVERY CORP R141 W 35 ST NEW YORK, NY 10001 (212) 695-2125		
Tank Status:	Closed - In Place		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	12/01/1978
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	09/01/1988	Next Test Date:	Not reported
Date Closed:	02/01/1996	Test Method:	TANK AUDITOR
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	04/03/1992
Old PBS Number:	Not reported	Expiration Date:	05/07/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

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85 **23RD STREET VENTURE LLC** **RCRA-SQG** **1006817519**
NNE **540 W 24TH ST** **NYR000116376**
1/8-1/4 **NEW YORK, NY 10011**
1062 ft.

Relative:
Higher

Actual:
11 ft.

23RD STREET VENTURE LLC (Continued) **1006817519**

RCRAInfo:
Owner: 23RD STREET VENTURE LLC
(718) 224-7147
EPA ID: NYR000116376
Contact: STEVEN CHARNO
(718) 224-7147
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

R86 NE 1/8-1/4 1070 ft. **ADOLPHS TRUCKING CO, INC** **UST** **U001836250**
507-11 WEST 24TH ST **N/A**
NEW YORK, NY 10011

Site 1 of 5 in cluster R

Relative: Higher

Actual: 12 ft.

PBS UST:

PBS Number:	2-317888	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	DAVID DUCHINI (212) 924-8010		
Emergency Contact:	DAVID DUCHINI (212) 924-8010		
Total Tanks:	0		
Owner:	ADOLPHS TRUCKING CO, INC 507-11 WEST 24TH ST NEW YORK, NY 10011 (212) 924-8010		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ADOLPHS TRUCKING CO, INC ATTN: DAVID DUCHINI 507-11 WEST 24TH ST NEW YORK, NY 10011 (212) 924-8010		
Tank Status:	Closed - In Place		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	05/01/1983
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1999	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported

ADOLPHS TRUCKING CO, INC (Continued) **U001836250**

Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	10/02/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-317888	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	DAVID DUCHINI (212) 924-8010		
Emergency Contact:	DAVID DUCHINI (212) 924-8010		
Total Tanks:	0		
Owner:	ADOLPHS TRUCKING CO, INC 507-11 WEST 24TH ST NEW YORK, NY 10011 (212) 924-8010		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ADOLPHS TRUCKING CO, INC ATTN: DAVID DUCHINI 507-11 WEST 24TH ST NEW YORK, NY 10011 (212) 924-8010		
Tank Status:	Closed - In Place		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	05/01/1983
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1999	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	10/02/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		

ADOLPHS TRUCKING CO, INC (Continued) **U001836250**

Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-317888	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	DAVID DUCHINI (212) 924-8010		
Emergency Contact:	DAVID DUCHINI (212) 924-8010		
Total Tanks:	0		
Owner:	ADOLPHS TRUCKING CO, INC 507-11 WEST 24TH ST NEW YORK, NY 10011 (212) 924-8010		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ADOLPHS TRUCKING CO, INC ATTN: DAVID DUCHINI 507-11 WEST 24TH ST NEW YORK, NY 10011 (212) 924-8010		
Tank Status:	Closed - Removed		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	None	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	06/01/1997	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	10/02/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

ADOLPHS TRUCKING CO, INC (Continued) **U001836250**

PBS Number:	2-317888	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	DAVID DUCHINI (212) 924-8010		
Emergency Contact:	DAVID DUCHINI (212) 924-8010		
Total Tanks:	0		
Owner:	ADOLPHS TRUCKING CO, INC 507-11 WEST 24TH ST NEW YORK, NY 10011 (212) 924-8010		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ADOLPHS TRUCKING CO, INC ATTN: DAVID DUCHINI 507-11 WEST 24TH ST NEW YORK, NY 10011 (212) 924-8010		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	None	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	06/01/1997	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	10/02/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-317888	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	DAVID DUCHINI (212) 924-8010		
Emergency Contact:	DAVID DUCHINI		

ADOLPHS TRUCKING CO, INC (Continued) **U001836250**

	(212) 924-8010		
Total Tanks:	0		
Owner:	ADOLPHS TRUCKING CO, INC 507-11 WEST 24TH ST NEW YORK, NY 10011 (212) 924-8010		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ADOLPHS TRUCKING CO, INC ATTN: DAVID DUCHINI 507-11 WEST 24TH ST NEW YORK, NY 10011 (212) 924-8010		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	None	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	06/01/1997	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	10/02/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
3 additional NY PBS record(s) in the EDR Site Report.

S87
West
1/8-1/4
1078 ft.

CHELSEA PIERS CO
23RD ST HUDSON RIVER PIER 61
NEW YORK, NY 10011

RCRA-SQG **1000555102**
FINDS **NYD986976041**

Site 1 of 2 in cluster S

Relative:
Lower

Actual:
0 ft.

RCRAInfo:
Contact: ABE HERNANDEZ
(212) 336-6100

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 40 cfr 265.31
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/06/1994
Actual Date Achieved Compliance: 11/06/1994

Regulation Violated: 40 cfr 262.12
Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined: 10/06/1994
Actual Date Achieved Compliance: 10/11/1994

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19941106
	GENERATOR-RECORDKEEPING REQUIREMENTS	19941011

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

S88
West
1/8-1/4
1078 ft.

CON EDISON - PIER 62
W MARGINAL & W 20TH ST
NEW YORK, NY 10011

RCRA-SQG **1000111687**
FINDS **NYD982280349**

Site 2 of 2 in cluster S

Relative:
Lower

Actual:
0 ft.

RCRAInfo:
Owner: CON EDISON
(212) 555-1212
EPA ID: NYD982280349

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

CON EDISON - PIER 62 (Continued) **1000111687**

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

R89 NE 1/8-1/4 1107 ft. **239 10TH AVE/MANH/GETTY** **LTANKS** **S100167969**
239 10TH AVENUE **N/A**
NEW YORK CITY, NY

Site 2 of 5 in cluster R

Relative: Higher

Actual: 13 ft.

LTANKS:

Spill Number:	9005116	Region of Spill:	2
Spill Date:	08/08/1990 11:00	Reported to Dept:	08/08/90 15:17
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Gas Station
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9005116	Region of Spill:	2
Spill Date:	08/08/90	Reported to Dept:	/ /
ID:	145726	Date Call Received:	08/08/90
Material Spilled:	GASOLINE	Amount Spilled:	-1 lbs.
Region Close Dt:	07/16/92		
Resource Affectd:	ON LAND		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	GASOLINE STATION
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard:	Not reported
Recommended Penalty:	Not reported
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	Not reported
Spill Record Last Update:	/ /

239 10TH AVE/MANH/GETTY (Continued) **S100167969**

Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: 4K TANK FAILED AN AIR PRESSURE TEST.

R90 **POWERTEST/GETTY 00341** **UST** **U000403440**
NE **239 10TH AVE** **N/A**
1/8-1/4 **NY, NY 10011**
1107 ft.

Site 3 of 5 in cluster R

Relative: Higher

Actual: 13 ft.

PBS UST:
PBS Number: 2-151270
SPDES Number: Not reported
Operator: LUIS OCHOTORENA
(212) 645-7846
Emergency Contact: EDWARD F. WALDRON
(718) 729-6500
Total Tanks: 2
Owner: LEEMILTS PETROLEUM INC
125 JERICHO TURNPIKE
JERICHO, NY 11753
(516) 338-6000
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: GETTY PETROLEUM CORP
3023 GREEN POINT AVENUE
LONG ISLAND CITY, NY 11101
(718) 729-6500
Tank Status: Closed - Removed
Capacity (gals): 4000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE/SACRIFICIAL ANODE

CBS Number: Not reported
SWIS ID: 6201
Install Date: 07/01/1975
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: GALVANIZED STEEL

POWERTEST/GETTY 00341 (Continued) **U000403440**

Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/VAULT		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	06/01/1994	Next Test Date:	Not reported
Date Closed:	11/01/1998	Test Method:	TANKOLOGY [VACUTECT]
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	07/06/2000
Old PBS Number:	Not reported	Expiration Date:	08/26/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-151270	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	LUIS OCHOTORENA (212) 645-7846		
Emergency Contact:	EDWARD F. WALDRON (718) 729-6500		
Total Tanks:	2		
Owner:	LEEMILTS PETROLEUM INC 125 JERICHO TURNPIKE JERICHO, NY 11753 (516) 338-6000		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	GETTY PETROLEUM CORP 3023 GREEN POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 729-6500		
Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	07/01/1975
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	RUBBER LINER
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	SACRIFICIAL ANODE/SACRIFICIAL ANODE		
Second Containment:	NONE/VAULT		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	None
Date Tested:	06/01/1994	Next Test Date:	Not reported
Date Closed:	11/01/1998	Test Method:	TANKOLOGY [VACUTECT]

POWERTEST/GETTY 00341 (Continued) **U000403440**

Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	07/06/2000
Old PBS Number:	Not reported	Expiration Date:	08/26/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-151270	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	LUIS OCHOTORENA (212) 645-7846		
Emergency Contact:	EDWARD F. WALDRON (718) 729-6500		
Total Tanks:	2		
Owner:	LEEMILTS PETROLEUM INC 125 JERICHO TURNPIKE JERICHO, NY 11753 (516) 338-6000		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	GETTY PETROLEUM CORP 3023 GREEN POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 729-6500		
Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	11/01/1998
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/VAULT		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	06/01/1994	Next Test Date:	Not reported
Date Closed:	11/01/1998	Test Method:	TANKOLOGY [VACUTECT]
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	07/06/2000

POWERTEST/GETTY 00341 (Continued) **U000403440**

Old PBS Number:	Not reported	Expiration Date:	08/26/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-151270	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	LUIS OCHOTORENA (212) 645-7846		
Emergency Contact:	EDWARD F. WALDRON (718) 729-6500		
Total Tanks:	2		
Owner:	LEEMILTS PETROLEUM INC 125 JERICHO TURNPIKE JERICHO, NY 11753 (516) 338-6000		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	GETTY PETROLEUM CORP 3023 GREEN POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 729-6500		
Tank Status:	Temporarily Out of Service		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	11/01/1998
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	UNLEADED GASOLINE
Tank Internal:	FIBERGLASS LINER [FRP]	Pipe Internal:	FIBERGLASS LINER [FRP]
Pipe Location:	Underground	Pipe Type:	FIBERGLASS [FRP]
Tank External:	NONE/FIBERGLASS		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/FIBERGLASS		
Second Containment:	NONE/DOUBLED-WALLED TANK		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Prot:	High Level Alarm, Catch Basin	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	07/06/2000
Old PBS Number:	Not reported	Expiration Date:	08/26/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		

POWERTEST/GETTY 00341 (Continued) **U000403440**

County Code:	62		
Region:	2		
PBS Number:	2-151270	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	LUIS OCHOTORENA (212) 645-7846		
Emergency Contact:	EDWARD F. WALDRON (718) 729-6500		
Total Tanks:	2		
Owner:	LEEMILTS PETROLEUM INC 125 JERICHO TURNPIKE JERICHO, NY 11753 (516) 338-6000		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	GETTY PETROLEUM CORP 3023 GREEN POINT AVENUE LONG ISLAND CITY, NY 11101 (718) 729-6500		
Tank Status:	Temporarily Out of Service		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	11/01/1998
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	UNLEADED GASOLINE
Tank Internal:	FIBERGLASS LINER [FRP]	Pipe Internal:	FIBERGLASS LINER [FRP]
Pipe Location:	Underground	Pipe Type:	FIBERGLASS [FRP]
Tank External:	NONE/FIBERGLASS		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/FIBERGLASS		
Second Containment:	NONE/DOUBLED-WALLED TANK		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Prot:	High Level Alarm, Catch Basin	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	07/06/2000
Old PBS Number:	Not reported	Expiration Date:	08/26/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

R91
NE
1/8-1/4
1107 ft.

GETTY GAS STATION
239 10 AV
NYC, NY

LTANKS **S100167594**
N/A

Site 4 of 5 in cluster R

Relative:
Higher

Actual:
13 ft.

LTANKS:

Spill Number:	8806159	Region of Spill:	2
Spill Date:	10/20/1988 15:00	Reported to Dept:	10/21/88 08:41
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	Groundwater		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Gas Station
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

R92
NE
1/8-1/4
1107 ft.

239 10TH AVENUE/GETTY
239 10TH AVENUE
NEW YORK CITY, NY

LTANKS **S100167595**
N/A

Site 5 of 5 in cluster R

Relative:
Higher

Actual:
13 ft.

LTANKS:

Spill Number:	8806160	Region of Spill:	2
Spill Date:	10/20/1988 15:00	Reported to Dept:	10/21/88 08:41
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	Groundwater		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Gas Station
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	8806160	Region of Spill:	2
Spill Date:	10/20/88	Reported to Dept:	/ /
ID:	124088	Date Call Received:	10/21/88
Material Spilled:	GASOLINE	Amount Spilled:	-1 lbs.
Region Close Dt:	07/29/94		
Resource Affectd:	GROUNDWATER		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	GASOLINE STATION
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	2-151270		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		
Cleanup Meets Standard:	Not reported		
Recommended Penalty:	Not reported		

239 10TH AVENUE/GETTY (Continued) **S100167595**

Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: 08/01/94: SEE EPS LETTER DATED 7/29/94 CROSS REFERENCE TO SPILL 8806159.
Spill Cause: 2) 4K TANKS FAILED.

T93 SSW 1/8-1/4 1119 ft. **LEVEL 3 COMMUNICATIONS** **RCRA-SQG 1004762738**
85 10TH AVE 1ST FLOOR **FINDS NYR000099978**
NEW YORK, NY 10011

Relative: Lower **Actual: 9 ft.**

Site 1 of 3 in cluster T

RCRAInfo:
Owner: LEVEL 3 COMMUNICATIONS
(212) 399-3600
EPA ID: NYR000099978

Contact: ANTHONY SIROTKA
(212) 399-3600

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number

T94
SSW
1/8-1/4
1119 ft.

LODO REALTY
85 10TH AVE - 3RD FLOOR
NEW YORK, NY 10011

RCRA-SQG **1004761157**
FINDS **NYR000077701**

Site 2 of 3 in cluster T

Relative:
Lower

Actual:
9 ft.

RCRAInfo:
Owner: LODO REALTY
(212) 691-2254
EPA ID: NYR000077701
Contact: JOSEPH CATALFANO
(212) 829-0880
Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

T95
SSW
1/8-1/4
1119 ft.

MANARK ASSOCIATES DIP
85 10TH AVE
NEW YORK, NY 10011

RCRA-SQG **1000912544**
FINDS **NY0000861534**

Site 3 of 3 in cluster T

Relative:
Lower

Actual:
9 ft.

RCRAInfo:
Owner: MANARK ASSOCIATES DIP
(718) 937-8700
EPA ID: NY0000861534
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

U96
ESE
1/8-1/4
1131 ft.

400 WEST 20TH STREET
400 WEST 20TH STREET
NEW YORK, NY 10011

UST **U003790896**
N/A

Site 1 of 3 in cluster U

Relative:
Higher

Actual:
16 ft.

PBS UST:
PBS Number: 2-606340
SPDES Number: Not reported
Operator: WILLIE MAJOR
(212) 865-7230
Emergency Contact: PHILIP PACI
(845) 298-0485
Total Tanks: 1
Owner: LORRAINE PACI & RITA VOGLIANO
39 SHERWOOD HEIGHTS
WAPPINGERS FALLS, NY 12590
CBS Number: Not reported
SWIS ID: 6201

400 WEST 20TH STREET (Continued) **U003790896**

(845) 297-8459
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: CINQUINI PROPERTIES
ATTN: PHILIP PACI
39 SHERWOOD HEIGHTS
WAPPINGER FALLS, NY 12590
(845) 298-0485
Tank Status: In Service
Capacity (gals): 2500
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS

Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	0	Pipe Internal:	NONE
Pipe Location:	Aboveground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Vent Whistle	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	2500	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/20/2001
Old PBS Number:	Not reported	Expiration Date:	07/13/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

U97 **166-35 9TH AVE/** **LTANKS** **S104275518**
ESE **166-35 9TH AVENUE** **N/A**
1/8-1/4 **NEW YORK CITY, NY**
1132 ft.

Site 2 of 3 in cluster U

Relative:
Higher

Actual:
16 ft.

LTANKS:

Spill Number:	8803864	Region of Spill:	2
Spill Date:	08/02/1988 14:15	Reported to Dept:	08/02/88 15:33
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	Groundwater		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

166-35 9TH AVE/ (Continued) **S104275518**

Spill Number: 8803864
Spill Date: 08/02/88
ID: 121797
Material Spilled: #4 FUEL OIL
Region Close Dt: 09/30/92
Resource Affectd: GROUNDWATER
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: 2-158275
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 08/02/88
Amount Spilled: -1 lbs.
Spill Source: OTHER COMM/INDUSTRIAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: / / : 3105 3195 1 0 4 2 N.T.R1 T2-057053 0041112/47+ 3105 3195 1 0 4 2 N.T.R1 T2-057061 0011112/47+ 3105 3195 1 0 4 2 N.T.R1 T.
Spill Cause: 3K TANK FAILED HORNER EZY CHECK, GROSS FAILURE IN STANDPIPE, WILL EXCAVATE AND INVESTIGATE.

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number
U98 **ESE** **1/8-1/4** **1138 ft.**	**GENERAL THEOLOGIEAL SEMINARY** **175 9TH AVE** **NEW YORK, NY 10011**	**RCRA-SQG** **FINDS**	**1001223855** **NYR000050716**

Site 3 of 3 in cluster U

Relative: Higher

Actual: 17 ft.

RCRAInfo:

Owner: THE GENERAL THEOLOGICAL SEMINAR
(212) 243-5150

EPA ID: NYR000050716

Contact: FREDDIE HORNEDO
(212) 243-5150

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

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99 **SSE** **1/8-1/4** **1147 ft.**	**NYCHA - FULTON HOUSES** **427-431 W 17TH ST** **NEW YORK, NY 10011**	**RCRA-SQG** **FINDS**	**1001224124** **NYR000053405**

Relative: Higher

Actual: 15 ft.

RCRAInfo:

Owner: NYCHA
(212) 306-3229

EPA ID: NYR000053405

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

V100 **NNW** **1/8-1/4** **1153 ft.**	**635 WEST 23RD ST** **635 W 23RD ST** **NEW YORK, NY 10011**	**UST**	**U000403895** **N/A**

Site 1 of 2 in cluster V

Relative: Lower

Actual: 4 ft.

PBS UST:

PBS Number: 2-329878
SPDES Number: Not reported
Operator: OMAR PALJEVIC
(212) 243-4000
Emergency Contact: WELLS & GAY REAL ESTATE
(212) 243-4000
Total Tanks: 1

CBS Number: Not reported
SWIS ID: 6201

635 WEST 23RD ST (Continued) **U000403895**

Owner:	CMRC LTD C/O 340 W 23RD ST NEW YORK, NY 10011 (212) 243-4000		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	CMRC LTD ATTN: DAVID BRIMLOW C/O 340 W 23RD ST NEW YORK, NY 10011 (212) 243-4000		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	4000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	06/25/1992
Old PBS Number:	Not reported	Expiration Date:	08/28/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER RETAIL SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

V101 **EVERGREENE PAINTING STUDIOS** **RCRA-SQG** **1000790485**
NNW **635 W 23RD ST** **FINDS** **NYD987019692**
1/8-1/4 **NEW YORK, NY 10011**
1153 ft.

Site 2 of 2 in cluster V

Relative:
Lower

Actual:
4 ft.

455 WEST 16TH STREET (Continued) **U001841438**

Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/01/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-600410	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	PHILIP FRIEDMAN (212) 243-4700		
Emergency Contact:	PHILIP FRIEDMAN (212) 243-4700		
Total Tanks:	0		
Owner:	FREEDMAN REALTY 455 WEST 16TH STREET NEW YORK, NY 10011 (212) 243-4700		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	FREEDMAN REALTY ATTN: MR. PHILIP FRIEDMAN 444 WEST 17TH STREET NEW YORK, NY 10011 (212) 243-4700		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	EMPTY
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	OTHER		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		

EVERGREENE PAINTING STUDIOS (Continued) **1000790485**

RCRAInfo:
Owner: EVERGREENE PAINTING STUDIOS
(212) 727-9500
EPA ID: NYD987019692
Contact: DALE TAYLOR
(212) 727-9500
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

W102 South 1/8-1/4 1159 ft. **455 WEST 16TH STREET**
455 WEST 16TH STREET
NEW YORK, NY 10011 **UST U001841438**
N/A

Site 1 of 3 in cluster W

Relative: Higher

Actual: 13 ft.

PBS UST:

PBS Number:	2-600410	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	PHILIP FRIEDMAN (212) 243-4700		
Emergency Contact:	PHILIP FRIEDMAN (212) 243-4700		
Total Tanks:	0		
Owner:	FREEDMAN REALTY 455 WEST 16TH STREET NEW YORK, NY 10011 (212) 243-4700		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	FREEDMAN REALTY ATTN: MR. PHILIP FRIEDMAN 444 WEST 17TH STREET NEW YORK, NY 10011 (212) 243-4700		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	EMPTY
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	OTHER		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		

455 WEST 16TH STREET (Continued) **U001841438**

Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/01/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-600410	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	PHILIP FRIEDMAN (212) 243-4700		
Emergency Contact:	PHILIP FRIEDMAN (212) 243-4700		
Total Tanks:	0		
Owner:	FREEDMAN REALTY 455 WEST 16TH STREET NEW YORK, NY 10011 (212) 243-4700		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	FREEDMAN REALTY ATTN: MR. PHILIP FRIEDMAN 444 WEST 17TH STREET NEW YORK, NY 10011 (212) 243-4700		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	EMPTY
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	OTHER		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/01/1996
Inspected Date:	Not reported	Inspector:	Not reported

455 WEST 16TH STREET (Continued) **U001841438**

Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-600410	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	PHILIP FRIEDMAN (212) 243-4700		
Emergency Contact:	PHILIP FRIEDMAN (212) 243-4700		
Total Tanks:	0		
Owner:	FREEDMAN REALTY 455 WEST 16TH STREET NEW YORK, NY 10011 (212) 243-4700		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	FREEDMAN REALTY ATTN: MR. PHILIP FRIEDMAN 444 WEST 17TH STREET NEW YORK, NY 10011 (212) 243-4700		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	EMPTY
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	OTHER		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/01/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		

455 WEST 16TH STREET (Continued) **U001841438**

Region:	2		
PBS Number:	2-600410	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	PHILIP FRIEDMAN (212) 243-4700		
Emergency Contact:	PHILIP FRIEDMAN (212) 243-4700		
Total Tanks:	0		
Owner:	FREEDMAN REALTY 455 WEST 16TH STREET NEW YORK, NY 10011 (212) 243-4700		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	FREEDMAN REALTY ATTN: MR. PHILIP FRIEDMAN 444 WEST 17TH STREET NEW YORK, NY 10011 (212) 243-4700		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	EMPTY
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	OTHER		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/01/1996
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
1 additional NY PBS record(s) in the EDR Site Report.

W103
South
1/8-1/4
1159 ft.

FREEDMAN CUT-OUTS
455 W 16TH ST
NEW YORK, NY 10011

RCRA-SQG **1000693642**
FINDS **NYD986997070**

Site 2 of 3 in cluster W

Relative:
Higher

Actual:
13 ft.

RCRAInfo:

Owner:	FREEDMAN REALTY 212555121
EPA ID:	NYD986997070
Contact:	Not reported
Classification:	Small Quantity Generator
TSDF Activities:	Not reported
Violation Status:	No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

104
NE
1/8-1/4
1160 ft.

LONDON TERRACE TOWERS
470 WEST 24 STREET
NEW YORK, NY 10011

UST **U001839193**
N/A

Relative:
Higher

Actual:
15 ft.

PBS UST:

PBS Number:	2-365688	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	BILL MURPHY (212) 675-4003		
Emergency Contact:	BILL MURPHY (212) 675-4003		
Total Tanks:	1		
Owner:	LONDON TERRACE TOWERS OWNERS,INC. 405 WEST 23RD STREET NEW YORK, NY 10011 (212) 370-9200		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	470 WEST 24TH STREET ATTN: PAT PETTWAY-BROWN C/O INSIGNIA RESIDENTIAL GROUP 909 THIRD AVENUE, 10TH FLOOR NEW YORK, NY 10022 (212) 350-2846		
Tank Status:	In Service		
Capacity (gals):	16000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1931
Tank Type:	Steel/carbon steel	Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		

LONDON TERRACE TOWERS (Continued) **U001839193**

Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	16000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/10/1997
Old PBS Number:	Not reported	Expiration Date:	10/29/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

W105 South 1/8-1/4 1193 ft.

Relative: Higher

Actual: 13 ft.

OXYGEN MEDIA **FINDS 1001818145**
448 W 16TH ST **RCRA-LQG NYR000076299**
NEW YORK, NY 10011

Site 3 of 3 in cluster W

RCRAInfo:

Owner: CFG AGSCB CHELSEA NINTH LLC
(212) 243-6005
EPA ID: NYR000076299

Contact: IRWIN COHEN
(212) 243-6005

Classification: Large Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ANNUAL REPORTING REQUIREMENTS
Date Violation Determined: 07/19/2000
Actual Date Achieved Compliance: 10/16/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/19/2000
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-ANNUAL REPORTING REQUIREMENTS	20001016

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

OXYGEN MEDIA (Continued) **1001818145**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

X106
SE
1/8-1/4
1223 ft.
Relative: Higher
Actual: 16 ft.

TAMARA DRY CLEANERS
126 9TH AVENUE
NEW YORK, NY 10011

RCRA-SQG **1000790246**
FINDS **NYD987017241**

Site 1 of 2 in cluster X

RCRAInfo:
Owner: GEORGE ORELLANA
(212) 555-1212
EPA ID: NYD987017241

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

X107
SE
1/8-1/4
1225 ft.
Relative: Higher
Actual: 16 ft.

TAMARA DRY CLEANERS
126 9TH AVE.
NEW YORK, NY

DRYCLEANERS **S106435890**
N/A

Site 2 of 2 in cluster X

Drycleaners:
Facility ID : 2-6205-01534
Region : NY

Y108
SSW
1/8-1/4
1225 ft.
Relative: Lower
Actual: 6 ft.

PIER 57- 11TH AVENUE
PIER 57 / 11TH AVENUE
MANHATTAN, NY

LTANKS **S101341073**
N/A

Site 1 of 7 in cluster Y

LTANKS:

Spill Number:	9408802	Region of Spill:	2
Spill Date:	09/30/1994 11:00	Reported to Dept:	10/03/94 10:00
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Failure		
Water Affected:	HUDSON RIVER	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

PIER 57- 11TH AVENUE (Continued) **S101341073**

Spill Number: 9408802
Spill Date: 09/30/94
ID: 205911
Material Spilled: WASTE OIL
Region Close Dt: 12/27/00
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: HUDSON RIVER
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: WASTE OIL
Class Type: Petroleum
Chem Abstract Service Number: WASTE OIL
Last Date: 09/27/1994
Num Times Material Entry In File: 9509
DEC Remarks: transfered from Hale to Tibbe. spill cleaned by NYCT. no impact to soi l or groundwater.
Spill Cause: W.O. TANK LEAKS-NO CLEAN UP DONE

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 10/03/94
Amount Spilled: -1 lbs.
Spill Source: OTHER COMM/INDUSTRIAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
Z109 East 1/8-1/4 1235 ft.	**MANHATTAN FRENCH CLEANERS**	**RCRA-SQG**	**1005417297**
	198 9TH AVE		**NYR000104232**
	NEW YORK, NY 10011		

Site 1 of 2 in cluster Z

Relative: Higher

Actual: 17 ft.

RCRAInfo:

Owner: JEAN SHIH
(212) 675-6669

EPA ID: NYR000104232

Contact: JEAN SHIH
(212) 675-6669

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

Z110 East 1/8-1/4 1236 ft.	**JEAN'S MANHATTAN FRENCH CLEANERS**	**DRYCLEANERS**	**S106435885**
	198 9TH AVENUE		**N/A**
	NEW YORK, NY 10011		

Site 2 of 2 in cluster Z

Relative: Higher

Actual: 17 ft.

Drycleaners:

Facility ID : 2-6205-01454
Region : NY

Y111 SSW 1/8-1/4 1241 ft.	**HUDSON PIER BUS DEPOT**	**CBS AST**	**S104073311**
	11 AVE/WEST 15 STREET		**N/A**
	NEW YORK, NY 10011		

Site 2 of 7 in cluster Y

Relative: Lower

Actual: 6 ft.

CBS AST:

CBS Number:	2-000287	Telephone:	(212) 690-9602
Owner:	NEW YORK CITY TRANSIT 370 JAY STREET ROOM 819 BROOKLYN, NY 11201 (718) 243-4581		
Facility Status:	Active		
Total Tanks	1		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	11/57		
Capacity (Gal):	550		
Tank Type:	Steel/carbon steel		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	Painted/Asphalt Coating		
Intrnl Protection:	None		
Tank Containment:	Diking		
Pipe Type:	GALVANIZED STEEL	Pipe Location:	Aboveground/Underground Combination
Pipe Internal:	None		
Pipe External:	Painted/Asphalt Coating		
Pipe Containment:	None	Haz Percent:	100

HUDSON PIER BUS DEPOT (Continued) **S104073311**

Leak Detection:	None		
Overfill Protection:	Not reported		
Chemical:	Ethylene glycol		
Tank Closed:	12/99		
PBS Number:	2-190284	SWIS Code:	6201
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	107211
SPDES Number:	Not reported	ICS Number:	Not reported
Facility Type:	Municipality		
Operator:	NEW YORK CITY TRANSIT	Facility Town:	NEW YORK CITY
Emrgncy Contact:	HOWARD MATZA	Emrgncy Phone:	(718) 243-4581
Certified Date:	06/06/2001	Expiration Date:	08/11/2003
Owner type:	State Government		
Owner Sub Type:	None		
Mail Name:	NEW YORK CITY TRANSIT		
Mail Contact:	JOSEPHINE BROWN 370 JAY STREET ROOM 819 BROOKLYN, NY 11201		
Mail Phone:	(718) 243-4581		
Tank Secret:	False	Date Entered:	08/10/1995 13:23:15
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	Not reported	Date Expired:	Not reported
Is it There:	False	Is Updated:	False
Owner Status:	F		

Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Total Capacity of All Active Tanks(gal):	650
Unique Tank Id Number:	CBS-HUD-1
Date Pre-Printed Renewal App Form Was Last Printed:	04/30/2001

CBS Number:	2-000287	Telephone:	(212) 690-9602
Owner:	NEW YORK CITY TRANSIT 370 JAY STREET ROOM 819 BROOKLYN, NY 11201 (718) 243-4581		
Facility Status:	Active		
Total Tanks	1		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	04/01		
Capacity (Gal):	650		
Tank Type:	Steel/carbon steel		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	Painted/Asphalt Coating		
Intrnl Protection:	None		
Tank Containment:	Double-Walled		
Pipe Type:	GALVANIZED STEEL	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	Other		
Pipe Containment:	None	Haz Percent:	100
Leak Detection:	In-tank System/6		
Overfill Protection:	Not reported		
Chemical:	Ethylene glycol		

HUDSON PIER BUS DEPOT (Continued) **S104073311**

Tank Closed:	Not reported		
PBS Number:	2-190284	SWIS Code:	6201
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	107211
SPDES Number:	Not reported	ICS Number:	Not reported
Facility Type:	Municipality		
Operator:	NEW YORK CITY TRANSIT	Facility Town:	NEW YORK CITY
Emrgncy Contact:	HOWARD MATZA	Emrgncy Phone:	(718) 243-4581
Certified Date:	06/06/2001	Expiration Date:	08/11/2003
Owner type:	State Government		
Owner Sub Type:	None		
Mail Name:	NEW YORK CITY TRANSIT		
Mail Contact:	JOSEPHINE BROWN 370 JAY STREET ROOM 819 BROOKLYN, NY 11201		
Mail Phone:	(718) 243-4581		
Tank Secret:	False	Date Entered:	02/12/2001 15:24:41
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	Not reported	Date Expired:	Not reported
Is It There:	False	Is Updated:	False
Owner Status:	F		

Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Total Capacity of All Active Tanks(gal):	650
Unique Tank Id Number:	CBS-HUD-2
Date Pre-Printed Renewal App Form Was Last Printed:	04/30/2001

Y112 **HUDSON BUS DEPOT** **UST** **U003074389**
SSW **11TH AVE & WEST 15TH ST** **AST** **N/A**
1/8-1/4 **NEW YORK, NY 10011** **NY Spills**
1241 ft.

Site 3 of 7 in cluster Y

Relative:
Lower

Actual:
6 ft.

SPILLS:

True Date :	11/15/2004		
Spill Number:	9911311	Region of Spill:	2
Spill Date:	12/27/99	Reported to Dept:	/ /
ID:	90601		
Date Call Received:	12/27/99		
Region Close Date :	Not closed		
Material Spilled:	HYDRAULIC OIL	Amount Spilled:	30 Gal.
Spill Cause:	ON LAND	Resource Affected:	ON LAND
Water Affected:	Not reported	Spill Source:	COMMERCIAL VEHICLE
Water Affected:	Not reported	Spill Source:	COMMERCIAL VEHICLE
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
DEC Remarks :	Not reported		
Remark:	BROKEN LINE ON A TRUCK CAUSED SPILL - ALL WAS CONTAINED AND CLEANED UP		

HUDSON BUS DEPOT (Continued) **U003074389**

AS OF THIS REPORT
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 30
Units: Gallons
Unknown Qty Spilled: 30
Quantity Recovered: 30
Unknown Qty Recovered: False
Material: HYDRAULIC OIL
Class Type: Petroleum
Chem Abstract Service Number: HYDRAULIC OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 1846
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

PBS UST:
PBS Number: 2-190284
CBS Number: Not reported
SPDES Number: Not reported
SWIS ID: 6201
Operator: NYC TRANSIT
(718) 927-7777
Emergency Contact: JOSEPHINE BROWN
(718) 243-4581
Total Tanks: 10
Owner: NEW YORK CITY TRANSIT
370 JAY STREET, ROOM 819
BROOKLYN, NY 11201
(718) 243-4581
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: NEW YORK CITY TRANSIT
ATTN: JOSEPHINE BROWN
370 JAY STREET
ROOM 819
BROOKLYN, NY 11201

HUDSON BUS DEPOT (Continued) **U003074389**

	(718) 243-4581		
Tank Status:	Closed - In Place		
Capacity (gals):	7100		
Tank Location:	UNDERGROUND		
Tank Id:	HUD-5	Install Date:	01/01/1971
Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/PAINTED/ASPHALT COATING		
Second Containment:	NONE/VAULT		
Leak Detection:	IN-TANK SYSTEM/OTHER		
Overfill Prot:	High Level Alarm, Automatic Shut-Off	Dispenser:	Suction
Date Tested:	11/01/1995	Next Test Date:	Not reported
Date Closed:	11/01/1998	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	52650	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/23/2001
Old PBS Number:	Not reported	Expiration Date:	06/05/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-190284	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	NYC TRANSIT		
	(718) 927-7777		
Emergency Contact:	JOSEPHINE BROWN		
	(718) 243-4581		
Total Tanks:	10		
Owner:	NEW YORK CITY TRANSIT		
	370 JAY STREET, ROOM 819		
	BROOKLYN, NY 11201		
	(718) 243-4581		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	NEW YORK CITY TRANSIT		
	ATTN: JOSEPHINE BROWN		
	370 JAY STREET		
	ROOM 819		
	BROOKLYN, NY 11201		
	(718) 243-4581		
Tank Status:	Closed - In Place		
Capacity (gals):	7100		
Tank Location:	UNDERGROUND		
Tank Id:	HUD-6	Install Date:	01/01/1971

HUDSON BUS DEPOT (Continued) **U003074389**

Tank Type:	Steel/carbon steel	Product Stored:	DIESEL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/PAINTED/ASPHALT COATING		
Second Containment:	NONE/VAULT		
Leak Detection:	IN-TANK SYSTEM/OTHER		
Overfill Prot:	High Level Alarm, Automatic Shut-Off	Dispenser:	Suction
Date Tested:	11/01/1995	Next Test Date:	Not reported
Date Closed:	11/01/1998	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	52650	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/23/2001
Old PBS Number:	Not reported	Expiration Date:	06/05/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS AST:

PBS Number:	2-190284	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	TRUCKING/TRANSPORTATION		
Owner Type:	Local Government		
Owner Sub Type:	Not reported		
Owner:	NEW YORK CITY TRANSIT 370 JAY STREET, ROOM 819 BROOKLYN, NY 11201		
Owner Phone:	(718) 243-4581		
Facility Phone:	(718) 927-7777		
Operator:	NYC TRANSIT		
Emergency Name:	JOSEPHINE BROWN		
Emergency Phone:	(718) 243-4581		
Total Tanks:	10		
Total Capacity:	52650		
Tank ID:	HUD-1		
Capacity (Gal):	4000		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	10/01/1986		
Tank Internal:	NONE		
Tank External:	NONE/PAINTED/ASPHALT COATING		
Tank Containment:	NONE/CUT-OFF WALLS		
Pipe Type:	STEEL/IRON		

HUDSON BUS DEPOT (Continued) **U003074389**

Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/PAINTED/ASPHALT COATING		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Protection:	High Level Alarm, Automatic Shut-Off		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	NEW YORK CITY TRANSIT		
Mailing Address:	370 JAY STREET ROOM 819 BROOKLYN, NY 11201		
Mailing Contact:	JOSEPHINE BROWN		
Mailing Telephone:	(718) 243-4581		
Owner Mark:	First Owner	Expiration Date:	06/05/2002
Certification Flag:	False	Certification Date:	02/23/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-190284	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	TRUCKING/TRANSPORTATION		
Owner Type:	Local Government		
Owner Sub Type:	Not reported		
Owner:	NEW YORK CITY TRANSIT 370 JAY STREET, ROOM 819 BROOKLYN, NY 11201		
Owner Phone:	(718) 243-4581		
Facility Phone:	(718) 927-7777		
Operator:	NYC TRANSIT		
Emergency Name:	JOSEPHINE BROWN		
Emergency Phone:	(718) 243-4581		
Total Tanks:	10		
Total Capacity:	52650		
Tank ID:	HUD-2		
Capacity (Gal):	4000		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	10/01/1986		
Tank Internal:	NONE		

HUDSON BUS DEPOT (Continued) **U003074389**

Tank External:	NONE/PAINTED/ASPHALT COATING		
Tank Containment:	NONE/CUT-OFF WALLS		
Pipe Type:	STEEL/IRON		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/PAINTED/ASPHALT COATING		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Protection:	High Level Alarm, Automatic Shut-Off		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	NEW YORK CITY TRANSIT		
Mailing Address:	370 JAY STREET ROOM 819 BROOKLYN, NY 11201		
Mailing Contact:	JOSEPHINE BROWN		
Mailing Telephone:	(718) 243-4581		
Owner Mark:	First Owner	Expiration Date:	06/05/2002
Certification Flag:	False	Certification Date:	02/23/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-190284	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	TRUCKING/TRANSPORTATION		
Owner Type:	Local Government		
Owner Sub Type:	Not reported		
Owner:	NEW YORK CITY TRANSIT 370 JAY STREET, ROOM 819 BROOKLYN, NY 11201		
Owner Phone:	(718) 243-4581		
Facility Phone:	(718) 927-7777		
Operator:	NYC TRANSIT		
Emergency Name:	JOSEPHINE BROWN		
Emergency Phone:	(718) 243-4581		
Total Tanks:	10		
Total Capacity:	52650		
Tank ID:	HUD-3		
Capacity (Gal):	4000		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		

HUDSON BUS DEPOT (Continued) **U003074389**

Tank Type:	Steel/carbon steel		
Install Date:	10/01/1986		
Tank Internal:	NONE		
Tank External:	NONE/PAINTED/ASPHALT COATING		
Tank Containment:	NONE/CUT-OFF WALLS		
Pipe Type:	STEEL/IRON		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/PAINTED/ASPHALT COATING		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Protection:	High Level Alarm, Automatic Shut-Off		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	NEW YORK CITY TRANSIT		
Mailing Address:	370 JAY STREET ROOM 819 BROOKLYN, NY 11201		
Mailing Contact:	JOSEPHINE BROWN		
Mailing Telephone:	(718) 243-4581		
Owner Mark:	First Owner	Expiration Date:	06/05/2002
Certification Flag:	False	Certification Date:	02/23/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-190284	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	TRUCKING/TRANSPORTATION		
Owner Type:	Local Government		
Owner Sub Type:	Not reported		
Owner:	NEW YORK CITY TRANSIT 370 JAY STREET, ROOM 819 BROOKLYN, NY 11201		
Owner Phone:	(718) 243-4581		
Facility Phone:	(718) 927-7777		
Operator:	NYC TRANSIT		
Emergency Name:	JOSEPHINE BROWN		
Emergency Phone:	(718) 243-4581		
Total Tanks:	10		
Total Capacity:	52650		
Tank ID:	HUD-4		
Capacity (Gal):	4000		

HUDSON BUS DEPOT (Continued) **U003074389**

Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	10/01/1986		
Tank Internal:	NONE		
Tank External:	NONE/PAINTED/ASPHALT COATING		
Tank Containment:	NONE/CUT-OFF WALLS		
Pipe Type:	STEEL/IRON		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/PAINTED/ASPHALT COATING		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Protection:	High Level Alarm, Automatic Shut-Off		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	NEW YORK CITY TRANSIT		
Mailing Address:	370 JAY STREET ROOM 819 BROOKLYN, NY 11201		
Mailing Contact:	JOSEPHINE BROWN		
Mailing Telephone:	(718) 243-4581		
Owner Mark:	First Owner	Expiration Date:	06/05/2002
Certification Flag:	False	Certification Date:	02/23/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-190284	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	TRUCKING/TRANSPORTATION		
Owner Type:	Local Government		
Owner Sub Type:	Not reported		
Owner:	NEW YORK CITY TRANSIT 370 JAY STREET, ROOM 819 BROOKLYN, NY 11201		
Owner Phone:	(718) 243-4581		
Facility Phone:	(718) 927-7777		
Operator:	NYC TRANSIT		
Emergency Name:	JOSEPHINE BROWN		
Emergency Phone:	(718) 243-4581		
Total Tanks:	10		

HUDSON BUS DEPOT (Continued) **U003074389**

Total Capacity:	52650		
Tank ID:	008		
Capacity (Gal):	275		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	LUBE OIL		
Tank Type:	Steel/carbon steel		
Install Date:	11/01/1957		
Tank Internal:	Not reported		
Tank External:	NONE/PAINTED/ASPHALT COATING		
Tank Containment:	NONE		
Pipe Type:	GALVANIZED STEEL		
Pipe Location:	Aboveground		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	NONE		
Overfill Protection:	Not reported		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	02/01/1995	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	NEW YORK CITY TRANSIT		
Mailing Address:	370 JAY STREET ROOM 819 BROOKLYN, NY 11201		
Mailing Contact:	JOSEPHINE BROWN		
Mailing Telephone:	(718) 243-4581		
Owner Mark:	First Owner	Expiration Date:	06/05/2002
Certification Flag:	False	Certification Date:	02/23/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-190284	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	TRUCKING/TRANSPORTATION		
Owner Type:	Local Government		
Owner Sub Type:	Not reported		
Owner:	NEW YORK CITY TRANSIT 370 JAY STREET, ROOM 819 BROOKLYN, NY 11201		
Owner Phone:	(718) 243-4581		
Facility Phone:	(718) 927-7777		
Operator:	NYC TRANSIT		

HUDSON BUS DEPOT (Continued) **U003074389**

Emergency Name:	JOSEPHINE BROWN		
Emergency Phone:	(718) 243-4581		
Total Tanks:	10		
Total Capacity:	52650		
Tank ID:	HUD-7		
Capacity (Gal):	1000		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	LUBE OIL		
Tank Type:	Steel/carbon steel		
Install Date:	06/01/1987		
Tank Internal:	NONE		
Tank External:	NONE/NONE		
Tank Containment:	NONE/NONE		
Pipe Type:	GALVANIZED STEEL		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	04/01/2001	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	NEW YORK CITY TRANSIT		
Mailing Address:	370 JAY STREET ROOM 819 BROOKLYN, NY 11201		
Mailing Contact:	JOSEPHINE BROWN		
Mailing Telephone:	(718) 243-4581		
Owner Mark:	First Owner	Expiration Date:	06/05/2002
Certification Flag:	False	Certification Date:	02/23/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-190284	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	TRUCKING/TRANSPORTATION		
Owner Type:	Local Government		
Owner Sub Type:	Not reported		
Owner:	NEW YORK CITY TRANSIT 370 JAY STREET, ROOM 819 BROOKLYN, NY 11201		

HUDSON BUS DEPOT (Continued) **U003074389**

Owner Phone:	(718) 243-4581		
Facility Phone:	(718) 927-7777		
Operator:	NYC TRANSIT		
Emergency Name:	JOSEPHINE BROWN		
Emergency Phone:	(718) 243-4581		
Total Tanks:	10		
Total Capacity:	52650		
Tank ID:	HUD-8		
Capacity (Gal):	1000		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	USED OIL		
Tank Type:	Steel/carbon steel		
Install Date:	06/01/1987		
Tank Internal:	NONE		
Tank External:	NONE/PAINTED/ASPHALT COATING		
Tank Containment:	NONE/CUT-OFF WALLS		
Pipe Type:	GALVANIZED STEEL		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/PAINTED/ASPHALT COATING		
Leak Detection:	NONE/NONE		
Overfill Protection:	High Level Alarm, Automatic Shut-Off		
Dispenser Method:	Gravity		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	NEW YORK CITY TRANSIT		
Mailing Address:	370 JAY STREET ROOM 819 BROOKLYN, NY 11201		
Mailing Contact:	JOSEPHINE BROWN		
Mailing Telephone:	(718) 243-4581		
Owner Mark:	First Owner	Expiration Date:	06/05/2002
Certification Flag:	False	Certification Date:	02/23/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-190284	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	TRUCKING/TRANSPORTATION		
Owner Type:	Local Government		
Owner Sub Type:	Not reported		

HUDSON BUS DEPOT (Continued) **U003074389**

Owner:	NEW YORK CITY TRANSIT 370 JAY STREET, ROOM 819 BROOKLYN, NY 11201		
Owner Phone:	(718) 243-4581		
Facility Phone:	(718) 927-7777		
Operator:	NYC TRANSIT		
Emergency Name:	JOSEPHINE BROWN		
Emergency Phone:	(718) 243-4581		
Total Tanks:	10		
Total Capacity:	52650		
Tank ID:	HUD-9		
Capacity (Gal):	7500		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	06/01/1987		
Tank Internal:	NONE		
Tank External:	NONE/PAINTED/ASPHALT COATING		
Tank Containment:	NONE/CUT-OFF WALLS		
Pipe Type:	STEEL/IRON		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/PAINTED/ASPHALT COATING		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Protection:	High Level Alarm, Automatic Shut-Off		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	NEW YORK CITY TRANSIT		
Mailing Address:	370 JAY STREET ROOM 819 BROOKLYN, NY 11201		
Mailing Contact:	JOSEPHINE BROWN		
Mailing Telephone:	(718) 243-4581		
Owner Mark:	First Owner	Expiration Date:	06/05/2002
Certification Flag:	False	Certification Date:	02/23/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-190284	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		

HUDSON BUS DEPOT (Continued) **U003074389**

Facility Type:	TRUCKING/TRANSPORTATION		
Owner Type:	Local Government		
Owner Sub Type:	Not reported		
Owner:	NEW YORK CITY TRANSIT 370 JAY STREET, ROOM 819 BROOKLYN, NY 11201		
Owner Phone:	(718) 243-4581		
Facility Phone:	(718) 927-7777		
Operator:	NYC TRANSIT		
Emergency Name:	JOSEPHINE BROWN		
Emergency Phone:	(718) 243-4581		
Total Tanks:	10		
Total Capacity:	52650		
Tank ID:	HUD-10		
Capacity (Gal):	7500		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	06/01/1987		
Tank Internal:	NONE		
Tank External:	NONE/PAINTED/ASPHALT COATING		
Tank Containment:	NONE/CUT-OFF WALLS		
Pipe Type:	STEEL/IRON		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/PAINTED/ASPHALT COATING		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Protection:	High Level Alarm, Automatic Shut-Off		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	NEW YORK CITY TRANSIT		
Mailing Address:	370 JAY STREET ROOM 819 BROOKLYN, NY 11201		
Mailing Contact:	JOSEPHINE BROWN		
Mailing Telephone:	(718) 243-4581		
Owner Mark:	First Owner	Expiration Date:	06/05/2002
Certification Flag:	False	Certification Date:	02/23/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-190284	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201

HUDSON BUS DEPOT (Continued) **U003074389**

Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	TRUCKING/TRANSPORTATION		
Owner Type:	Local Government		
Owner Sub Type:	Not reported		
Owner:	NEW YORK CITY TRANSIT 370 JAY STREET, ROOM 819 BROOKLYN, NY 11201		
Owner Phone:	(718) 243-4581		
Facility Phone:	(718) 927-7777		
Operator:	NYC TRANSIT		
Emergency Name:	JOSEPHINE BROWN		
Emergency Phone:	(718) 243-4581		
Total Tanks:	10		
Total Capacity:	52650		
Tank ID:	HUD-11		
Capacity (Gal):	10000		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	DIESEL		
Tank Type:	Steel/carbon steel		
Install Date:	11/01/1998		
Tank Internal:	NONE		
Tank External:	NONE/PAINTED/ASPHALT COATING		
Tank Containment:	NONE/PREFABRICATED STEEL DIKE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/PAINTED/ASPHALT COATING		
Leak Detection:	NONE/IN-TANK SYSTEM		
Overfill Protection:	High Level Alarm, Catch Basin		
Dispenser Method:	Submersible		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	NEW YORK CITY TRANSIT		
Mailing Address:	370 JAY STREET ROOM 819 BROOKLYN, NY 11201		
Mailing Contact:	JOSEPHINE BROWN		
Mailing Telephone:	(718) 243-4581		
Owner Mark:	First Owner	Expiration Date:	06/05/2002
Certification Flag:	False	Certification Date:	02/23/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

HUDSON BUS DEPOT (Continued) **U003074389**

PBS Number:	2-190284	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	TRUCKING/TRANSPORTATION		
Owner Type:	Local Government		
Owner Sub Type:	Not reported		
Owner:	NEW YORK CITY TRANSIT 370 JAY STREET, ROOM 819 BROOKLYN, NY 11201		
Owner Phone:	(718) 243-4581		
Facility Phone:	(718) 927-7777		
Operator:	NYC TRANSIT		
Emergency Name:	JOSEPHINE BROWN		
Emergency Phone:	(718) 243-4581		
Total Tanks:	10		
Total Capacity:	52650		
Tank ID:	HUD-12		
Capacity (Gal):	10000		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	DIESEL		
Tank Type:	Steel/carbon steel		
Install Date:	11/01/1998		
Tank Internal:	NONE		
Tank External:	NONE/PAINTED/ASPHALT COATING		
Tank Containment:	NONE/PREFABRICATED STEEL DIKE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/PAINTED/ASPHALT COATING		
Leak Detection:	NONE/IN-TANK SYSTEM		
Overfill Protection:	High Level Alarm, Catch Basin		
Dispenser Method:	Submersible		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	NEW YORK CITY TRANSIT		
Mailing Address:	370 JAY STREET ROOM 819 BROOKLYN, NY 11201		
Mailing Contact:	JOSEPHINE BROWN		
Mailing Telephone:	(718) 243-4581		
Owner Mark:	First Owner	Expiration Date:	06/05/2002
Certification Flag:	False	Certification Date:	02/23/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		

HUDSON BUS DEPOT (Continued) **U003074389**

County Code: 62
Region: 2
Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-190284	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported

Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Facility Type: TRUCKING/TRANSPORTATION
Owner Type: Local Government
Owner Sub Type: Not reported
Owner: NEW YORK CITY TRANSIT
370 JAY STREET, ROOM 819
BROOKLYN, NY 11201
Owner Phone: (718) 243-4581
Facility Phone: (718) 927-7777
Operator: NYC TRANSIT
Emergency Name: JOSEPHINE BROWN
Emergency Phone: (718) 243-4581
Total Tanks: 10
Total Capacity: 52650
Tank ID: HUD-13
Capacity (Gal): 650
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND
Product Stored: NOS 5 OR 6 FUEL OIL
Tank Type: Steel/carbon steel
Install Date: 04/01/2001
Tank Internal: NONE
Tank External: PAINTED/ASPHALT COATING
Tank Containment: DOUBLED-WALLED TANK
Pipe Type: GALVANIZED STEEL
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: OTHER
Leak Detection: INTERSTITIAL MONITORING/IN-TANK SYSTEM
Overfill Protection: High Level Alarm, Automatic Shut-Off
Dispenser Method: Suction

Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported

Result of Inspection: Not reported
Mailing Name: NEW YORK CITY TRANSIT
Mailing Address: 370 JAY STREET
ROOM 819
BROOKLYN, NY 11201
Mailing Contact: JOSEPHINE BROWN
Mailing Telephone: (718) 243-4581

Owner Mark:	First Owner	Expiration Date:	06/05/2002
Certification Flag:	False	Certification Date:	02/23/2001
Renew Flag:	False	Renew Date:	/ /

Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: Minor data missing

HUDSON BUS DEPOT (Continued) **U003074389**

Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 62
Region: 2
Fiscal Amount for Registration Fee is Correct: True

Y113 SSW 1/8-1/4 1241 ft. **NYC TRANSIT AUTH/MANHATTA** **LTANKS S100166630**
WEST 15TH ST / 11TH AVE **NY Spills N/A**
NEW YORK CITY, NY

Site 4 of 7 in cluster Y

Relative: Lower

Actual: 6 ft.

SPILLS:
True Date : 11/15/2004
Spill Number: 9614511 | Region of Spill: 2
Spill Date: 03/17/97 | Reported to Dept: / /
ID: 245403
Date Call Received: 03/17/97
Region Close Date : 03/18/97
Material Spilled: #2 FUEL OIL | Amount Spilled: 25 Gal.
Spill Cause: ON LAND | Resource Affected: ON LAND
Water Affected: Not reported | Spill Source: PRIVATE DWELLING
Water Affected: Not reported | Spill Source: PRIVATE DWELLING
Facility Contact: Not reported | Facility Tele: Not reported
Investigator: Not reported | SWIS: Not reported
Caller Name: Not reported | Caller Agency: Not reported
Caller Phone: Not reported | Caller Extension: Not reported
Notifier Name: Not reported | Notifier Agency: Not reported
Notifier Phone: Not reported | Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported | Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : OIL LEAKED ON THE CONCRETE FLOOR. OIL WAS CLEANEDUP BY TA E. JONES.
Remark: VALVE BROKE IN BUILDING.
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 25
Units: Gallons
Unknown Qty Spilled: 25
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
Spill Closed Dt: / /
Spill Notifier: Not reported | PBS Number: Not reported
Cleanup Ceased: / /

NYC TRANSIT AUTH/MANHATTA (Continued) **S100166630**

Last Inspection: / /
Cleanup Meets Std:Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

LTANKS:

Spill Number: 8807870
Region of Spill: 2
Spill Date: 12/28/1988 13:30
Reported to Dept: 12/28/88 15:37
ID: Not reported
Date Call Received:Not reported
Material Spilled: Not reported
Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Spill Source: Other Non Commercial/Industrial
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported

Spill Number: 8807870
Region of Spill: 2
Spill Date: 12/28/88
Reported to Dept: / /
ID: 125760
Date Call Received:12/28/88
Material Spilled: DIESEL
Amount Spilled: -1 lbs.
Region Close Dt: 03/24/89
Resource Affectd: GROUNDWATER
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: 2-190284
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /

NYC TRANSIT AUTH/MANHATTA (Continued) **S100166630**

Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: Not reported
Spill Cause: 7.5K TANK FAILED TEST, COULDN T STABILIZE, WILL EMPTY DOWN TANK TO DO LI NE TEST.

Y114 **NYCTA** **RCRA-SQG** **1000140961**
SSW **W 15TH ST & 11TH AVE** **FINDS** **NYD980642235**
1/8-1/4 **NEW YORK, NY 10011**
1241 ft.

Site 5 of 7 in cluster Y

Relative: Lower

Actual: 6 ft.

RCRAInfo:
Owner: CITY OF NEW YORK
(212) 555-1212
EPA ID: NYD980642235

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

CT MANIFEST

Click this hyperlink while viewing on your computer to access additional CT MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Y115 SSW 1/8-1/4 1260 ft. | **PIER 57- WESTSIDE HIGHWAY** | **LTANKS** | **S101341228**
PIER 57 / 17TH ST | **N/A**
MANHATTAN, NY

Site 6 of 7 in cluster Y

Relative: Lower

Actual: 7 ft.

LTANKS:

Spill Number:	9412040	Region of Spill:	2
Spill Date:	12/09/1994 08:00	Reported to Dept:	12/09/94 09:20
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Failure		
Water Affected:	HUDSON RIVER	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9412040	Region of Spill:	2
Spill Date:	12/09/94	Reported to Dept:	/ /
ID:	209157	Date Call Received:	12/09/94
Material Spilled:	UNKNOWN PETROLEUM	Amount Spilled:	-1 lbs.
Region Close Dt:	12/09/94		
Resource Affectd:	ON LAND		
Spill Cause:	TANK FAILURE		
Water Affected:	HUDSON RIVER	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard:	Not reported
Recommended Penalty:	Not reported
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	Not reported
Spill Record Last Update:	/ /
Is Updated:	Not reported
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	/ /
Date Region Sent Summary to Central Office:	/ /

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

PIER 57- WESTSIDE HIGHWAY (Continued) **S101341228**

Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414
DEC Remarks: SEE 94-07577 SP93876.
Spill Cause: ON GOING - SEE PAGE SITE BREACHED -CONTAINED UNDERGROUND STORAGE TANKS C ONTRACTORS ENROUTE, ALSO USCG GOING OUT.

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116 NNW 1/8-1/4 1260 ft. **NYSDOT - RTE 9A RECONSTRUCTION PROJECT** **RCRA-SQG 1001028937**
RTE 9A BLOCK 686 LOT 29 **FINDS NYR000011692**
NEW YORK, NY 99999

Relative: Lower
Actual: 2 ft.

RCRAInfo:
Owner: ANNESTA CORP
(212) 889-3695
EPA ID: NYR000011692
Contact: DHIRAJ CHANDA
(212) 979-6630

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

AA117 North 1/8-1/4 1261 ft. **DYNAMIC DELIVERY CORP.** **UST U000395484**
202-208 11TH AVENUE **N/A**
NEW YORK, NY 10001

Site 1 of 4 in cluster AA

Relative: Lower
Actual: 7 ft.

PBS UST:
PBS Number: 2-108154 CBS Number: Not reported
SPDES Number: Not reported SWIS ID: 6201
Operator: VACANT
(212) 255-5266
Emergency Contact: THOMAS GAMBINO, JR.
(973) 344-6300
Total Tanks: 0
Owner: DYNAMIC DELIVERY CORP
125 PENNSYLVANIA AVENUE
SOUTH KEARNEY, NJ 07032

DYNAMIC DELIVERY CORP. (Continued) **U000395484**

	(973) 344-6300		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DYNAMIC DELIVERY CORP ATTN: THOMAS GAMBINO, JR. 125 PENNSYLVANIA AVENUE SOUTH KEARNEY, NJ 07032 (973) 344-6300		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	3	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	04/01/1999	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	03/23/1999
Old PBS Number:	Not reported	Expiration Date:	05/07/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-108154	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	VACANT (212) 255-5266		
Emergency Contact:	THOMAS GAMBINO, JR. (973) 344-6300		
Total Tanks:	0		
Owner:	DYNAMIC DELIVERY CORP 125 PENNSYLVANIA AVENUE SOUTH KEARNEY, NJ 07032 (973) 344-6300		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DYNAMIC DELIVERY CORP ATTN: THOMAS GAMBINO, JR.		

DYNAMIC DELIVERY CORP. (Continued) **U000395484**

	125 PENNSYLVANIA AVENUE SOUTH KEARNEY, NJ 07032 (973) 344-6300		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	4	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	04/01/1999	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	03/23/1999
Old PBS Number:	Not reported	Expiration Date:	05/07/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-108154	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	VACANT (212) 255-5266		
Emergency Contact:	THOMAS GAMBINO, JR. (973) 344-6300		
Total Tanks:	0		
Owner:	DYNAMIC DELIVERY CORP 125 PENNSYLVANIA AVENUE SOUTH KEARNEY, NJ 07032 (973) 344-6300		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DYNAMIC DELIVERY CORP ATTN: THOMAS GAMBINO, JR. 125 PENNSYLVANIA AVENUE SOUTH KEARNEY, NJ 07032 (973) 344-6300		
Tank Status:	Closed - In Place		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND		

DYNAMIC DELIVERY CORP. (Continued) **U000395484**

Tank Id:	5	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	04/01/1999	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	03/23/1999
Old PBS Number:	Not reported	Expiration Date:	05/07/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-108154	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	VACANT (212) 255-5266		
Emergency Contact:	THOMAS GAMBINO, JR. (973) 344-6300		
Total Tanks:	0		
Owner:	DYNAMIC DELIVERY CORP 125 PENNSYLVANIA AVENUE SOUTH KEARNEY, NJ 07032 (973) 344-6300		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DYNAMIC DELIVERY CORP ATTN: THOMAS GAMBINO, JR. 125 PENNSYLVANIA AVENUE SOUTH KEARNEY, NJ 07032 (973) 344-6300		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	6	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		

DYNAMIC DELIVERY CORP. (Continued) **U000395484**

Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	04/01/1999	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	03/23/1999
Old PBS Number:	Not reported	Expiration Date:	05/07/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-108154	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	VACANT (212) 255-5266		
Emergency Contact:	THOMAS GAMBINO, JR. (973) 344-6300		
Total Tanks:	0		
Owner:	DYNAMIC DELIVERY CORP 125 PENNSYLVANIA AVENUE SOUTH KEARNEY, NJ 07032 (973) 344-6300		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DYNAMIC DELIVERY CORP ATTN: THOMAS GAMBINO, JR. 125 PENNSYLVANIA AVENUE SOUTH KEARNEY, NJ 07032 (973) 344-6300		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	7	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	04/01/1999	Test Method:	Not reported

DYNAMIC DELIVERY CORP. (Continued) **U000395484**

Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	03/23/1999
Old PBS Number:	Not reported	Expiration Date:	05/07/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	TRUCKING/TRANSPORTATION		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
3 additional NY PBS record(s) in the EDR Site Report.

AA118 **USPS - NEW YORK VMF** **RCRA-SQG** **1000349049**
North **201 11TH AVE** **FINDS** **NY7355825210**
1/8-1/4 **NEW YORK, NY 10199**
1261 ft.

Site 2 of 4 in cluster AA

Relative:
Lower

Actual:
7 ft.

RCRAInfo:

Owner:	US POSTAL SERVICE (212) 555-1212
EPA ID:	NY7355825210
Contact:	RICHARD PAPESCA (212) 330-4912
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

Violation Status: Violations exist

Regulation Violated:	40 cfr 280
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/15/1999
Actual Date Achieved Compliance:	09/15/1999

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19990915

NY MANIFEST

Click this hyperlink while viewing on your computer to access
additional NY MANIFEST detail in the EDR Site Report.

USPS - NEW YORK VMF (Continued) **1000349049**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

AA119 North 1/8-1/4 1261 ft. | **U.S. POSTAL SERVICE - MANHATTAN VMF** | **UST** | **U000409786**
201 11TH AVENUE | **CBS AST** | **N/A**
NEW YORK, NY 10199 | **AST**

Site 3 of 4 in cluster AA

Relative: Lower

Actual: 7 ft.

CBS AST:

CBS Number:	2-000384	Telephone:	(212) 330-4912
Owner:	U.S. POSTAL SERVICE 201 11TH AVE. NEW YORK, NY 10199 (212) 330-4912		
Facility Status:	Active		
Total Tanks	1		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	06/00		
Capacity (Gal):	500		
Tank Type:	Steel/carbon steel		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	Painted/Asphalt Coating		
Intrnl Protection:	None		
Tank Containment:	Double-Walled		
Pipe Type:	GALVANIZED STEEL	Pipe Location:	Aboveground
Pipe Internal:	None		
Pipe External:	None/None		
Pipe Containment:	None/None	Haz Percent:	100
Leak Detection:	None/None		
Overfill Protection:	Not reported		
Chemical:	Ethylene glycol		
Tank Closed:	Not reported		
PBS Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	107211
SPDES Number:	Not reported	ICS Number:	Not reported
Facility Type:	Other		
Operator:	VMF MANAGER	Facility Town:	NEW YORK CITY
Emrgncy Contact:	VMF MANAGER	Emrgncy Phone:	(212) 330-4912
Certified Date:	09/10/2001	Expiration Date:	09/10/2003
Owner type:	Federal Government		
Owner Sub Type:	Not reported		
Mail Name:	U.S. POSTAL SERVICE		
Mail Contact:	VMF MANAGER 201 11TH AVE NEW YORK, NY 10199		
Mail Phone:	(212) 330-4912		
Tank Secret:	False	Date Entered:	09/04/2001 08:46:47
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	Not reported	Date Expired:	Not reported
Is it There:	False	Is Updated:	False
Owner Status:	F		

Certificate Needs to be Printed: False

U.S. POSTAL SERVICE - MANHATTAN VMF (Continued) **U000409786**

Fiscal Amt for Registration Fee Correct: True
Renewal Has Been Printed for Facility: False
Total Capacity of All Active Tanks(gal): 500
Unique Tank Id Number: 021
Date Pre-Printed Renewal App Form Was Last Printed: / /

PBS UST:

PBS Number:	2-452645	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	VMF MANAGER (212) 330-4912		
Emergency Contact:	VMF MANAGER (212) 330-4912		
Total Tanks:	20		
Owner:	U.S. POSTAL SERVICE - VMF 201 11TH AVENUE NEW YORK, NY 10199 (212) 330-4912		
Owner Type:	Federal Government		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	U.S. POSTAL SERVICE ATTN: VMF MANAGER 201 11TH AVENUE NEW YORK, NY 10199 (212) 330-4912		
Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	02/01/1987
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	DIESEL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	FIBERGLASS		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING/IN-TANK SYSTEM		
Overfill Prot:	Automatic Shut-Off, Catch Basin	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1999	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	64990	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	08/23/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

U.S. POSTAL SERVICE - MANHATTAN VMF (Continued) **U000409786**

PBS Number:	2-452645	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	VMF MANAGER (212) 330-4912		
Emergency Contact:	VMF MANAGER (212) 330-4912		
Total Tanks:	20		
Owner:	U.S. POSTAL SERVICE - VMF 201 11TH AVENUE NEW YORK, NY 10199 (212) 330-4912		
Owner Type:	Federal Government		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	U.S. POSTAL SERVICE ATTN: VMF MANAGER 201 11TH AVENUE NEW YORK, NY 10199 (212) 330-4912		
Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	02/01/1987
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	DIESEL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	FIBERGLASS		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING/IN-TANK SYSTEM		
Overfill Prot:	Automatic Shut-Off, Catch Basin	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1999	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	64990	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	08/23/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-452645	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	VMF MANAGER (212) 330-4912		
Emergency Contact:	VMF MANAGER		

U.S. POSTAL SERVICE - MANHATTAN VMF (Continued) **U000409786**

	(212) 330-4912		
Total Tanks:	20		
Owner:	U.S. POSTAL SERVICE - VMF 201 11TH AVENUE NEW YORK, NY 10199 (212) 330-4912		
Owner Type:	Federal Government		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	U.S. POSTAL SERVICE ATTN: VMF MANAGER 201 11TH AVENUE NEW YORK, NY 10199 (212) 330-4912		
Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	02/01/1987
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	DIESEL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	FIBERGLASS		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING/IN-TANK SYSTEM		
Overfill Prot:	Automatic Shut-Off, Catch Basin	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1999	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	64990	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	08/23/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-452645	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	VMF MANAGER (212) 330-4912		
Emergency Contact:	VMF MANAGER (212) 330-4912		
Total Tanks:	20		
Owner:	U.S. POSTAL SERVICE - VMF 201 11TH AVENUE NEW YORK, NY 10199 (212) 330-4912		

U.S. POSTAL SERVICE - MANHATTAN VMF (Continued) **U000409786**

Owner Type:	Federal Government		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	U.S. POSTAL SERVICE ATTN: VMF MANAGER 201 11TH AVENUE NEW YORK, NY 10199 (212) 330-4912		
Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	02/01/1987
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	DIESEL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	FIBERGLASS		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING/IN-TANK SYSTEM		
Overfill Prot:	Automatic Shut-Off, Catch Basin	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1999	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	64990	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	08/23/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-452645	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	VMF MANAGER (212) 330-4912		
Emergency Contact:	VMF MANAGER (212) 330-4912		
Total Tanks:	20		
Owner:	U.S. POSTAL SERVICE - VMF 201 11TH AVENUE NEW YORK, NY 10199 (212) 330-4912		
Owner Type:	Federal Government		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	U.S. POSTAL SERVICE ATTN: VMF MANAGER 201 11TH AVENUE		

U.S. POSTAL SERVICE - MANHATTAN VMF (Continued) **U000409786**

NEW YORK, NY 10199
(212) 330-4912

Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	02/01/1987
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	DIESEL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	FIBERGLASS		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING/IN-TANK SYSTEM		
Overfill Prot:	Automatic Shut-Off, Catch Basin	Dispenser:	Submersible
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1999	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	64990	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	08/23/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
28 additional NY PBS record(s) in the EDR Site Report.

CBS AST:

CBS Number:	2-000384	Telephone:	(212) 330-4912
Owner:	U.S. POSTAL SERVICE 201 11TH AVE. NEW YORK, NY 10199 (212) 330-4912		
Facility Status:	Active		
Total Tanks	1		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	06/00		
Capacity (Gal):	500		
Tank Type:	Steel/carbon steel		
Substance:	Single Hazardous Substance on DEC List		
Extrnl Protection:	Painted/Asphalt Coating		
Intrnl Protection:	None		
Tank Containment:	Double-Walled		
Pipe Type:	GALVANIZED STEEL	Pipe Location:	Aboveground

U.S. POSTAL SERVICE - MANHATTAN VMF (Continued) **U000409786**

Pipe Internal:	None		
Pipe External:	None/None		
Pipe Containment:	None/None	Haz Percent:	100
Leak Detection:	None/None		
Overfill Protection:	Not reported		
Chemical:	Ethylene glycol		
Tank Closed:	Not reported		
PBS Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported		
MOSF Number:	Not reported	CAS Number:	107211
SPDES Number:	Not reported	ICS Number:	Not reported
Facility Type:	Other		
Operator:	VMF MANAGER	Facility Town:	NEW YORK CITY
Emrgncy Contact:	VMF MANAGER	Emrgncy Phone:	(212) 330-4912
Certified Date:	09/10/2001	Expiration Date:	09/10/2003
Owner type:	Federal Government		
Owner Sub Type:	Not reported		
Mail Name:	U.S. POSTAL SERVICE		
Mail Contact:	VMF MANAGER 201 11TH AVE NEW YORK, NY 10199		
Mail Phone:	(212) 330-4912		
Tank Secret:	False	Date Entered:	09/04/2001 08:46:47
Last Test:	Not reported	Due Date:	Not reported
Pipe Flag:	False	Owner Mark:	1
Renew Date:	Not reported	Date Expired:	Not reported
Is it There:	False	Is Updated:	False
Owner Status:	F		

Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	False
Total Capacity of All Active Tanks(gal):	500
Unique Tank Id Number:	021
Date Pre-Printed Renewal App Form Was Last Printed:	/ /

PBS AST:

PBS Number:	2-452645	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Federal Government		
Owner Sub Type:	Not reported		
Owner:	U.S. POSTAL SERVICE - VMF 201 11TH AVENUE NEW YORK, NY 10199		
Owner Phone:	(212) 330-4912		
Facility Phone:	(212) 330-4912		
Operator:	VMF MANAGER		
Emergency Name:	VMF MANAGER		
Emergency Phone:	(212) 330-4912		
Total Tanks:	20		
Total Capacity:	64990		
Tank ID:	017		
Capacity (Gal):	280		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		

U.S. POSTAL SERVICE - MANHATTAN VMF (Continued) **U000409786**

Product Stored:	LUBE OIL		
Tank Type:	Steel/carbon steel		
Install Date:	06/01/2000		
Tank Internal:	NONE		
Tank External:	PAINTED/ASPHALT COATING		
Tank Containment:	DOUBLED-WALLED TANK		
Pipe Type:	GALVANIZED STEEL		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Submersible		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	U.S. POSTAL SERVICE		
Mailing Address:	201 11TH AVENUE NEW YORK, NY 10199		
Mailing Contact:	VMF MANAGER		
Mailing Telephone:	(212) 330-4912		
Owner Mark:	First Owner	Expiration Date:	08/23/2003
Certification Flag:	False	Certification Date:	09/14/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	Minor data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-452645	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Federal Government		
Owner Sub Type:	Not reported		
Owner:	U.S. POSTAL SERVICE - VMF 201 11TH AVENUE NEW YORK, NY 10199		
Owner Phone:	(212) 330-4912		
Facility Phone:	(212) 330-4912		
Operator:	VMF MANAGER		
Emergency Name:	VMF MANAGER		
Emergency Phone:	(212) 330-4912		
Total Tanks:	20		
Total Capacity:	64990		
Tank ID:	018		
Capacity (Gal):	280		

U.S. POSTAL SERVICE - MANHATTAN VMF (Continued) **U000409786**

Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	LUBE OIL		
Tank Type:	Steel/carbon steel		
Install Date:	06/01/2000		
Tank Internal:	NONE		
Tank External:	PAINTED/ASPHALT COATING		
Tank Containment:	DOUBLED-WALLED TANK		
Pipe Type:	GALVANIZED STEEL		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Submersible		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	U.S. POSTAL SERVICE		
Mailing Address:	201 11TH AVENUE NEW YORK, NY 10199		
Mailing Contact:	VMF MANAGER		
Mailing Telephone:	(212) 330-4912		
Owner Mark:	First Owner	Expiration Date:	08/23/2003
Certification Flag:	False	Certification Date:	09/14/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	Minor data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-452645	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Federal Government		
Owner Sub Type:	Not reported		
Owner:	U.S. POSTAL SERVICE - VMF 201 11TH AVENUE NEW YORK, NY 10199		
Owner Phone:	(212) 330-4912		
Facility Phone:	(212) 330-4912		
Operator:	VMF MANAGER		
Emergency Name:	VMF MANAGER		
Emergency Phone:	(212) 330-4912		
Total Tanks:	20		
Total Capacity:	64990		

U.S. POSTAL SERVICE - MANHATTAN VMF (Continued) **U000409786**

Tank ID:	019		
Capacity (Gal):	280		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	OTHER		
Tank Type:	Steel/carbon steel		
Install Date:	06/01/2000		
Tank Internal:	NONE		
Tank External:	PAINTED/ASPHALT COATING		
Tank Containment:	DOUBLED-WALLED TANK		
Pipe Type:	GALVANIZED STEEL		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Submersible		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	U.S. POSTAL SERVICE		
Mailing Address:	201 11TH AVENUE NEW YORK, NY 10199		
Mailing Contact:	VMF MANAGER		
Mailing Telephone:	(212) 330-4912		
Owner Mark:	First Owner	Expiration Date:	08/23/2003
Certification Flag:	False	Certification Date:	09/14/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	Minor data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-452645	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6201
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Federal Government		
Owner Sub Type:	Not reported		
Owner:	U.S. POSTAL SERVICE - VMF 201 11TH AVENUE NEW YORK, NY 10199		
Owner Phone:	(212) 330-4912		
Facility Phone:	(212) 330-4912		
Operator:	VMF MANAGER		
Emergency Name:	VMF MANAGER		
Emergency Phone:	(212) 330-4912		

U.S. POSTAL SERVICE - MANHATTAN VMF (Continued) **U000409786**

Total Tanks:	20		
Total Capacity:	64990		
Tank ID:	020		
Capacity (Gal):	150		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	LUBE OIL		
Tank Type:	Steel/carbon steel		
Install Date:	06/01/2000		
Tank Internal:	NONE		
Tank External:	PAINTED/ASPHALT COATING		
Tank Containment:	DOUBLED-WALLED TANK		
Pipe Type:	GALVANIZED STEEL		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Gravity		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	U.S. POSTAL SERVICE		
Mailing Address:	201 11TH AVENUE NEW YORK, NY 10199		
Mailing Contact:	VMF MANAGER		
Mailing Telephone:	(212) 330-4912		
Owner Mark:	First Owner	Expiration Date:	08/23/2003
Certification Flag:	False	Certification Date:	09/14/2001
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	Minor data missing		
Tank Screen:	Minor data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

AA120 **201 11TH AVE/MANH/USPS** **LTANKS** **S100167779**
North **201 11TH AVENUE** **NY Spills** **N/A**
1/8-1/4 **NEW YORK CITY, NY**
1261 ft.

Site 4 of 4 in cluster AA

Relative:
Lower

Actual:
7 ft.

SPILLS:

True Date :	11/15/2004		
Spill Number:	9209596	Region of Spill:	2
Spill Date:	11/18/92	Reported to Dept:	/ /
ID:	176645		
Date Call Received:	11/18/92		
Region Close Date :	11/18/92		
Material Spilled:	#2 FUEL OIL	Amount Spilled:	100 Gal.
Spill Cause:	ON LAND	Resource Affected:	ON LAND
Water Affected:	Not reported	Spill Source:	OTHER NON COMM/INSTITUTIONAL

201 11TH AVE/MANH/USPS (Continued) **S100167779**

Water Affected: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: 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
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 100
Units: Gallons
Unknown Qty Spilled: 100
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

LTANKS:
Spill Number: 8908706
Region of Spill: 2
Spill Date: 11/27/1989 14:00
Reported to Dept: 12/04/89 12:01
ID: Not reported
Date Call Received:Not reported
Material Spilled: Not reported
Amount Spilled: Not reported
Region Close Dt: Not reported

201 11TH AVE/MANH/USPS (Continued) **S100167779**

Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported
Spill Source: Other Non Commercial/Industrial
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 9005469
Spill Date: 08/17/1990 10:30
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Region of Spill: 2
Reported to Dept: 08/17/90 11:05
Date Call Received: Not reported
Amount Spilled: Not reported

Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported
Spill Source: Other Non Commercial/Industrial
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 8908706
Spill Date: 11/27/89
ID: 136809
Material Spilled: GASOLINE
Region Close Dt: 03/04/03
Region of Spill: 2
Reported to Dept: / /
Date Call Received: 12/04/89
Amount Spilled: -1 lbs.

Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00

201 11TH AVE/MANH/USPS (Continued) **S100167779**

Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: 4K TANK, SYSTEMS TEST, FAILED VPLT WITH A LEAK RATE OF -.244GPH, WILL EX CAVATE, ISOLATE RETEST.

Spill Number: 9005469
Spill Date: 08/17/90
ID: 146069
Material Spilled: #2 FUEL OIL
Region Close Dt: 05/11/90
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 08/17/90
Amount Spilled: -1 lbs.

Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

201 11TH AVE/MANH/USPS (Continued) **S100167779**

Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: GASKET ON TANK IS LEAKING,SMALL AMOUNT OF CONTAMINATED SOIL, WILL EXPOSE REPAIR TANK CLEAN UP, TYREE BROS TO DO WORK.

AB121 **V0600** **RCRA-SQG** **1007206777**
SSW **81 10TH AVENUE** **NYP004030193**
1/8-1/4 **NEW YORK CITY, NY 10011**
1264 ft.

Site 1 of 2 in cluster AB

Relative: Equal

Actual: 10 ft.

RCRAInfo:
Contact: ANTHONY DRUMMINGS
(212) 460-3770
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

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122 **LONDON TERRACE GARDENS** **UST** **U000405442**
East **415-55 WEST 23RD STREET** **N/A**
1/8-1/4 **NEW YORK CITY, NY 10011**
1267 ft.

Relative: Higher

Actual: 18 ft.

PBS UST:
PBS Number: 2-364819
CBS Number: Not reported
SPDES Number: Not reported
SWIS ID: 6201
Operator: ANDREW HOFFMAN
(212) 243-7000
Emergency Contact: GEORGE MONDRAGON
(212) 633-9860
Total Tanks: 2
Owner: LONDON TERRACE GARDENS
435 WEST 23RD STREET
NEW YORK CITY, NY 10011
(212) 243-7000
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: LONDON TERRACE GARDENS
ATTN: ANDREW HOFFMAN

LONDON TERRACE GARDENS (Continued) **U000405442**

435 WEST 23RD STREET
NEW YORK CITY, NY 10011
(212) 243-7000

Tank Status:	In Service		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1929
Tank Type:	Steel/carbon steel	Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/14/1997
Old PBS Number:	Not reported	Expiration Date:	10/15/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-364819	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	ANDREW HOFFMAN (212) 243-7000		
Emergency Contact:	GEORGE MONDRAGON (212) 633-9860		
Total Tanks:	2		
Owner:	LONDON TERRACE GARDENS 435 WEST 23RD STREET NEW YORK CITY, NY 10011 (212) 243-7000		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LONDON TERRACE GARDENS ATTN: ANDREW HOFFMAN 435 WEST 23RD STREET NEW YORK CITY, NY 10011 (212) 243-7000		
Tank Status:	In Service		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		

LONDON TERRACE GARDENS (Continued) **U000405442**

Tank Id:	002	Install Date:	12/01/1929
Tank Type:	Steel/carbon steel	Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/14/1997
Old PBS Number:	Not reported	Expiration Date:	10/15/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

AB123 **11 ELEVENTH AVENUE** **LTANKS** **S102618890**
SSW **11 ELEVENTH AVENUE** **N/A**
1/8-1/4 **MANHATTAN, NY**
1300 ft.

Site 2 of 2 in cluster AB

Relative: Equal

Actual: 10 ft.

LTANKS:

Spill Number:	9405274	Region of Spill:	2
Spill Date:	07/18/1994 12:50	Reported to Dept:	07/18/94 12:54
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9405274	Region of Spill:	2
Spill Date:	07/18/94	Reported to Dept:	/ /
ID:	202387	Date Call Received:	07/18/94
Material Spilled:	DIESEL	Amount Spilled:	-1 lbs.
Region Close Dt:	12/17/96		
Resource Affectd:	ON LAND		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported

11 ELEVENTH AVENUE (Continued) **S102618890**

Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: transfered from Hale to Tibbe on 12/27/00. refer to 91-06100. piping r epaired, investigation/tremediation ongoing.
Spill Cause: BROKEN VENT-URS WILL UNCOVER TANK. ISOLATE-RETEST

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124 534-548 WEST 25TH STREET **UST U003758118**
NNE 534-548 WEST 25TH STREET **N/A**
1/8-1/4 NEW YORK, NY 10001
1307 ft.

Relative: Higher
Actual: 12 ft.

PBS UST:
PBS Number: 2-604824
CBS Number: Not reported
SPDES Number: Not reported
SWIS ID: 6201
Operator: NONE
(212) 490-1130
Emergency Contact: SAM WEINBERG
(212) 490-1130
Total Tanks: 0
Owner: WENAT REALTY ASSOCIATES C/O S. WEINBERG

534-548 WEST 25TH STREET (Continued) **U003758118**

	122 E. 42ND ST. - 46TH FLOOR NEW YORK, NY 10168 (212) 490-1130		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	WENAT REALTY ASSOCIATES ATTN: S. WEINBERG 122 E. 42ND STREET 46TH FLOOR NEW YORK, NY 10168 (212) 490-1130		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	Not reported		
Leak Detection:	Not reported		
Overfill Prot:	Not reported	Dispenser:	Not reported
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	08/01/2000	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/17/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-604824	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	NONE (212) 490-1130		
Emergency Contact:	SAM WEINBERG (212) 490-1130		
Total Tanks:	0		
Owner:	WENAT REALTY ASSOCIATES C/O S. WEINBERG 122 E. 42ND ST. - 46TH FLOOR NEW YORK, NY 10168 (212) 490-1130		
Owner Type:	Not reported		
Owner Mark:	First Owner		

534-548 WEST 25TH STREET (Continued) **U003758118**

Owner Subtype:	Not reported		
Mailing Address:	WENAT REALTY ASSOCIATES ATTN: S. WEINBERG 122 E. 42ND STREET 46TH FLOOR NEW YORK, NY 10168 (212) 490-1130		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	Not reported		
Leak Detection:	Not reported		
Overfill Prot:	Not reported	Dispenser:	Not reported
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	08/01/2000	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/17/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-604824	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	NONE (212) 490-1130		
Emergency Contact:	SAM WEINBERG (212) 490-1130		
Total Tanks:	0		
Owner:	WENAT REALTY ASSOCIATES C/O S. WEINBERG 122 E. 42ND ST. - 46TH FLOOR NEW YORK, NY 10168 (212) 490-1130		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	WENAT REALTY ASSOCIATES ATTN: S. WEINBERG 122 E. 42ND STREET 46TH FLOOR		

534-548 WEST 25TH STREET (Continued) **U003758118**

	NEW YORK, NY 10168 (212) 490-1130		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	Not reported		
Leak Detection:	Not reported		
Overfill Prot:	Not reported	Dispenser:	Not reported
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	08/01/2000	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/17/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-604824	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	NONE (212) 490-1130		
Emergency Contact:	SAM WEINBERG (212) 490-1130		
Total Tanks:	0		
Owner:	WENAT REALTY ASSOCIATES C/O S. WEINBERG 122 E. 42ND ST. - 46TH FLOOR NEW YORK, NY 10168 (212) 490-1130		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	WENAT REALTY ASSOCIATES ATTN: S. WEINBERG 122 E. 42ND STREET 46TH FLOOR NEW YORK, NY 10168 (212) 490-1130		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		

534-548 WEST 25TH STREET (Continued) **U003758118**

Tank Id:	004	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	Not reported		
Leak Detection:	Not reported		
Overfill Prot:	Not reported	Dispenser:	Not reported
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	08/01/2000	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/17/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-604824	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	NONE (212) 490-1130		
Emergency Contact:	SAM WEINBERG (212) 490-1130		
Total Tanks:	0		
Owner:	WENAT REALTY ASSOCIATES C/O S. WEINBERG 122 E. 42ND ST. - 46TH FLOOR NEW YORK, NY 10168 (212) 490-1130		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	WENAT REALTY ASSOCIATES ATTN: S. WEINBERG 122 E. 42ND STREET 46TH FLOOR NEW YORK, NY 10168 (212) 490-1130		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		

534-548 WEST 25TH STREET (Continued) **U003758118**

Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	Not reported		
Leak Detection:	Not reported		
Overfill Prot:	Not reported	Dispenser:	Not reported
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	08/01/2000	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/17/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Y125 **19 11TH AVE/NYCTA-HUDSON** **LTANKS** **S100177042**
SSW **19 11TH AVE** **N/A**
1/8-1/4 **MANHATTAN, NY**
1307 ft.

Site 7 of 7 in cluster Y

Relative:
Lower

Actual:
7 ft.

LTANKS:

Spill Number:	9106100	Region of Spill:	2
Spill Date:	09/06/1991 14:00	Reported to Dept:	09/06/91 14:21
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9106100	Region of Spill:	2
Spill Date:	09/06/91	Reported to Dept:	/ /
ID:	159825	Date Call Received:	09/06/91
Material Spilled:	DIESEL	Amount Spilled:	-1 lbs.
Region Close Dt:	Not closed		
Resource Affectd:	ON LAND		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER NON COMM/INSTITUTIONAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		

19 11TH AVE/NYCTA-HUDSON (Continued) **S100177042**

Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: 11/18/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/18/94. transfered from Hale to Tibbe. see also 94-05274 98-05205. Piping repaired, spill investigation, investigation/remediation ongoing.
Spill Cause: 75K TANK, PETRO; GROSS LEAK. SYSTEM

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126 NE 1/8-1/4 1318 ft. **511 WEST 25TH STREET**
511 W 25TH ST
NY, NY 10001

UST **U000403297**
N/A

Relative: Higher
Actual: 13 ft.

PBS UST:
PBS Number: 2-290556 CBS Number: Not reported
SPDES Number: Not reported SWIS ID: 6201
Operator: MR JACK FUCHS
(212) 989-9668
Emergency Contact: EAST COAST
(800) 745-9155
Total Tanks: 1
Owner: WHITEHALL BUSINESS ARCHIVES
40 WORTH ST
NY, NY 10013
(212) 587-0500
Owner Type: Corporate/Commercial

511 WEST 25TH STREET (Continued) **U000403297**

Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	WHITEHALL BUSINESS ARCHIVES 40 WORTH ST NY, NY 10013 (212) 587-0500		
Tank Status:	In Service		
Capacity (gals):	3000		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	3000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/02/1997
Old PBS Number:	Not reported	Expiration Date:	09/19/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

AC127 **501 W 14TH ST/SUNOCO** **LTANKS** **S100153686**
SSW **501 W 14TH ST** **N/A**
1/4-1/2 **NEW YORK, NY**
1533 ft.

Site 1 of 2 in cluster AC

Relative:
Lower

Actual:
9 ft.

LTANKS:

Spill Number:	9103563	Region of Spill:	2
Spill Date:	07/01/1991 13:30	Reported to Dept:	07/01/91 14:33
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Gas Station
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9103563	Region of Spill:	2
Spill Date:	07/01/91	Reported to Dept:	/ /
ID:	157281	Date Call Received:	07/01/91

501 W 14TH ST/SUNOCO (Continued) **S100153686**

Material Spilled: DIESEL
Amount Spilled: -1 lbs.
Region Close Dt: Not closed
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Spill Source: GASOLINE STATION
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: 2-204420
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: Not reported
Spill Cause: 4K TANK, PETROTITE .6GPH, SYSTEM TEST; WILL EXCAVATE, ISOLATE RETEST

AC128 **505 W 14 ST** **LTANKS** **S100145249**
SSW **505 W 14 ST / 10 AVE** **N/A**
1/4-1/2 **NYC, NY**
1543 ft.

Site 2 of 2 in cluster AC

Relative: Lower

Actual: 9 ft.

LTANKS:

Spill Number:	8806146	Region of Spill:	2
Spill Date:	10/20/1988 15:30	Reported to Dept:	10/20/88 16:04
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	Groundwater		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Gas Station
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

AD129 **536 WEST 26TH STREET** **LTANKS** **S100494628**
NNE **536 WEST 26TH STREET** **N/A**
1/4-1/2 **MANHATTAN, NY**
1578 ft.

Site 1 of 2 in cluster AD

Relative: Higher

Actual: 13 ft.

LTANKS:

Spill Number:	9211726	Region of Spill:	2
Spill Date:	01/13/1993 10:25	Reported to Dept:	01/13/93 10:45
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9211726	Region of Spill:	2
Spill Date:	01/13/93	Reported to Dept:	/ /
ID:	178761	Date Call Received:	01/13/93
Material Spilled:	GASOLINE	Amount Spilled:	-1 lbs.
Region Close Dt:	01/21/93		
Resource Affectd:	ON LAND		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		
Cleanup Meets Standard:	Not reported		
Recommended Penalty:	Not reported		

536 WEST 26TH STREET (Continued) **S100494628**

Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: 03/27/95: REPAIRED FILL RETESTED AND PASSED.
Spill Cause: EIR

AD130 **PENSKE TRUCK LEASING CO L P** **RCRA-SQG** **1000382741**
NNE **536 W 26TH ST** **FINDS** **NYD101106565**
1/4-1/2 **NEW YORK CITY, NY 10001** **LTANKS**
1578 ft.

Site 2 of 2 in cluster AD

Relative:
Higher

Actual:
13 ft.

RCRAInfo:
Owner: 293 10TH AVE CORP
(212) 555-1212
EPA ID: NYD101106565

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

PENSKE TRUCK LEASING CO L P (Continued) **1000382741**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

LTANKS:

Spill Number:	9801954	Region of Spill:	2
Spill Date:	05/14/1998 14:00	Reported to Dept:	05/14/98 16:24
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Overfill		
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9801954	Region of Spill:	2
Spill Date:	05/14/98	Reported to Dept:	/ /
ID:	260142	Date Call Received:	05/14/98
Material Spilled:	GASOLINE	Amount Spilled:	Unknown Gal.
Region Close Dt:	Not closed		
Resource Affectd:	ON LAND		
Spill Cause:	TANK OVERFILL		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

PENSKE TRUCK LEASING CO L P (Continued) **1000382741**

Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: CALLER RESPONDED TO ABOVE LOCATION TO REMOVE FUEL TANKS. UPON REMOVAL S OME SOIL CONTAMINATION DISCOVERED. TANKS REMOVED AND SOIL EXCAVATION IN PROGRESS. NO CALL BACK REQUESTED.

---

131 SW 1/4-1/2 1658 ft. **PIER 57 & HUDSON DEPOT** **LTANKS** **S105053992**
15TH ST / ROUTE 9A **N/A**
MANHATTAN, NY

Relative: Lower

Actual: 0 ft.

LTANKS:
Spill Number: 9407577 Region of Spill: 2
Spill Date: 09/07/1994 08:10 Reported to Dept: 09/07/94 08:38
ID: Not reported Date Call Received: Not reported
Material Spilled: Not reported Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: Surface Water
Spill Cause: Tank Failure
Water Affected: HUDSON RIVER Spill Source: Unknown
Tank Number: Not reported Tank Size: Not reported
Test Method: Not reported Leak Rate: Not reported

Spill Number: 9407577 Region of Spill: 2
Spill Date: 09/07/94 Reported to Dept: / /
ID: 204698 Date Call Received: 09/07/94
Material Spilled: #6 FUEL OIL Amount Spilled: Unknown Gal.
DIESEL Unknown Gal.
Region Close Dt: 05/07/98
Resource Affectd: SURFACE WATER
Spill Cause: TANK FAILURE
Water Affected: HUDSON RIVER Spill Source: UNKNOWN
Facility Contact: Not reported Facility Tele: Not reported
Investigator: Not reported SWIS: Not reported
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported

PIER 57 & HUDSON DEPOT (Continued) **S105053992**

Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: SEE PIN FILE. SEE ALSO 94-12040.
Spill Cause: COMING FROM TRANSIT AUTHORIT-DEPLOY BOOM IF NECESSARY-RESPONSE ENTER SAY S TRANSIT AUTHORITY IS THE SPILLER.

---

132 NE 1/4-1/2 1671 ft. **DEL. SPILL /W.28ST.&10AV** **LTANKS** **S102671130**
W.26ST / 10 AVE. **N/A**
NEW YORK CITY, NY

Relative: Higher
Actual: 17 ft.

LTANKS:
Spill Number: 8605584
Spill Date: 12/04/1986 01:42
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: NONE
Tank Number: Not reported

Region of Spill: 2
Reported to Dept: 12/04/86 02:39
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Tank Size: Not reported

DEL. SPILL /W.28ST.&10AV (Continued) **S102671130**

Test Method: Not reported
Leak Rate: Not reported

Spill Number: 8605584
Spill Date: 12/04/86
ID: 104477
Material Spilled: GASOLINE
Region Close Dt: 12/04/86
Resource Affectd: ON LAND
Spill Cause: TANK OVERFILL
Water Affected: NONE
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 12/04/86
Amount Spilled: 400 lbs.
Spill Source: OTHER COMM/INDUSTRIAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
- PBS Number: Not reported
- Tank Number: Not reported
- Test Method: Not reported
- Capacity of Failed Tank: Not reported
- Leak Rate Failed Tank: Not reported
- Gross Leak Rate: Not reported

Material:
- Material Class Type: 1
- Quantity Spilled: 400
- Units: Not reported
- Unknown Qty Spilled: 400
- Quantity Recovered: 0
- Unknown Qty Recovered: False
- Material: GASOLINE
- Class Type: Petroleum
- Chem Abstract Service Number: GASOLINE
- Last Date: 09/29/1994
- Num Times Material Entry In File: 21329

DEC Remarks: Not reported
Spill Cause: NYCFD CONTAINED SPILL WITH SORBENT PADS. UNKNOWN NOTIFIER.

AE133 **601 W. 26TH ST** **LTANKS** **S101341240**
North **601 W. 26TH ST** **N/A**
1/4-1/2 **NAHATTAN, NY**
1683 ft.

Site 1 of 2 in cluster AE

Relative:
Lower

Actual:
8 ft.

LTANKS:

Spill Number: 9412158
Spill Date: 12/12/1994 10:00
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 12/12/94 11:12
Date Call Received: Not reported
Amount Spilled: Not reported

Spill Source: Passenger Vehicle
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 9412158
Spill Date: 12/12/94
ID: 209314
Material Spilled: GASOLINE
Region Close Dt: 12/12/94
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 12/12/94
Amount Spilled: 15 Gal.

Spill Source: PASSENGER VEHICLE
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

601 W. 26TH ST (Continued) **S101341240**

Material:
Material Class Type: 1
Quantity Spilled: 15
Units: Gallons
Unknown Qty Spilled: 15
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: SPILL CONTAINED ON ROAD PAVEMENT. F.D. RESPONDED SANITATION APPEAR SAND P/UP

AE134 **601 WEST 26TH ST/MANH** **LTANKS** **S104275653**
North **601 WEST 26TH STREET** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
1698 ft.

Site 2 of 2 in cluster AE

Relative:
Lower

Actual:
8 ft.

LTANKS:

Spill Number: 9100519 | Region of Spill: 2
Spill Date: 04/12/1991 12:45 | Reported to Dept: 04/12/91 16:33
ID: Not reported | Date Call Received: Not reported
Material Spilled: Not reported | Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported | Spill Source: Other Commercial/Industrial
Tank Number: Not reported | Tank Size: Not reported
Test Method: Not reported | Leak Rate: Not reported

Spill Number: 9100519 | Region of Spill: 2
Spill Date: 04/12/91 | Reported to Dept: / /
ID: 154454 | Date Call Received: 04/12/91
Material Spilled: #6 FUEL OIL | Amount Spilled: 150 Gal.
Region Close Dt: 10/16/97
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported | Spill Source: OTHER COMM/INDUSTRIAL
Facility Contact: Not reported | Facility Tele: Not reported
Investigator: Not reported | SWIS: Not reported
Caller Name: Not reported | Caller Agency: Not reported
Caller Phone: Not reported | Caller Extension: Not reported
Notifier Name: Not reported | Notifier Agency: Not reported
Notifier Phone: Not reported | Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported | Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported | PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported

601 WEST 26TH ST/MANH (Continued) **S104275653**

Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 150
Units: Gallons
Unknown Qty Spilled: 150
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: 05/18/2001 Reassigned from Finger to Demeo
Spill Cause: 20K TANK, TANK DORMANT FOR 4YRS,WATER GETTING INTO TANK VIA FILL LINE,OI L FLOATED OUT ONTO CONCRETEBASEMENT FLOOR IN TANKROOM,VAC TRUCK SPEEDY D RY WAS USED.

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135 ENE 1/4-1/2 1725 ft.

400 WEST 25TH STREET
400 WEST 25TH STREET
MANHATTAN, NY 10001

AST LTANKS **S103517586 N/A**

Relative: Higher

Actual: 22 ft.

LTANKS:
Spill Number: 9310011
Spill Date: 11/17/1993 13:15
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 11/17/93 13:17
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 9310011
Spill Date: 11/17/93
ID: 191586
Material Spilled: #2 FUEL OIL
Region Close Dt: 11/17/93
Resource Affectd: ON LAND
Spill Cause: TANK OVERFILL
Water Affected: Not reported
Facility Contact: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 11/17/93
Amount Spilled: -3 Gal.
Spill Source: OTHER COMM/INDUSTRIAL
Facility Tele: Not reported

400 WEST 25TH STREET (Continued) **S103517586**

Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -3
Units: Gallons
Unknown Qty Spilled: -3
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: POSSIBLE GAGE CONTAINED ON SIDEWALK - DRIVER APPLIED SORBENT - P/U.

SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

PBS AST:
PBS Number: 2-252107
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: APARTMENT BUILDING
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: ELK INVESTORS
641 LEXINGTON AVENUE

CBS Number: Not reported
SWIS Code: 6201
Previous PBS#: Not reported

400 WEST 25TH STREET (Continued) **S103517586**

	NEW YORK, NY 10022		
Owner Phone:	(212) 371-5050		
Facility Phone:	(212) 691-7217		
Operator:	VICTOR MONDRAGON		
Emergency Name:	MARIO ESPINOZA		
Emergency Phone:	(212) 679-5468		
Total Tanks:	1		
Total Capacity:	2500		
Tank ID:	001		
Capacity (Gal):	2500		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	12/01/1979		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	DOUBLED-WALLED TANK		
Pipe Type:	STEEL/IRON		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	False	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	ELK INVESTORS		
Mailing Address:	641 LEXINGTON AVENUE 23RD FL NEW YORK, NY 10022		
Mailing Contact:	SHAZ MOSSANEN		
Mailing Telephone:	(212) 371-5050		
Owner Mark:	First Owner	Expiration Date:	11/16/2002
Certification Flag:	False	Certification Date:	09/30/1999
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	No data missing		
Tank Screen:	Minor data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

AF136 **CENTRAL IRON** **LTANKS** **S106703590**
NNE **505 WEST 27TH STREET** **N/A**
1/4-1/2 **NEW YORK, NY**
1837 ft.

Site 1 of 2 in cluster AF

Relative:
Higher

Actual:
16 ft.

LTANKS:

Spill Number:	9109614	Region of Spill:	2
Spill Date:	12/10/91	Reported to Dept:	/ /
ID:	163337	Date Call Received:	12/10/91
Material Spilled:	GASOLINE	Amount Spilled:	10 Gal.
Region Close Dt:	12/15/03		
Resource Affectd:	ON LAND		
Spill Cause:	TANK OVERFILL		
Water Affected:	Not reported	Spill Source:	NON MAJOR FACILITY 1,100 GAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard:	Not reported
Recommended Penalty:	Not reported
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	Not reported
Spill Record Last Update:	/ /
Is Updated:	Not reported
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	/ /
Date Region Sent Summary to Central Office:	/ /

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	10
Units:	Gallons
Unknown Qty Spilled:	10
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	GASOLINE
Class Type:	Petroleum
Chem Abstract Service Number:	GASOLINE
Last Date:	09/29/1994

CENTRAL IRON (Continued) **S106703590**

Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: Not reported

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137 NNE 1/4-1/2 1844 ft. **530 WEST 27TH ST/MANH** **LTANKS** **S104275540**
530 WEST 27TH STREET **N/A**
NEW YORK CITY, NY

Relative: Higher

Actual: 14 ft.

LTANKS:

Spill Number: 8901381
Spill Date: 05/11/1989 14:30
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Failure
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 05/11/89 14:30
Date Call Received: Not reported
Amount Spilled: Not reported

Spill Source: Non Major Facility > 1,100 gallons
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 8901381
Spill Date: 05/11/89
ID: 129465
Material Spilled: #6 FUEL OIL
Region Close Dt: Not closed
Resource Affectd: GROUNDWATER
Spill Cause: TANK FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 05/11/89
Amount Spilled: -1 lbs.

Spill Source: NON MAJOR FACILITY 1,100 GAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

530 WEST 27TH ST/MANH (Continued) **S104275540**

Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: 05/11/89: DEC TO REQUEST SUBSURFACE OR EXPLORATORY INVESTIGATION AROUND TANK TOP.
Spill Cause: BURIED UNDERGROUND TANK FILLED WITH WATER BUT SURFACE SOIL AROUND TANKTO P CEMENT IS SEEPING WITH OIL, OIL WAS SAMPLED.

AF138 **505 W 27THST/CENTRAL IRON** **LTANKS** **S102671782**
NNE **505 W 27TH ST** **N/A**
1/4-1/2 **NYC, NY**
1845 ft.

Site 2 of 2 in cluster AF

Relative: Higher

Actual: 16 ft.

LTANKS:
Spill Number: 9109614
Spill Date: 12/10/1991 09:30
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported
Region of Spill: 2
Reported to Dept: 12/10/91 09:30
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Non Major Facility > 1,100 gallons
Tank Size: Not reported
Leak Rate: Not reported

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139 **COMMERCIAL BUILDING** **LTANKS** **S105994894**
North **260 11TH AVE** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
1946 ft.

Relative: Lower

Actual: 9 ft.

LTANKS:
Spill Number: 0109855
Spill Date: 01/09/02
ID: 27735
Material Spilled: #6 FUEL OIL
Region Close Dt: Not closed
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
Region of Spill: 2
Reported to Dept: / /
Date Call Received: 01/11/02
Amount Spilled: Unknown Gal.
Spill Source: OTHER COMM/INDUSTRIAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

COMMERCIAL BUILDING (Continued) **S105994894**

PBS: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: Not reported
Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported
Num Times Material Entry In File: Not reported
DEC Remarks: Not reported
Spill Cause: Not reported

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140 NE 1/4-1/2 1971 ft. **303 10 AVE. MANHATTAN/UNK** **LTANKS** **S104275478**
303 10 AVE. **N/A**
NEW YORK CITY, NY

Relative: Higher
Actual: 17 ft.

LTANKS:
Spill Number: 8605682 Region of Spill: 2
Spill Date: 12/04/1986 12:00 Reported to Dept: 12/05/86 16:00
ID: Not reported Date Call Received: Not reported
Material Spilled: Not reported Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Overfill
Water Affected: Not reported Spill Source: Gas Station
Tank Number: Not reported Tank Size: Not reported
Test Method: Not reported Leak Rate: Not reported

303 10 AVE. MANHATTAN/UNK (Continued) **S104275478**

Spill Number: 8605682
Spill Date: 12/04/86
ID: 104515
Material Spilled: GASOLINE
Region Close Dt: 12/05/86
Resource Affectd: GROUNDWATER
Spill Cause: TANK OVERFILL
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 12/05/86
Amount Spilled: 1000 lbs.
Spill Source: GASOLINE STATION
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 1000
Units: Not reported
Unknown Qty Spilled: 1000
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: 10/10/95: This is additional information about material spilled from th e translation of the old spill file: POTEN SPILL.
Spill Cause: @

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
141 SE 1/4-1/2 1993 ft.	**310 WEST 18TH STREET 310 WEST 18TH STREET NEW YORK CITY, NY**	**LTANKS NY Spills**	**S102238235 N/A**

Relative: Higher

Actual: 20 ft.

SPILLS:

True Date : 11/15/2004
Spill Number: 9510451 — Region of Spill: 2
Spill Date: 04/01/95 — Reported to Dept: / /
ID: 224592
Date Call Received: 11/20/95
Region Close Date : 12/12/95
Material Spilled: UNKNOWN PETROLEUM — Amount Spilled: Unknown Gal.
Spill Cause: AIR — Resource Affected: AIR
Water Affected: Not reported — Spill Source: UNKNOWN
Water Affected: Not reported — Spill Source: UNKNOWN
Facility Contact: Not reported — Facility Tele: Not reported
Investigator: Not reported — SWIS: Not reported
Caller Name: Not reported — Caller Agency: Not reported
Caller Phone: Not reported — Caller Extension: Not reported
Notifier Name: Not reported — Notifier Agency: Not reported
Notifier Phone: Not reported — Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported — Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Mulqueen inspected the site which is a multi sory brownstone which is a COOP. The COOP had a vote and moved the piping of the vent to the side of the building, under Mr. Furgenson s window. No evidence of a spill, just poor judgement.
Remark: ODOR COMMING IN THROUGH WINDOW-MAY BE COMMING FROM VENT PIPE.CAN CONTACT FERGUSON ON MONDAY OR TUESDAY.CALL FAXED FROM REGION
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414
Spill Closed Dt: / /
Spill Notifier: Not reported — PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / / — Cleanup Meets Std: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ / — Enforcement Date: / /
Invstgn Complete:/ / — UST Involvement: Not reported

310 WEST 18TH STREET (Continued) **S102238235**

Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

LTANKS:

Spill Number: 9612959
Spill Date: 02/01/1997 15:20
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported
Region of Spill: 2
Reported to Dept: 02/01/97 15:28
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Non Commercial/Industrial
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 9612959
Spill Date: 02/01/97
ID: 243859
Material Spilled: #2 FUEL OIL
Region Close Dt: 02/09/00
Resource Affectd: ON LAND
Spill Cause: TANK OVERFILL
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Region of Spill: 2
Reported to Dept: / /
Date Call Received: 02/01/97
Amount Spilled: Unknown Gal.
Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

310 WEST 18TH STREET (Continued) **S102238235**

Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: APPARENTLY OIL TANK WAS OVERFILLED IN THE APARTMENT COMPLEX CASTLE OIL MADE A DELIVERY THERE UNKNOWN IF THEY DID IT ABSORBENT WAS PUT DOWN BUT THERE IS PRODUCT STILL ON THE OUTSIDE OF BUILDING.

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142 ESE 1/4-1/2 2016 ft. **UNKNOWN APARTMNT BUILDING** **LTANKS** **S100145554**
204 8 AV **N/A**
MANHATTAN, NY

Relative: Equal
Actual: 10 ft.

LTANKS:
Spill Number: 8905180
Spill Date: 08/25/1989 08:50
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 08/25/89 09:14
Date Call Received: Not reported
Amount Spilled: Not reported

Spill Source: Other Commercial/Industrial
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 8905180
Spill Date: 08/25/89
ID: 133279
Material Spilled: #2 FUEL OIL
Region Close Dt: 09/15/97
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 08/25/89
Amount Spilled: -1 lbs.

Spill Source: OTHER COMM/INDUSTRIAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

UNKNOWN APARTMNT BUILDING (Continued) **S100145554**

Spill Notifier: Not reported PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: CHANGED BY RP.
Spill Cause: TWO 275 GALLON TANKS LEAKING. NYFD ATTEMPTING TO PLUG LEAK.

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143 **ELLIOTT** **UST** **U002034297**
ENE **426 WEST 27TH STREET** **LTANKS** **N/A**
1/4-1/2 **NEW YORK, NY 10001**
2027 ft.

Relative: **Equal**

Actual: **10 ft.**

LTANKS:
Spill Number: 9602200 Region of Spill: 2
Spill Date: 05/15/1996 14:00 Reported to Dept: 05/15/96 15:53
ID: Not reported Date Call Received: Not reported
Material Spilled: Not reported Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported Spill Source: Other Commercial/Industrial
Tank Number: Not reported Tank Size: Not reported
Test Method: Not reported Leak Rate: Not reported

Spill Number: 9002184 Region of Spill: 2
Spill Date: 05/25/1990 11:00 Reported to Dept: 05/25/90 11:43
ID: Not reported Date Call Received: Not reported
Material Spilled: Not reported Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land

ELLIOTT (Continued) **U002034297**

Spill Cause: Tank Test Failure
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported
Spill Source: Other Non Commercial/Industrial
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 9002184
Spill Date: 05/25/90
ID: 142799
Material Spilled: #4 FUEL OIL
Region Close Dt: Not closed
Resource Affectd: ON LAND
Region of Spill: 2
Reported to Dept: / /
Date Call Received: 05/25/90
Amount Spilled: -1 lbs.

Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: 001
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
PBS Number: Not reported
Tank Number: 002
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1

ELLIOTT (Continued) **U002034297**

Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: Not reported
Spill Cause: VISIBLE LEAKS AT GAUGES 2) MANHOLE COVERS, MANIFOLD TANKS 2) 20K FAILE D HORNER EZY CHECK WITH A GROSS LEAK, WILL REPAIR RETEST.

Spill Number: 9602200
Spill Date: 05/15/96
ID: 233115
Material Spilled: #2 FUEL OIL
Region Close Dt: Not closed
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 05/15/96
Amount Spilled: Unknown Gal.
Spill Source: OTHER COMM/INDUSTRIAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No

ELLIOTT (Continued) **U002034297**

Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: going to isolate and retest

PBS UST:

PBS Number:	2-601955	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	LUIS PONCE (718) 707-5725		
Emergency Contact:	EMERGENCY SERVICE DEPT. (718) 289-3940		
Total Tanks:	1		
Owner:	NYC HOUSING AUTHORITY 23-02 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 707-5725		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	51		
Mailing Address:	NYC HOUSING AUTHORITY ATTN: LUIS PONCE 23-02 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 707-5725		
Tank Status:	Closed - Removed		
Capacity (gals):	20000		
Tank Location:	UNDERGROUND		
Tank Id:	OLD 001	Install Date:	05/01/1997
Tank Type:	Fiberglass coated steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	OTHER
Pipe Location:	Underground	Pipe Type:	OTHER
Tank External:	FIBERGLASS		
Missing Data for Tank:	No Missing Data		
Pipe External:	OTHER		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING/IN-TANK SYSTEM		
Overfill Prot:	High Level Alarm, Catch Basin	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	25000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/05/2001
Old PBS Number:	Not reported	Expiration Date:	09/02/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		

ELLIOTT (Continued) **U002034297**

Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-601955	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	LUIS PONCE (718) 707-5725		
Emergency Contact:	EMERGENCY SERVICE DEPT. (718) 289-3940		
Total Tanks:	1		
Owner:	NYC HOUSING AUTHORITY 23-02 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 707-5725		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	51		
Mailing Address:	NYC HOUSING AUTHORITY ATTN: LUIS PONCE 23-02 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 707-5725		
Tank Status:	In Service		
Capacity (gals):	25000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	05/01/1997
Tank Type:	Fiberglass coated steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	OTHER
Pipe Location:	Underground	Pipe Type:	NOT DEFINED
Tank External:	FIBERGLASS		
Missing Data for Tank:	No Missing Data		
Pipe External:	OTHER		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING/IN-TANK SYSTEM		
Overfill Prot:	High Level Alarm, Catch Basin	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	25000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/05/2001
Old PBS Number:	Not reported	Expiration Date:	09/02/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-601955	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201

ELLIOTT (Continued) **U002034297**

Operator:	LUIS PONCE (718) 707-5725		
Emergency Contact:	EMERGENCY SERVICE DEPT. (718) 289-3940		
Total Tanks:	1		
Owner:	NYC HOUSING AUTHORITY 23-02 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 707-5725		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	51		
Mailing Address:	NYC HOUSING AUTHORITY ATTN: LUIS PONCE 23-02 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 707-5725		
Tank Status:	Closed - Removed		
Capacity (gals):	20000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1947
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	WRAPPED [PIPING]		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	05/01/1991	Next Test Date:	Not reported
Date Closed:	05/01/1997	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	25000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/05/2001
Old PBS Number:	Not reported	Expiration Date:	09/02/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		
PBS Number:	2-601955	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	LUIS PONCE (718) 707-5725		
Emergency Contact:	EMERGENCY SERVICE DEPT. (718) 289-3940		
Total Tanks:	1		
Owner:	NYC HOUSING AUTHORITY		

ELLIOTT (Continued) **U002034297**

23-02 49TH AVENUE
LONG ISLAND CITY, NY 11101
(718) 707-5725

Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	51		
Mailing Address:	NYC HOUSING AUTHORITY ATTN: LUIS PONCE 23-02 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 707-5725		
Tank Status:	Closed - Removed		
Capacity (gals):	20000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	04/01/1997
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	WRAPPED [PIPING]		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	04/01/1997	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	25000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	01/05/2001
Old PBS Number:	Not reported	Expiration Date:	09/02/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

AG144 **PUBLIC SCHOOL #33** **LTANKS** **S102662879**
ENE **281 9TH AVENUE** **N/A**
1/4-1/2 **MANHATAN, NY**
2074 ft.

Site 1 of 2 in cluster AG

Relative:
Equal

Actual:
10 ft.

LTANKS:

Spill Number:	9614151	Region of Spill:	2
Spill Date:	03/05/1997 13:30	Reported to Dept:	03/05/97 14:16
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Overfill		
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported

PUBLIC SCHOOL #33 (Continued) **S102662879**

Test Method: Not reported
Leak Rate: Not reported

Spill Number: 9614151
Region of Spill: 2
Spill Date: 03/05/97
Reported to Dept: / /
ID: 245038
Date Call Received:03/05/97
Material Spilled: #4 FUEL OIL
Amount Spilled: 50 Gal.
Region Close Dt: 12/31/97
Resource Affectd: ON LAND
Spill Cause: TANK OVERFILL
Water Affected: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 50
Units: Gallons
Unknown Qty Spilled: 50
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: Not reported
Spill Cause: CALLER STATED THAT 5,500GAL WAS ORDERED. TANK STARTED OVERFILLING AT 1,

PUBLIC SCHOOL #33 (Continued) **S102662879**

,315 GALS.

AG145 **PS 33** **UST** **U000411085**
ENE **281 NINTH AVENUE** **LTANKS** **N/A**
1/4-1/2 **NEW YORK, NY 10001**
2074 ft.

Site 2 of 2 in cluster AG

Relative:
Equal

Actual:
10 ft.

LTANKS:

Spill Number: 9713196
Spill Date: 02/26/1998 10:00
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 02/26/98 11:47
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Non Commercial/Industrial
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 9713196
Spill Date: 02/26/98
ID: 94438
Material Spilled: #6 FUEL OIL
Region Close Dt: 03/03/03
Resource Affectd: ON LAND
Spill Cause: TANK OVERFILL
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 02/26/98
Amount Spilled: 60 Gal.
Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported

PS 33 (Continued) **U000411085**

Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 60
Units: Gallons
Unknown Qty Spilled: 60
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: Not reported
Spill Cause: CALLER REPORTING OVERFILL AT PUBLIC SCHOOL 33. CLEAN UP WILL BEGIN SHO RTLY.

PBS UST:

PBS Number:	2-478393	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	PLANT OPERATION (718) 391-6000		
Emergency Contact:	SCHOOL SAFETY (212) 979-3300		
Total Tanks:	2		
Owner:	BOARD OF EDUCATION 28-11 QUEENS PLAZA NORTH LONG ISLAND CITY, NY 11101 (718) 391-6832		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BOARD OF EDUCATION ATTN: FRANK CARDELLO NTROL 28-11 QUEENS PLAZA NORTH 5TH FLOOR LONG ISLAND CITY, NY 11101 (718) 391-6832		
Tank Status:	In Service		
Capacity (gals):	7500		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Above/Underground Combination	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/PAINTED/ASPHALT COATING		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/PAINTED/ASPHALT COATING		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	15000	Renewal Date:	Not reported

PS 33 (Continued) **U000411085**

Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	11/08/1999
Old PBS Number:	Not reported	Expiration Date:	11/30/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	62		
Region:	2		

PBS Number:	2-478393	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6201
Operator:	PLANT OPERATION (718) 391-6000		
Emergency Contact:	SCHOOL SAFETY (212) 979-3300		
Total Tanks:	2		
Owner:	BOARD OF EDUCATION 28-11 QUEENS PLAZA NORTH LONG ISLAND CITY, NY 11101 (718) 391-6832		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BOARD OF EDUCATION ATTN: FRANK CARDELLO NTROL 28-11 QUEENS PLAZA NORTH 5TH FLOOR LONG ISLAND CITY, NY 11101 (718) 391-6832		
Tank Status:	In Service		
Capacity (gals):	7500		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Above/Underground Combination	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/PAINTED/ASPHALT COATING		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/PAINTED/ASPHALT COATING		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	15000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	11/08/1999
Old PBS Number:	Not reported	Expiration Date:	11/30/2004
Inspected Date:	Not reported	Inspector:	Not reported

PS 33 (Continued) **U000411085**

Inspection Result: Not reported
Lat/long: Not reported
Facility Type: Not reported
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 62
Region: 2

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146 NNE 1/4-1/2 2087 ft. **PARKING LOT OF 515 WEST 28TH ST MANHATTAN, NY** **LTANKS** **S103558674 N/A**

Relative: Higher

Actual: 17 ft.

LTANKS:

Spill Number: 9811167 | Region of Spill: 2
Spill Date: 12/05/1998 07:00 | Reported to Dept: 12/05/98 08:01
ID: Not reported | Date Call Received: Not reported
Material Spilled: Not reported | Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported | Spill Source: Other Non Commercial/Industrial
Tank Number: Not reported | Tank Size: Not reported
Test Method: Not reported | Leak Rate: Not reported

Spill Number: 9811167 | Region of Spill: 2
Spill Date: 12/05/98 | Reported to Dept: / /
ID: 92276 | Date Call Received: 12/05/98
Material Spilled: #2 FUEL OIL | Amount Spilled: 10 Gal.
Region Close Dt: 12/07/98
Resource Affectd: ON LAND
Spill Cause: TANK OVERFILL
Water Affected: Not reported | Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Contact: Not reported | Facility Tele: Not reported
Investigator: Not reported | SWIS: Not reported
Caller Name: Not reported | Caller Agency: Not reported
Caller Phone: Not reported | Caller Extension: Not reported
Notifier Name: Not reported | Notifier Agency: Not reported
Notifier Phone: Not reported | Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported | Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported | PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /

PARKING LOT OF (Continued) **S103558674**

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 10
Units: Gallons
Unknown Qty Spilled: 10
Quantity Recovered: 10
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: OVERFILL DUE TO ORDERING BY CUSTOMER. PETRO WILL BE DOING CLEAN UP.

AH147 **271 11TH AVE/MANHATTAN** **LTANKS** **S102671246**
North **271 11TH AVE** **NY Spills** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
2088 ft.

Site 1 of 2 in cluster AH

Relative:
Equal

SPILLS:
True Date : 11/15/2004

Actual:
10 ft.

Spill Number: 9611656 Region of Spill: 2
Spill Date: 12/24/96 Reported to Dept: / /
ID: 242553
Date Call Received: 12/24/96
Region Close Date : 12/24/96
Material Spilled: #4 FUEL OIL Amount Spilled: 25 Gal.
Spill Cause: ON LAND Resource Affected: ON LAND
Water Affected: Not reported Spill Source: TANK TRUCK
Water Affected: Not reported Spill Source: TANK TRUCK
Facility Contact: Not reported Facility Tele: Not reported
Investigator: Not reported SWIS: Not reported
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: DEFECTIVE GAUGE ON THE TANK - CLEANUP IN PROCESS
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

271 11TH AVE/MANHATTAN (Continued) **S102671246**

Material:
Material Class Type: 1
Quantity Spilled: 25
Units: Gallons
Unknown Qty Spilled: 25
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

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LTANKS:
Spill Number: 8710036
Region of Spill: 2
Spill Date: 02/29/1988 09:00
Reported to Dept: 02/29/88 15:08
ID: Not reported
Date Call Received: Not reported
Material Spilled: Not reported
Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Spill Source: Tank Truck
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported

Spill Number: 8710036
Region of Spill: 2
Spill Date: 02/29/88
Reported to Dept: / /
ID: 117022
Date Call Received: 02/29/88
Material Spilled: #6 FUEL OIL
Amount Spilled: 1000 Gal.
Region Close Dt: 12/29/88
Resource Affectd: ON LAND
Spill Cause: TANK OVERFILL
Water Affected: Not reported
Spill Source: TANK TRUCK
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported

271 11TH AVE/MANHATTAN (Continued) **S102671246**

Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 1000
Units: Gallons
Unknown Qty Spilled: 1000
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: Not reported
Spill Cause: SPILL CONTAINED IN TANK VAULT ROOM OF BUILDING, OCCURRED DURING DELIVERY

148
SSE **351-355 W 14TH ST** **LTANKS** **S104877200**
1/4-1/2 **MANHATTEN, NY** **N/A**
2142 ft.

Relative:
Higher

Actual:
18 ft.

LTANKS:
Spill Number: 0009297 Region of Spill: 2
Spill Date: 11/13/2000 09:00 Reported to Dept: 11/13/00 11:07
ID: Not reported Date Call Received: Not reported
Material Spilled: Not reported Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported Spill Source: Other Commercial/Industrial
Tank Number: Not reported Tank Size: Not reported
Test Method: Not reported Leak Rate: Not reported

Spill Number: 0009297 Region of Spill: 2
Spill Date: 11/13/00 Reported to Dept: / /

(Continued) **S104877200**

ID: 71572
Date Call Received: 11/13/00
Material Spilled: #6 FUEL OIL
Amount Spilled: Unknown Gal.
Region Close Dt: Not closed
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported
Spill Source: OTHER COMM/INDUSTRIAL
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: Not reported
Spill Cause: caller cleaned tank and found a hole in tank - tank is underneith the si de walk -

AH149 **CON EDISON WEST 28TH STREET** **FINDS** **1000111675**
North **281 11TH AVENUE** **SWF/LF** **NYD982177743**
1/4-1/2 **NEW YORK CITY, NY 10001** **RCRA-LQG**
2203 ft. **NY Spills**

Site 2 of 2 in cluster AH

Relative:
Higher

Actual:
11 ft.

RCRAInfo:

Owner: CON EDISON
(212) 555-1212
EPA ID: NYD982177743

Contact: ROBER KEEGAN
(718) 460-4833

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	78.98	D008	5968666.97
D009	52.00	D011	332.00
D018	916.53		

Violation Status: Violations exist

Regulation Violated: 372.2(b)(2)(i),(ii)
Area of Violation: GENRATOR-SQG REQUIREMENTS
Date Violation Determined: 07/01/2004
Actual Date Achieved Compliance: 07/26/2004

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/26/2004
Penalty Type: Not reported

Regulation Violated: 373-3.2(g)(2)
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/01/2003
Actual Date Achieved Compliance: 12/04/2003

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/06/2003
Penalty Type: Not reported

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENRATOR-SQG REQUIREMENTS	20040726
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20031204

NY MANIFEST

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CT MANIFEST

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CON EDISON WEST 28TH STREET (Continued) **1000111675**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

LF:
Secondary Addr : Not reported
Phone Number : 2122393138
Owner Type : Not reported
Owner Address : Not reported
Not reported
0
Owner Email : Not reported
Contact Name : HARRY COATES
Contact Address : Not reported
Not reported
Not reported
Contact Email : Not reported
Activity Desc : C&D processing - registered
Activity Number : 31W12
Active : No
North Coordinate :0
Regulatory Status Permit
Waste Type : Not reported
Authorization # : 2-6205-00035
Expiration Date : 1/24/1996

Region Code : 2
Owner Name : Not reported
Owner Phone : 0
Contact Phone : Not reported
Accuracy Code : Not reported
East Coordinate : 0
Authorization Date :1/24/1991

SPILLS:
True Date : 11/15/2004
Spill Number: 9809784
Spill Date: 11/04/98
ID: 268683
Date Call Received: 11/04/98
Region Close Date : 11/04/03
Material Spilled: HYDRAULIC OIL
Spill Cause: ON LAND
Water Affected: Not reported
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: WEST 28TH STREET TRANSPORTATION YARD. BROKEN HYDRAULIC LINE ON STREET SWEEPER. ONTO BLACKTOP. BEING CLEANED UP. CON EDISON REFERENCE NUMBER 121027.
Spill Class: Not reported
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported

Region of Spill: 2
Reported to Dept: / /
Amount Spilled: 3 Gal.
Resource Affected: ON LAND
Spill Source: COMMERCIAL VEHICLE
Spill Source: COMMERCIAL VEHICLE
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported

CON EDISON WEST 28TH STREET (Continued) **1000111675**

Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 3
Units: Gallons
Unknown Qty Spilled: 3
Quantity Recovered: 3
Unknown Qty Recovered: False
Material: HYDRAULIC OIL
Class Type: Petroleum
Chem Abstract Service Number: HYDRAULIC OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 1846
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

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150 SSW 1/4-1/2 2216 ft. **2 BLOOMFIELD STREET**
2 BLOOMFIELD STREET
MANHATTAN, NY

LTANKS S102660095
NY Spills N/A

Relative: Lower
Actual: 3 ft.

SPILLS:
True Date : 11/15/2004
Spill Number: 0305020
Region of Spill: 2
Spill Date: 08/12/03
Reported to Dept: / /
ID: 21353
Date Call Received: 08/12/03
Region Close Date : Not closed
Material Spilled: #2 FUEL OIL
Amount Spilled: 1 Gal.
Spill Cause: ON LAND
Resource Affected: ON LAND
Water Affected: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
Water Affected: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
DEC Remarks : Not reported
Remark: Not reported
Spill Class: Not reported

2 BLOOMFIELD STREET (Continued) **S102660095**

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: Not reported
Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported
Num Times Material Entry In File: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

LTANKS:
Spill Number: 9505382
Region of Spill: 2
Spill Date: 08/01/1995 10:00
Reported to Dept: 08/01/95 12:39
ID: Not reported
Date Call Received: Not reported
Material Spilled: Not reported
Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Spill Source: Other Non Commercial/Industrial
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported

Spill Number: 9505382
Region of Spill: 2
Spill Date: 08/01/95
Reported to Dept: / /
ID: 219498
Date Call Received: 08/01/95
Material Spilled: MOTOR OIL
Amount Spilled: 0 lbs.
WASTE OIL
100 Gal.
Region Close Dt: Not closed
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Contact: Not reported
Facility Tele: Not reported

2 BLOOMFIELD STREET (Continued) **S102660095**

Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /

SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:
- PBS Number: Not reported
- Tank Number: Not reported
- Test Method: Not reported
- Capacity of Failed Tank: Not reported
- Leak Rate Failed Tank: Not reported
- Gross Leak Rate: Not reported

Material:
- Material Class Type: 1
- Quantity Spilled: 100
- Units: Gallons
- Unknown Qty Spilled: 100
- Quantity Recovered: 100
- Unknown Qty Recovered: False
- Material: WASTE OIL
- Class Type: Petroleum
- Chem Abstract Service Number: WASTE OIL
- Last Date: 09/27/1994
- Num Times Material Entry In File: 9509
- Material Class Type: 1
- Quantity Spilled: 0
- Units: Pounds
- Unknown Qty Spilled: No
- Quantity Recovered: 0
- Unknown Qty Recovered: False
- Material: MOTOR OIL
- Class Type: Petroleum
- Chem Abstract Service Number: MOTOR OIL
- Last Date: 07/28/1994
- Num Times Material Entry In File: 508

DEC Remarks: Not reported
Spill Cause: LEAK FROM MOTOR OIL TANK ONTO CONCRETE FLOOR BEING REPAIRED NOW - CLEANE

2 BLOOMFIELD STREET (Continued) **S102660095**

D UP

Spill Number: 0306368
Spill Date: 09/16/03
ID: 22954
Material Spilled: #2 FUEL OIL
Region Close Dt: 10/20/03
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: Not reported
Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported
Num Times Material Entry In File: Not reported
DEC Remarks: Not reported
Spill Cause: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 09/16/03
Amount Spilled: Unknown Gal.
Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

(Continued) **S105997759**

Num Times Material Entry In File: Not reported
DEC Remarks: Not reported
Spill Cause: Not reported

AJ152 **POWER HOUSE** **LTANKS** **S102233331**
East **315 W 25TH ST** **N/A**
1/4-1/2 **MANHATTAN, NY**
2272 ft.

Site 1 of 2 in cluster AJ

Relative:
Equal

Actual:
10 ft.

LTANKS:

Spill Number: 9602633
Spill Date: 05/23/1996 15:30
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 05/23/96 15:49
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Non Commercial/Industrial
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 9602633
Spill Date: 05/23/96
ID: 233574
Material Spilled: #2 FUEL OIL
Region Close Dt: Not closed
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 05/23/96
Amount Spilled: Unknown Gal.
Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

AI151
SE
1/4-1/2
2228 ft.

Relative:
Equal

Actual:
10 ft.

264 W. 19TH ST
MANHATTAN, NY

LTANKS **S105997759**
N/A

Site 1 of 2 in cluster AI

LTANKS:

Spill Number:	0209894	Region of Spill:	2
Spill Date:	12/30/02	Reported to Dept:	/ /
ID:	42217	Date Call Received:	12/30/02
Material Spilled:	#6 FUEL OIL	Amount Spilled:	20 Gal.
Region Close Dt:	03/26/03		
Resource Affectd:	ON LAND		
Spill Cause:	TANK OVERFILL		
Water Affected:	Not reported	Spill Source:	PRIVATE DWELLING
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /

Tank Test:
- PBS Number: Not reported
- Tank Number: Not reported
- Test Method: Not reported
- Capacity of Failed Tank: Not reported
- Leak Rate Failed Tank: Not reported
- Gross Leak Rate: Not reported

Material:
- Material Class Type: Not reported
- Quantity Spilled: Not reported
- Units: Not reported
- Unknown Qty Spilled: Not reported
- Quantity Recovered: Not reported
- Unknown Qty Recovered: Not reported
- Material: Not reported
- Class Type: Not reported
- Chem Abstract Service Number: Not reported
- Last Date: Not reported

POWER HOUSE (Continued) **S102233331**

Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: OLD TANK APPEARED TO HAVE FAILED. TANK IS BEING REMOVED, CONTAMINATED SO IL WAS FOUND DURING REMOVAL PROCESS. INVESTIGATION IS UNDERWAY AT THIS T IME.

AJ153 **MUTUAL REDEVELOPMENT HSNG** **LTANKS** **1001751755**
East **315 W 25 ST** **N/A**
1/4-1/2 **MANHATTAN, NY**
2272 ft.

Site 2 of 2 in cluster AJ

Relative: Equal

Actual: 10 ft.

LTANKS:

Spill Number: 8908445
Spill Date: 11/27/1989 13:00
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported
Region of Spill: 2
Reported to Dept: 11/27/89 13:52
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 8908445
Spill Date: 11/27/89
ID: 136547
Material Spilled: #2 FUEL OIL
Region Close Dt: 03/06/03
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Region of Spill: 2
Reported to Dept: / /
Date Call Received: 11/27/89
Amount Spilled: -1 lbs.
Spill Source: OTHER COMM/INDUSTRIAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported

MUTUAL REDEVELOPMENT HSNG (Continued) **1001751755**

Spill Notifier: Not reported PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: TANK 11 12 BOTH 20K HORNER GROSS LEAKS.

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154 ENE 1/4-1/2 2294 ft. **303 9TH AV/DEPT OF HEALTH** **LTANKS** **S100167612**
303 9TH AVENUE **N/A**
NEW YORK CITY, NY

Relative: Equal
Actual: 10 ft.

LTANKS:
Spill Number: 8807152 Region of Spill: 2
Spill Date: 11/29/1988 14:30 Reported to Dept: 11/29/88 20:15
ID: Not reported Date Call Received: Not reported
Material Spilled: Not reported Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported Spill Source: Other Non Commercial/Industrial
Tank Number: Not reported Tank Size: Not reported
Test Method: Not reported Leak Rate: Not reported

Spill Number: 8807152 Region of Spill: 2
Spill Date: 11/29/88 Reported to Dept: / /
ID: 125075 Date Call Received: 11/29/88
Material Spilled: #2 FUEL OIL Amount Spilled: -1 lbs.
Region Close Dt: 03/05/03
Resource Affectd: GROUNDWATER

303 9TH AV/DEPT OF HEALTH (Continued) **S100167612**

Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: 2-219029
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: TANK FAILED WITH A LEAK RATE OF -.318GPH, WILL EXCAVATE ISOLATE.

Spill Source: OTHER NON COMM/INSTITUTIONAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

AK155 **HIGH RIDGE ENTERPRISES** **LTANKS** **S106124184**
NNE **524 W 29TH ST** **N/A**
1/4-1/2 **MANHATTAN, NY**
2305 ft.

Site 1 of 2 in cluster AK

Relative: Higher

Actual: 16 ft.

LTANKS:

Spill Number:	0307633	Region of Spill:	2
Spill Date:	10/20/03	Reported to Dept:	/ /
ID:	24446	Date Call Received:	10/20/03
Material Spilled:	GASOLINE	Amount Spilled:	Unknown Gal.
Region Close Dt:	Not closed		
Resource Affectd:	ON LAND		
Spill Cause:	TANK OVERFILL		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /

Tank Test:

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:

Material Class Type: Not reported
Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported

HIGH RIDGE ENTERPRISES (Continued) **S106124184**

Num Times Material Entry In File: Not reported
DEC Remarks: Not reported
Spill Cause: Not reported

AK156 **524 WEST 29TH ST/MANH** **LTANKS** **S104275619**
NNE **524 WEST 29TH STREET** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
2305 ft.

Site 2 of 2 in cluster AK

Relative:
Higher

Actual:
16 ft.

LTANKS:

Spill Number: 9008960
Spill Date: 11/14/1990 15:00
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 11/15/90 10:29
Date Call Received: Not reported
Amount Spilled: Not reported

Spill Source: Other Commercial/Industrial
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 9008960
Spill Date: 11/14/90
ID: 149584
Material Spilled: GASOLINE
Region Close Dt: 03/04/03
Resource Affectd: GROUNDWATER
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 11/15/90
Amount Spilled: -1 lbs.

Spill Source: OTHER COMM/INDUSTRIAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

524 WEST 29TH ST/MANH (Continued) **S104275619**

Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: 4K TANK FAILED HORNER EZY CHECK WITH A LEAK RATE RATE OF -.16GPH,WILL EX CAVATE ISOLATE, POSSIBLE LINE FAILURE.

A157 **LTANKS** **S104877546**
SE **251 W. 19TH ST** **N/A**
1/4-1/2 **MANHATTAN, NY**
2312 ft.

Site 2 of 2 in cluster A

Relative:
Equal

Actual:
10 ft.

LTANKS:

Spill Number:	0010929	Region of Spill:	2
Spill Date:	01/03/2000 14:00	Reported to Dept:	01/04/01 15:48
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	0010929	Region of Spill:	2
Spill Date:	01/03/00	Reported to Dept:	/ /
ID:	42377	Date Call Received:	01/04/01
Material Spilled:	#2 FUEL OIL	Amount Spilled:	Unknown Gal.
Region Close Dt:	07/29/03		
Resource Affectd:	ON LAND		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER NON COMM/INSTITUTIONAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported

(Continued) **S104877546**

Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: 1
Test Method: Horner EZ Check
Capacity of Failed Tank: 3000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: tank test failure - leaking manhole cover and this has been repaired alr eady

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158 **168-11 12TH AVENUE** **LTANKS** **S104275514**
North **168-11 12TH AVENUE** **N/A**
1/4-1/2 **NYC, NY**
2360 ft.

Relative: **Lower**

Actual: **9 ft.**

LTANKS:

Spill Number: 8803037
Spill Date: 07/07/1988 08:00
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 07/07/88 14:02
Date Call Received: Not reported
Amount Spilled: Not reported

Spill Source: Other Commercial/Industrial
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 8803037
Spill Date: 07/07/88
ID: 120987
Material Spilled: #4 FUEL OIL
Region Close Dt: 09/30/92
Resource Affectd: GROUNDWATER

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 07/07/88
Amount Spilled: -1 Gal.

168-11 12TH AVENUE (Continued) **S104275514**

Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Spill Source: OTHER COMM/INDUSTRIAL
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: 2-158372
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Gallons
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: / / : PUMP OUT, INSPECT TEST LINES.
Spill Cause: 3K TANK, NEVER STABILIZED, INITIAL SYSTEM HORNER-EZY CHECK TEST.

AL159 **15TH ST & 8TH AVE/BKLYN** **LTANKS** **S102671425**
SSE **15TH ST / 8TH AVE** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
2370 ft.

Site 1 of 2 in cluster AL

Relative:
Higher

Actual:
22 ft.

LTANKS:

Spill Number:	8905987	Region of Spill:	2
Spill Date:	09/18/1989 11:00	Reported to Dept:	09/18/89 12:07
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Overfill		
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	8905987	Region of Spill:	2
Spill Date:	09/18/89	Reported to Dept:	/ /
ID:	134111	Date Call Received:	09/18/89
Material Spilled:	#2 FUEL OIL	Amount Spilled:	-1 lbs.
Region Close Dt:	01/12/04		
Resource Affectd:	ON LAND		
Spill Cause:	TANK OVERFILL		
Water Affected:	Not reported	Spill Source:	OTHER NON COMM/INSTITUTIONAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard:	Not reported
Recommended Penalty:	Not reported
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	Not reported
Spill Record Last Update:	/ /
Is Updated:	Not reported

Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

15TH ST & 8TH AVE/BKLYN (Continued) **S102671425**

Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: 09/18/89: BRIAN CONTRACTING CORP WILL DISPOSE OF 80YDS OF CONTAMINATED S AND.
Spill Cause: BACKFILL CONTAMINATED WITH PRODUCT WHEN TANK WAS PREPARED TO BE REMOVED, , TANK ENCLOSED BY CONCRETE VAULT.

AL160 **LTANKS** **S104620801**
SSE **96 8TH AVE** **N/A**
1/4-1/2 **MANHATTAN, NY**
2401 ft.

Site 2 of 2 in cluster AL

Relative: Higher

Actual: 22 ft.

LTANKS:

Spill Number: 9912064
Spill Date: 01/19/2000 08:30
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported
Region of Spill: 2
Reported to Dept: 01/19/00 09:55
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Commercial Vehicle
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 9912064
Spill Date: 01/19/00
ID: 57516
Material Spilled: #2 FUEL OIL
Region Close Dt: 07/24/03
Resource Affectd: ON LAND
Spill Cause: TANK OVERFILL
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Region of Spill: 2
Reported to Dept: / /
Date Call Received: 01/19/00
Amount Spilled: 12 Gal.
Spill Source: COMMERCIAL VEHICLE
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

(Continued) **S104620801**

Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 12
Units: Gallons
Unknown Qty Spilled: 12
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: 212 627-5264, OWNER HOME. 212 243-9946, WORK.
Spill Cause: CALLER REPORTS CUSTOMER OVERORDERED AND NO VENT ALARM ON TANK, CAUSING 1 0-12 GALLONS TO SPILL TO BASEMENT. HAS BEEN CONTAINED. TRUCK EN ROUTE FO R CLEANUP TO PUMP OUT TANK.

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161 **LTANKS** **S105135007**
East **304 8TH AVE** **N/A**
1/4-1/2 **MANHATTAN, NY**
2446 ft.

Relative: **Equal**
Actual: **10 ft.**

LTANKS:

Spill Number: 0104060 — Region of Spill: 2
Spill Date: 07/17/2001 11:10 — Reported to Dept: 07/17/01 11:21
ID: Not reported — Date Call Received: Not reported
Material Spilled: Not reported — Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported — Spill Source: Private Dwelling
Tank Number: Not reported — Tank Size: Not reported
Test Method: Not reported — Leak Rate: Not reported

Spill Number: 0104060 — Region of Spill: 2
Spill Date: 07/17/01 — Reported to Dept: / /
ID: 50392 — Date Call Received: 07/17/01
Material Spilled: #2 FUEL OIL — Amount Spilled: 10 Gal.
Region Close Dt: 07/18/01
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported — Spill Source: PRIVATE DWELLING

(Continued) **S105135007**

Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported

Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
- PBS Number: Not reported
- Tank Number: Not reported
- Test Method: Not reported
- Capacity of Failed Tank: Not reported
- Leak Rate Failed Tank: Not reported
- Gross Leak Rate: Not reported

Material:
- Material Class Type: 1
- Quantity Spilled: 10
- Units: Gallons
- Unknown Qty Spilled: 10
- Quantity Recovered: 0
- Unknown Qty Recovered: False
- Material: #2 FUEL OIL
- Class Type: Petroleum
- Chem Abstract Service Number: #2 FUEL OIL
- Last Date: 12/07/1994
- Num Times Material Entry In File: 24464

DEC Remarks: Hole in tank caused spill onto basement floor. No sumps or drains impac ted. NYFD responded stopped leak and contained spill. Owner is Athena 718)271 8452. Remainder of oil cleaned from basement floor using absorb ents. Owner reports problem not due to hole in tank but a failed suction line. Repairs completed.

Spill Cause: spill from hole in tank onto basement floor. fd on scene attempting to p lug hole but still leaking

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
162 North 1/4-1/2 2506 ft.	**RED BALL INTERIOR DEMOLITION 625 WEST 29 STREET NEW YORK, NY 10001**	**SWF/LF**	**S106402577 N/A**

Relative: Higher

Actual: 13 ft.

LF:

Secondary Addr :	Not reported	Region Code :	2
Phone Number :	2125942931	Owner Name :	Not reported
Owner Type :	Not reported		
Owner Address :	Not reported Not reported 0		
Owner Email :	Not reported	Owner Phone :	0
Contact Name :	DANIEL PALMADESSA; PRESIDENT		
Contact Address :	Not reported Not reported Not reported		
Contact Email :	Not reported	Contact Phone :	Not reported
Activity Desc :	Transfer station - regulated		
Activity Number :	31T08		
Active :	No	Accuracy Code :	Not reported
North Coordinate :	0	East Coordinate :	0
Regulatory Status	Permit		
Waste Type :	Not reported		
Authorization # :	2-6205-00003	Authorization Date :	Not reported
Expiration Date :	12/31/1999		

AM163 East 1/4-1/2 2538 ft.	**255 WEST 23 RD STREET NEW YORK, NY**	**LTANKS**	**S105996663 N/A**

Site 1 of 2 in cluster AM

Relative: Equal

Actual: 10 ft.

LTANKS:

Spill Number:	0205799	Region of Spill:	2
Spill Date:	09/04/02	Reported to Dept:	/ /
ID:	37457	Date Call Received:	09/04/02
Material Spilled:	#6 FUEL OIL	Amount Spilled:	Unknown Gal.
Region Close Dt:	06/20/03		
Resource Affectd:	ON LAND		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		
Cleanup Meets Standard:	Not reported		
Recommended Penalty:	Not reported		
Spiller Cleanup Date:	/ /		
Enforcement Date:	/ /		

(Continued) **S105996663**

Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: Not reported
Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported
Num Times Material Entry In File: Not reported
DEC Remarks: Not reported
Spill Cause: Not reported

AM164 **LTANKS** **S105997474**
East **255 WEST 23RD ST** **N/A**
1/4-1/2 **MANHATTAN, NY**
2538 ft.

Site 2 of 2 in cluster AM

Relative:
Equal

Actual:
10 ft.

LTANKS:

Spill Number:	0209070	Region of Spill:	2
Spill Date:	12/04/02	Reported to Dept:	/ /
ID:	41303	Date Call Received:	12/04/02
Material Spilled:	#6 FUEL OIL	Amount Spilled:	30 Gal.
Region Close Dt:	Not closed		
Resource Affectd:	ON LAND		
Spill Cause:	TANK OVERFILL		
Water Affected:	Not reported	Spill Source:	PRIVATE DWELLING
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

(Continued) **S105997474**

Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: Not reported
Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported
Num Times Material Entry In File: Not reported
DEC Remarks: Not reported
Spill Cause: Not reported

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165 North 1/4-1/2 2607 ft. **D26TH ST. & HUDSON PKWY.** **26TH ST. / HUDSON PKWY.** **MANHATTAN, NY** **LTANKS** **S100494844** **N/A**

Relative: Higher

Actual: 11 ft.

LTANKS:
Spill Number: 9213648 Region of Spill: 2
Spill Date: 03/11/1993 07:00 Reported to Dept: 03/11/93 11:18
ID: Not reported Date Call Received: Not reported
Material Spilled: Not reported Amount Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: HUDSON RIVER Spill Source: Other Commercial/Industrial
Tank Number: Not reported Tank Size: Not reported
Test Method: Not reported Leak Rate: Not reported

Spill Number: 9213648 Region of Spill: 2
Spill Date: 03/11/93 Reported to Dept: / /
ID: 180667 Date Call Received: 03/11/93
Material Spilled: Not reported Amount Spilled: Not reported
Region Close Dt: 03/31/95
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: HUDSON RIVER Spill Source: OTHER COMM/INDUSTRIAL
Facility Contact: Not reported Facility Tele: Not reported

D26TH ST. & HUDSON PKWY. (Continued) **S100494844**

Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: Not reported
Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported
Num Times Material Entry In File: Not reported
DEC Remarks: / / : HANDLED BY UCSG. 10/10/95: This is additional information abou t material spilled from the translation of the old spill file: CONCRETE ADDITIVES
Spill Cause: U.S.C.G. TRIED TO CALL GRACE CONCRETE BUT COULD NOT GET PHONE NUMBER.

SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

166
NNE
1/4-1/2
2621 ft.

550 WEST 30TH STREET
MANHATTAN, NY

LTANKS **S104619635**
N/A

Relative:
Higher

Actual:
18 ft.

LTANKS:

Spill Number:	9805607	Region of Spill:	2
Spill Date:	08/05/1998 11:00	Reported to Dept:	08/05/98 14:18
ID:	Not reported	Date Call Received:	Not reported
Material Spilled:	Not reported	Amount Spilled:	Not reported
Region Close Dt:	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Test Failure		
Water Affected:	Not reported	Spill Source:	Private Dwelling
Tank Number:	Not reported	Tank Size:	Not reported
Test Method:	Not reported	Leak Rate:	Not reported

Spill Number:	9805607	Region of Spill:	2
Spill Date:	08/05/98	Reported to Dept:	/ /
ID:	263855	Date Call Received:	08/05/98
Material Spilled:	#2 FUEL OIL	Amount Spilled:	0 Gal.
Region Close Dt:	Not closed		
Resource Affectd:	ON LAND		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	PRIVATE DWELLING
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	Not reported	SWIS:	Not reported
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS:	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	Not reported		
Spiller Address:	Not reported		
Spill Class:	Not reported		
Spill Closed Dt:	/ /		
Spill Notifier:	Not reported	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /		

Cleanup Meets Standard:	Not reported
Recommended Penalty:	Not reported
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	Not reported
Spill Record Last Update:	/ /
Is Updated:	Not reported

Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:

PBS Number:	Not reported
Tank Number:	1
Test Method:	Horner EZ Check
Capacity of Failed Tank:	2000
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Talk Test Failures only pass or fail

Material:

(Continued) **S104619635**

Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: TANK TO BE EVACUATED, CLEANED, AND LINES TO BE TESTED.

Spill Number: 0303799
Region of Spill: 2
Spill Date: 07/10/03
Reported to Dept: / /
ID: 19899
Date Call Received: 07/10/03
Material Spilled: #2 FUEL OIL
Amount Spilled: 0 Gal.
Region Close Dt: 09/02/03
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Spill Source: OTHER COMM/INDUSTRIAL
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: Not reported
SWIS: Not reported
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS: 2-289728
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported
Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: Not reported

(Continued) **S104619635**

Quantity Spilled: Not reported
Units: Not reported
Unknown Qty Spilled: Not reported
Quantity Recovered: Not reported
Unknown Qty Recovered: Not reported
Material: Not reported
Class Type: Not reported
Chem Abstract Service Number: Not reported
Last Date: Not reported
Num Times Material Entry In File: Not reported
DEC Remarks: Not reported
Spill Cause: Not reported

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167 NE 1/4-1/2 2626 ft. **HELIPORT W 30TH ST/MANH HELIPORT/WEST 30TH STREET NEW YORK CITY, NY** **LTANKS** **S100145501 N/A**

Relative: Equal
Actual: 10 ft.

LTANKS:

Spill Number: 8903684
Spill Date: 07/13/1989 03:00
ID: Not reported
Material Spilled: Not reported
Region Close Dt: Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 07/13/89 04:32
Date Call Received: Not reported
Amount Spilled: Not reported
Spill Source: Other Commercial/Industrial
Tank Size: Not reported
Leak Rate: Not reported

Spill Number: 8903684
Spill Date: 07/13/89
ID: 131809
Material Spilled: JET FUEL
Region Close Dt: Not closed
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Facility Contact: Not reported
Investigator: Not reported
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS: 2-342211
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: / /
Spill Notifier: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: Not reported
Recommended Penalty: Not reported
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: Not reported

Region of Spill: 2
Reported to Dept: / /
Date Call Received: 07/13/89
Amount Spilled: -1 lbs.
Spill Source: OTHER COMM/INDUSTRIAL
Facility Tele: Not reported
SWIS: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

HELIPORT W 30TH ST/MANH (Continued) **S100145501**

Spill Record Last Update: / /
Is Updated: Not reported
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: / /
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: JET FUEL
Class Type: Petroleum
Chem Abstract Service Number: JET FUEL
Last Date: 07/28/1994
Num Times Material Entry In File: 1264
DEC Remarks: DEC SIGONA REASSIGNED TO MILLER ON 1/23/98
Spill Cause: 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.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MANHATTAN	S106704105	WEST 17TH STREET PROPERTY	445-149 WEST 16TH / 450-452	10011	VCP
MANHATTAN	S102673112	308 WEST 18TH ST	308 WEST 18TH ST	10011	LTANKS
MANHATTAN	S106383447	BETW. 9TH/10TH AVE.	446 WEST 19TH ST.	10011	NY Spills
MANHATTAN	S106630492	NYCDOS W 30TH ST RECYCLING FACILIT	WEST 30TH ST / W SIDE HGWY (	10001	SWRCY
MANHATTAN	S105838150	NYCDOS W 30TH ST RECYCLING FACILIT	WEST 30TH ST / W SIDE HGWY (	10001	SWF/LF
MANHATTAN	S106704103	17TH STREET DEVELOPMENT PROJECT	76 11TH AVENUE	10011	VCP
MANHATTAN	S106122214	PROPOSED FEDERAL EXPRESS DISTRIBUT	BETWEEN 17TH / 18TH STREETS	10011	VCP
MANHATTEN	S106124082	652 HUDSON ST	652 HUDSON STREET	10014	LTANKS
NEW YORK	S105684671	CON EDISON - EAST 11TH ST. WORKS M	EAST 11TH - EAST 13TH STS.		VCP
NEW YORK	1007112712	NYCDOT BIN 2245010	11TH AVE VIADUCT OVER LIRR YD	10001	RCRA-LQG
NEW YORK	S103938626	TRANSFORMER MANHOLE 2383	SOUTH 11TH ST/WYTHE AVE		NY Spills
NEW YORK	S103573589	PIER 63	12TH AVE 23RD ST		NY Spills
NEW YORK	8866164	14TH ST AND 8TH AVE, 8TH AVE SUBWA	14TH ST AND 8TH AVE, 8TH AVE S		ERNS
NEW YORK	S102145749	14TH ST BETW AVES C & D	14TH ST BETW AVES C / D		NY Spills
NEW YORK	S102144203	METHANE ODORS/15 RD. BROA	15TH RD. BROAD CHANNEL		NY Spills
NEW YORK	S106016651	MANHOLE 00372	15TH STREET NORTH SIDE		NY Spills
NEW YORK	S103568835	EAST RIVER	EAST 15TH STREET		NY Spills
NEW YORK	S106698525	MANHOLE #2767	E 15TH ST / AVE C		NY Spills
NEW YORK	S105058424	HUDSON DEPOT	WEST 15THST 11TH AAVE		NY Spills
NEW YORK	S105684667	CON EDISON - WEST 18TH ST. GAS WOR	WEST 16TH - WEST 20TH STS.		VCP
NEW YORK	S102671109	CONED CONEY IS OIL IN LOT	WEST 16TH ST. / HART PLACE		NY Spills
NEW YORK	S106698512	MANHOLE #2976	E 16TH / AVE C		NY Spills
NEW YORK	S106698527	MANHOLE #56194	E 16TH ST / AVE C		NY Spills
NEW YORK	S106698528	MANHOLE #2975	E 16TH / AVE C		NY Spills
NEW YORK	S104653231	MANHOLE #51527	16TH ST CABLE PLANT		NY Spills
NEW YORK	S104653232	PUMP HOUSE #2	E 16TH ST YARD		NY Spills
NEW YORK	S106127254	CONSTRUCTION SITE	438 WEST 19TH STREET	10011	NY Spills
NEW YORK	S106125543	CONSTRUCTION SITE	438 WEST 19TH STREET		NY Spills
NEW YORK	S105684672	CON EDISON - EAST 21ST ST. WORKS M	EAST 20TH - EAST 22ND STS.		VCP
NEW YORK	S102144845	21ST DR/BETWEEN 21ST ST &	21ST DRIVE/BETW 21 / 19 STS		NY Spills
NEW YORK	S104648337		21ST AVE / STEINWAY ST		NY Spills
NEW YORK	S106700793	23RD ST & FDR DR	23RD ST / FDR DR		NY Spills
NEW YORK	94396375	WEST 23RD ST AND HUDSON R	WEST 23RD ST AND HUDSON R		ERNS
NEW YORK	1007205396	CON ED - V 6408	W 25TH ST	10001	RCRA-SQG

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-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.
D008	LEAD
D009	MERCURY
D011	SILVER
D018	BENZENE

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.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
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: 12/14/04
Date Made Active at EDR: 02/03/05
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/01/05
Elapsed ASTM days: 2
Date of Last EDR Contact: 02/01/05

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 6
Telephone: 214-655-6659

EPA Region 8
Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 12/14/04
Date Made Active at EDR: 02/03/05
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/01/05
Elapsed ASTM days: 2
Date of Last EDR Contact: 02/01/05

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
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: 12/14/04
Date Made Active at EDR: 02/08/05
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 12/21/04
Elapsed ASTM days: 49
Date of Last EDR Contact: 12/21/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 12/14/04
Date Made Active at EDR: 02/08/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/21/04
Elapsed ASTM days: 49
Date of Last EDR Contact: 12/21/04

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/23/04
Date Made Active at EDR: 11/18/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/07/04
Elapsed ASTM days: 42
Date of Last EDR Contact: 12/07/04

RCRA: Resource Conservation and Recovery Act Information
Source: EPA
Telephone: 800-424-9346
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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 11/23/04
Date Made Active at EDR: 01/18/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 11/24/04
Elapsed ASTM days: 55
Date of Last EDR Contact: 11/24/04

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 10/25/04

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
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.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 12/13/04
Date of Next Scheduled EDR Contact: 03/14/05

CONSENT: Superfund (CERCLA) Consent Decrees
Source: Department of Justice, Consent Decree Library
Telephone: Varies
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: 03/05/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
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: 09/09/04
Database Release Frequency: Annually

Date of Last EDR Contact: 01/05/05
Date of Next Scheduled EDR Contact: 04/04/05

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: N/A
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: 12/14/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/01/05
Date of Next Scheduled EDR Contact: 05/02/05

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/09/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/03/05
Date of Next Scheduled EDR Contact: 04/04/05

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/08/04
Database Release Frequency: Annually

Date of Last EDR Contact: 10/28/04
Date of Next Scheduled EDR Contact: 01/17/05

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
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: 11/30/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/03/05
Date of Next Scheduled EDR Contact: 04/04/05

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 09/13/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/28/04
Date of Next Scheduled EDR Contact: 03/28/05

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 11/22/04
Date of Next Scheduled EDR Contact: 02/21/05

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
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: 09/30/04
Database Release Frequency: Annually
Date of Last EDR Contact: 11/12/04
Date of Next Scheduled EDR Contact: 02/07/05

DOD: Department of Defense Sites
Source: USGS
Telephone: 703-692-8801
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: 10/01/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 11/12/04
Date of Next Scheduled EDR Contact: 02/07/05

UMTRA: Uranium Mill Tailings Sites
Source: Department of Energy
Telephone: 505-845-0011
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. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04
Database Release Frequency: Varies
Date of Last EDR Contact: 12/21/04
Date of Next Scheduled EDR Contact: 03/21/05

ODI: Open Dump Inventory
Source: Environmental Protection Agency
Telephone: 800-424-9346
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: 06/30/85
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 05/23/95
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
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: 12/31/03
Database Release Frequency: Varies
Date of Last EDR Contact: 01/03/05
Date of Next Scheduled EDR Contact: 04/04/05

INDIAN RESERV: Indian Reservations
Source: USGS
Telephone: 202-208-3710
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: 10/01/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 11/12/04
Date of Next Scheduled EDR Contact: 02/07/05

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
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: 04/17/95
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 12/06/04
Date of Next Scheduled EDR Contact: 03/07/05

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
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: 12/31/02
Database Release Frequency: Annually
Date of Last EDR Contact: 12/20/04
Date of Next Scheduled EDR Contact: 03/21/05

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
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: 12/31/02
Database Release Frequency: Every 4 Years
Date of Last EDR Contact: 12/06/04
Date of Next Scheduled EDR Contact: 03/07/05

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly
Date of Last EDR Contact: 12/01/04
Date of Next Scheduled EDR Contact: 03/21/05

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-5008
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: 12/31/03
Database Release Frequency: Annually
Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 04/18/05

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
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: 09/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/01/04
Date of Next Scheduled EDR Contact: 03/21/05

STATE OF NEW YORK ASTM STANDARD RECORDS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State
Source: Department of Environmental Conservation
Telephone: 518-402-9622
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/01/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 02/27/04
Elapsed ASTM days: 14
Date of Last EDR Contact: 11/23/04

SWF/LF: Facility Register
Source: Department of Environmental Conservation
Telephone: 518-457-2051
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: 11/01/04
Date Made Active at EDR: 11/29/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/01/04
Elapsed ASTM days: 28
Date of Last EDR Contact: 11/01/04

LTANKS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
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: 11/15/04
Date Made Active at EDR: 01/31/05
Database Release Frequency: Varies

Date of Data Arrival at EDR: 12/06/04
Elapsed ASTM days: 56
Date of Last EDR Contact: 01/25/05

UST: Petroleum Bulk Storage (PBS) Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 10/25/04

CBS UST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 10/25/04

MOSF UST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: Varies
Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 10/25/04

VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
The voluntary remedial program uses private monies to get contaminated sites r emediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

Date of Government Version: 12/17/04
Date Made Active at EDR: 01/31/05
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 12/17/04
Elapsed ASTM days: 45
Date of Last EDR Contact: 12/14/04

SWRCY: Registered Recycling Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8705
A listing of recycling facilities.

Date of Government Version: 11/15/04
Date Made Active at EDR: 12/15/04
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 11/15/04
Elapsed ASTM days: 30
Date of Last EDR Contact: 11/15/04

SWTIRE: Registered Waste Tire Storage & Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8694

Date of Government Version: 04/01/04
Date Made Active at EDR: 06/25/04
Database Release Frequency: Annually
Date of Data Arrival at EDR: 05/19/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 11/18/04

STATE OF NEW YORK ASTM SUPPLEMENTAL RECORDS

HSWDS: Hazardous Substance Waste Disposal Site Inventory
Source: Department of Environmental Conservation
Telephone: 518-402-9564
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: 09/01/02
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

AST: Petroleum Bulk Storage
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/02
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

CBS AST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
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: 01/01/02
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

MOSF AST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/02
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

SPILLS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
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: 11/15/04
Database Release Frequency: Varies
Date of Last EDR Contact: 01/25/05
Date of Next Scheduled EDR Contact: 04/25/05

DEL SHWS: Delisted Registry Sites
Source: Department of Environmental Conservation
Telephone: 518-402-9622
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 04/01/04
Database Release Frequency: Annually
Date of Last EDR Contact: 11/23/04
Date of Next Scheduled EDR Contact: 02/21/05

DRYCLEANERS: Registered Drycleaners
Source: Department of Environmental Conservation
Telephone: 518-402-8403
A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/04
Database Release Frequency: Varies
Date of Last EDR Contact: 05/21/04
Date of Next Scheduled EDR Contact: N/A

SPDES: State Pollutant Discharge Elimination System
Source: Department of Environmental Conservation
Telephone: 518-402-8233
New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 09/23/04
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 11/10/04
Date of Next Scheduled EDR Contact: 02/07/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AIRS: Air Emissions Data
Source: Department of Environmental Conservation
Telephone: 518-402-8452

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 12/06/04
Date of Next Scheduled EDR Contact: 02/21/05

LOCAL RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 10/07/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

Cortland County Storage Tank Listing
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 10/07/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

NASSAU COUNTY:

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 05/21/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/01/04
Date of Next Scheduled EDR Contact: 01/31/05

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 05/21/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/01/04
Date of Next Scheduled EDR Contact: 01/31/05

Storage Tank Database
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000

Date of Government Version: 05/25/04
Database Release Frequency: Varies

Date of Last EDR Contact: 11/08/04
Date of Next Scheduled EDR Contact: 02/07/05

Storage Tank Database
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000

Date of Government Version: 05/25/04
Database Release Frequency: Varies

Date of Last EDR Contact: 11/08/04
Date of Next Scheduled EDR Contact: 02/07/05

ROCKLAND COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Petroleum Bulk Storage Database
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 10/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/03/05
Date of Next Scheduled EDR Contact: 04/04/05

Petroleum Bulk Storage Database
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 10/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/03/05
Date of Next Scheduled EDR Contact: 04/04/05

SUFFOLK COUNTY:

Storage Tank Database
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

Date of Government Version: 04/16/04
Database Release Frequency: Annually

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

Storage Tank Database
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

Date of Government Version: 04/16/04
Database Release Frequency: Annually

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

WESTCHESTER COUNTY:

Listing of Storage Tanks
Source: Westchester County Department of Health
Telephone: 914-813-5161
Listing of underground storage tanks in Westchester County.

Date of Government Version: 08/16/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/13/04
Date of Next Scheduled EDR Contact: 02/28/05

Listing of Storage Tanks
Source: Westchester County Department of Health
Telephone: 914-813-5161
Listing of aboveground storage tanks in Westchester County.

Date of Government Version: 08/16/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/13/04
Date of Next Scheduled EDR Contact: 02/28/05

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS DATABASES

Brownfields: Brownfields Site List
Source: Department of Environmental Conservation
Telephone: 518-402-9764

Date of Government Version: 12/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/14/04
Date of Next Scheduled EDR Contact: 03/14/05

VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
The voluntary remedial program uses private monies to get contaminated sites r emediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

Date of Government Version: 12/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/14/04
Date of Next Scheduled EDR Contact: 03/14/05

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

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: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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.

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 1999 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 from the U.S. Fish and Wildlife Service.

New York State Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961
Coverages are based on official New York State Freshwater Wetlands Maps as described in Article 24-0301 of the Environmental Conservation Law.

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

532 WEST 20TH ST
532 WEST 20TH ST
NEW YORK, NY 10011

TARGET PROPERTY COORDINATES

Latitude (North):	40.746105 - 40' 44' 46.0"
Longitude (West):	74.006248 - 74' 0' 22.5"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	583899.0
UTM Y (Meters):	4510836.5
Elevation:	10 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle 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. 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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

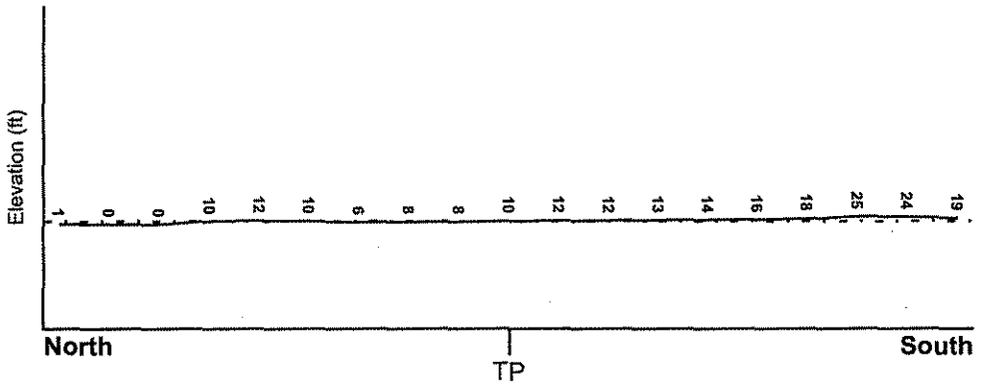
TOPOGRAPHIC INFORMATION

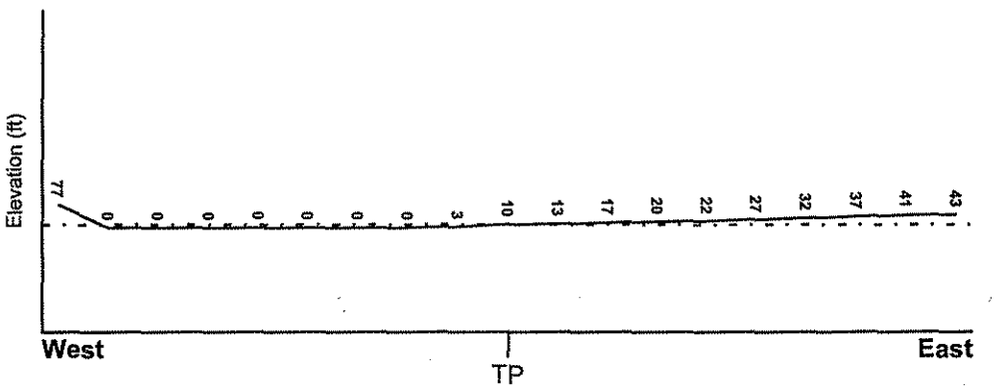
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map:	40074-F1 JERSEY CITY, NJ NY
General Topographic Gradient:	General WNW
Source:	USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 10 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' 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.

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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

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	FEMA Flood Electronic Data
NEW YORK, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	3604970038B
Additional Panels in search area:	3604970030B 3604970039B 3604970046B 3604970047B 3402280001B 3402220001B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
JERSEY CITY	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 ENE
Site Name:	MANHATTAN GENERAL MAIL FACILITY
Site EPA ID Number:	NY6180000352
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)

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

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:	Ordovicias
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

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:	loamy sand silt loam sandy loam fine sandy loam
Surficial Soil Types:	loamy sand silt loam sandy loam fine sandy loam
Shallow Soil Types:	sandy loam
Deeper Soil Types:	very gravelly - loamy sand unweathered bedrock stratified sandy loam

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS0771868	1/4 - 1/2 Mile NNE
2	USGS0771835	1/4 - 1/2 Mile NNE
3	USGS0771867	1/4 - 1/2 Mile South
4	USGS0771866	1/2 - 1 Mile SSE
5	USGS0771870	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
6	USGS0771865	1/2 - 1 Mile South
A7	USGS0771864	1/2 - 1 Mile SSW
A8	USGS0771863	1/2 - 1 Mile SSW
9	USGS0771888	1/2 - 1 Mile NNE
10	USGS0771836	1/2 - 1 Mile NNE
B11	USGS0771899	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

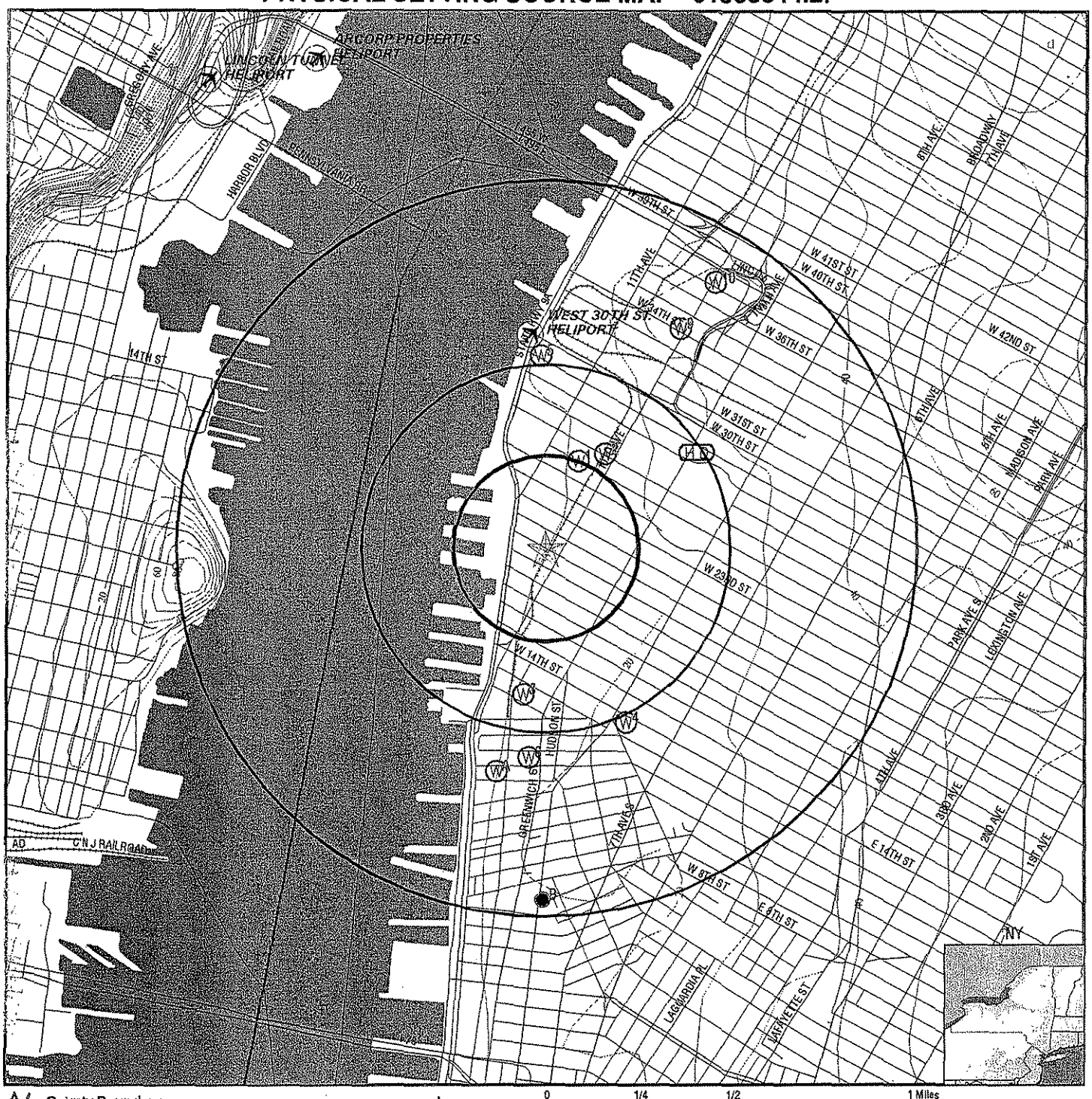
MAP ID	WELL ID.	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 01358844.2r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

0 1/4 1/2 1 Miles

- Groundwater Flow Direction
- (GI) Indeterminate Groundwater Flow at Location
- (GV) Groundwater Flow Varies at Location
- (HD) Closest Hydrogeological Data

TARGET PROPERTY:	532 West 20th St	CUSTOMER:	Roux Associates
ADDRESS:	532 West 20th St	CONTACT:	Bill Holubowich
CITY/STATE/ZIP:	New York NY 10011	INQUIRY #:	01358844.2r
LAT/LONG:	40.7461 / 74.0062	DATE:	February 11, 2005 8:19 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **NNE** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS0771868**

Agency:	USGS	Site ID:	404458074001801
Site Name:	NY 154		
Dec. Latitude:	40.74955		
Dec. Longitude:	-74.00458		
Coord Sys:	NAD83		
State:	NY		
County:	New York County		
Altitude:	10		
Hydrologic code:	Not Reported		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112SAND		
Aquifer type:	Not Reported		
Well depth:	63		
Hole depth:	Not Reported	Source:	driller
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

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2 **NNE** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS0771835**

Agency:	USGS	Site ID:	404459074001301
Site Name:	NY 176		
Dec. Latitude:	40.74982		
Dec. Longitude:	-74.0032		
Coord Sys:	NAD83		
State:	NY		
County:	New York County		
Altitude:	13.25		
Hydrologic code:	Not Reported		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	19990902	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported		
Well depth:	596.30		
Hole depth:	Not Reported	Source:	owner
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-10-09		3.54	2002-06-25		3.48
2002-04-03		4.09	2002-01-09		4.00

Map ID Direction Distance Elevation	Database	EDR ID Number
3 **South** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS0771867**

Agency:	USGS	Site ID:	404425074002801
Site Name:	NY 96		
Dec. Latitude:	40.74038		
Dec. Longitude:	-74.00736		
Coord Sys:	NAD83		
State:	NY		
County:	New York County		
Altitude:	10		
Hydrologic code:	Not Reported		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112SAND		
Aquifer type:	Not Reported		
Well depth:	33		
Hole depth:	Not Reported	Source:	other reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

---

4 **SSE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS0771866**

Agency:	USGS	Site ID:	404421074000901
Site Name:	NY 117		
Dec. Latitude:	40.73927		
Dec. Longitude:	-74.00208		
Coord Sys:	NAD83		
State:	NY		
County:	New York County		
Altitude:	25		
Hydrologic code:	Not Reported		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112SAND		
Aquifer type:	Not Reported		
Well depth:	39		
Hole depth:	40	Source:	driller
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

---

5 **North** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS0771870**

Agency:	USGS	Site ID:	404513074002501
Site Name:	NY 83		
Dec. Latitude:	40.75371		
Dec. Longitude:	-74.00653		
Coord Sys:	NAD83		
State:	NY		
County:	New York County		
Altitude:	10		
Hydrologic code:	Not Reported		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112SDGV		
Aquifer type:	Not Reported		
Well depth:	25		
Hole depth:	Not Reported	Source:	other reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

6
South
1/2 - 1 Mile
Higher

FED USGS **USGS0771865**

Agency:	USGS	Site ID:	404416074002701
Site Name:	NY 33		
Dec. Latitude:	40.73788		
Dec. Longitude:	-74.00708		
Coord Sys:	NAD83		
State:	NY		
County:	New York County		
Altitude:	15		
Hydrologic code:	Not Reported		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112SAND		
Aquifer type:	Not Reported		
Well depth:	40		
Hole depth:	Not Reported	Source:	other reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

A7
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS0771864**

Agency:	USGS	Site ID:	404415074003201
Site Name:	NY 166		
Dec. Latitude:	40.7376		
Dec. Longitude:	-74.00847		
Coord Sys:	NAD83		
State:	NY		
County:	New York County		
Altitude:	10		
Hydrologic code:	Not Reported		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112PLSC		
Aquifer type:	Not Reported		
Well depth:	40		
Hole depth:	Not Reported	Source:	other reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

A8
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS0771863**

Agency:	USGS	Site ID:	404413074003401
Site Name:	NY 62		
Dec. Latitude:	40.73705		
Dec. Longitude:	-74.00903		
Coord Sys:	NAD83		
State:	NY		
County:	New York County		
Altitude:	10		
Hydrologic code:	Not Reported		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112SAND		
Aquifer type:	Not Reported		
Well depth:	90		
Hole depth:	Not Reported	Source:	other reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

9
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS0771888**

Agency:	USGS	Site ID:	404516073595901
Site Name:	NY 168		
Dec. Latitude:	40.75479		
Dec. Longitude:	-73.99931		
Coord Sys:	NAD83		
State:	NY		
County:	New York County		
Altitude:	40.27		
Hydrologic code:	Not Reported		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported		
Well depth:	625.70		
Hole depth:	Not Reported	Source:	owner
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

10
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS0771836**

Agency:	USGS	Site ID:	404523073595201
Site Name:	NY 191		
Dec. Latitude:	40.75659		
Dec. Longitude:	-73.99751		
Coord Sys:	NAD83		
State:	NY		
County:	New York County		
Altitude:	41.32		
Hydrologic code:	Not Reported		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported		
Well depth:	651.41		
Hole depth:	Not Reported	Source:	owner
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

B11
South
1/2 - 1 Mile
Higher

FED USGS **USGS0771899**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	404356074002401
Site Name:	NY 199		
Dec. Latitude:	40.73232		
Dec. Longitude:	-74.00625		
Coord Sys:	NAD83		
State:	NY		
County:	New York County		
Altitude:	20.87		
Hydrologic code:	Not Reported		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	BEDROCK		
Aquifer type:	Not Reported		
Well depth:	644.77		
Hole depth:	Not Reported	Source:	owner
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-10-09		0.97	2002-06-25		0.79
2002-04-03		0.68	2002-01-09		0.80

B12
South
1/2 - 1 Mile
Higher

Site ID:	16311	**AQUIFLOW**	**4531**
Groundwater Flow:	NOT REPORTED		
Water Table Depth:	4.96-5.92		
Date:	10/01/92		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

Zip	Num Sites	< 4 Pci/L	>= 4 Pci/L	>= 20 Pci/L	Avg > 4 Pci/L	Max Pci/L
10011	8	7 (87.5%)	1 (12.5%)	0 (0%)	1.61	4.7

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. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 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 from the U.S. Fish and Wildlife Service.

New York State Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961
Coverages are based on official New York State Freshwater Wetlands Maps as described in Article 24-0301 of the Environmental Conservation Law.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] 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.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

New York Facility and Manifest Data
Source: NYSDEC
Telephone: 518-457-6585
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

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

March 16, 2006

PHASE II SUBSURFACE INVESTIGATION

547-549 West 21st Street
New York, New York

Prepared for

551 DEVELOPMENT, LLC
460 Park Avenue
22nd Floor
New York, New York 10022

ROUX ASSOCIATES, INC.

Environmental Consulting & Management

ROUX

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1. Site Location Map
2. Sample Location Map

APPENDICES

A. Soil Boring Logs
B. Chains of Custody
C. Laboratory Reports

EXECUTIVE SUMMARY

At the request of 551 Development, LLC, Roux Associates, Inc. conducted a Phase II subsurface investigation of the property located at 547-549 West 21st Street in New York, New York (Block 693, Lot 8 [the Site]). In a January 13, 2006 letter, the New York City Department of Environmental Protection (NYCDEP) required that a Phase II investigation be performed at the Site. The investigation was performed to satisfy the requirements for an environmental investigation related the E-designation (E-142) as part of the West Chelsea Re-zoning. The Phase II subsurface investigation involved the collection and analysis of soil and groundwater samples from the Site, and an evaluation of the environmental quality of the soil and groundwater beneath the Site based on a review of the laboratory analyses. The Phase II subsurface investigation was conducted on February 15 and 24, 2006.

A total of six soil samples and one groundwater sample were collected from the Site and analyzed for volatile organic compounds (VOCs) using USEPA Method 8260, semi-volatile organic compounds (SVOCs) using USEPA Method 8270, and Resource Conservation and Target Analyte List (TAL) metals.

A review of the laboratory results of the Phase II Subsurface Investigation did not indicate the presence of significant concentrations of VOCs, SVOCs, or metals in soil or groundwater beneath the Site.

No VOCs were identified in the soil or groundwater samples above their respective regulatory standards. Slightly elevated detections of several SVOCs above their respective regulatory standards were identified in the soil and groundwater. The elevated detections of SVOCs in soil are indicative of background levels in historical urban fill in areas with a history of industrial and commercial operations. Slightly elevated detections of metals were identified in the soil. Only two elevated metals were detected in the groundwater sample. The elevated detections of metals are typically observed in historic fill in urban areas with a history of industrial and commercial operations. Roux Associates recommends no further environmental investigation of the Site.

1.0 INTRODUCTION

At the request of 551 Development, LLC, Roux Associates, Inc. conducted a Phase II subsurface investigation of the property located at 547-549 West 21st Street in New York, New York (Block 693, Lot 8 [the Site]). In a January 13, 2006 letter, the New York City Department of Environmental Protection (NYCDEP) required that a Phase II investigation be performed at the Site. The investigation was performed to satisfy the requirements for an environmental investigation related to the E-designation (E-142) as part of the West Chelsea Re-zoning. The Phase II subsurface investigation involved the collection and analysis of soil and groundwater samples from the Site and an evaluation of the environmental quality of the soil and groundwater beneath the Site based on a review of the laboratory analyses. The Phase II subsurface investigation was conducted on February 15 and 24, 2006.

1.1 Objective of the Investigation

The objective of the Phase II subsurface investigation was to evaluate soil and groundwater quality beneath the Site. To develop the scope of work, Roux Associates reviewed a Phase I Environmental Site Assessment (ESA) report prepared by Roux Associates dated March 28, 2005. Based on a review of the information in the Phase I ESA report, the Site is likely to be underlain by historic urban fill material of undocumented origin, and the Site was previously utilized as a cabinet factory, smelting and foundry operation, and a car and truck body repair shop, prior to its uses as a theater/cabaret and, most recently, as an art gallery.

1.2 Site Description

The Site is located toward the northwest end of West 21st Street between 10th and 11th Avenues in the Chelsea section of New York City, New York. The Site consists of a one-story building on slab, approximately 50-feet wide by 100-feet long (approximately 5,000 square feet in area). At the time of the Phase II subsurface investigation, the Site was being used as an art gallery. Two lavatories are located in the northwest corner of the building and a partial mezzanine constructed of steel is located in the southeast section of the building. Property uses in the vicinity of the Site have included commercial operations such as parking garages, repair shops, and warehouses. The Site is also located one block north of a former manufactured gas plant facility.

The property immediately next door to the west (551 West 21st Street) was the subject of a Phase I Environmental Site Assessment (Hydro-Tech Environmental Corporation, 2004) and a Phase II Subsurface Investigation (Roux Associates, 2004). The property at 551 West 21st Street contains one 15,000 square foot 4-story brick commercial building, which is to be demolished as part of a planned residential re-development that will include the 547-549 West 21st Street parcel. The proposed Site redevelopment includes demolition of the existing buildings, excavation to a depth of approximately 11 feet below land surface (ft bls), and construction of a 21-story residential structure with a basement level. The building will include residential condominiums and an Art Gallery. The Site will include a health club and parking as accessory to the residences.

2.0 METHODS OF INVESTIGATION

The methods used to survey the Site, and collect, screen, transport, and analyze the soil and groundwater samples are discussed in the following sections.

2.1 Geophysical Investigation

Roux Associates subcontracted Naeva Geophysics, Inc. (Naeva) to conduct a non-intrusive subsurface survey (geophysical investigation) prior to the drilling of soil borings. The geophysical investigation was conducted on February 15, 2005 and utilized a GSSI SIR-2000 ground penetrating radar (GPR) controller unit with a high frequency, high resolution 500 megahertz (MHz) transducer. Since the electrical properties of metal are distinctly different from soil and backfill materials, metallic tanks and pipes can be identified. Fiberglass, plastic, and concrete structures are also definable but with less distinction. The GPR system produces cross-sectional images of subsurface features and layers, which are displayed on a video monitor in real time. Based on the results of the GPR survey, no underground storage tanks were identified. In addition, all potential underground utility lines (i.e., gas, water, sewer, electric, telephone, cable, fiber optic, etc.) were marked out prior to the soil drilling activities.

2.2 Soil Investigation

In accordance with the procedures described in Roux Associates Phase II proposal dated February 13, 2006, three soil borings were installed at the Site. The soil borings were installed using Geoprobe™ 54 LT mobile drilling unit utilizing direct push technology. The soil borings were completed to a depth of eight feet below the top of the interior slab of the building. Two soil samples were collected from each soil boring at 4-foot intervals (0 to 4 feet and 4 to 8 feet below the top of the interior slab) for a total of six soil samples. Each soil sample was examined for suspect physical characteristics (i.e., odor, sheen, staining) and was screened in the field for volatile organic compounds (VOCs) with a photoionization detector (PID). The six soil samples were submitted for laboratory analyses (see Section 2.4). Soil boring logs are included in Appendix A.

2.3 Groundwater Investigation

In accordance with the procedures described in Roux Associates' Phase II proposal dated February 13, 2006, one groundwater sample was collected during the Phase II investigation. The

sampling method involved advancing a Screen Point 15 Groundwater Sampler to 10 feet below the top of the interior slab using a Geoprobe™ drive unit. The Screen Point 15 Sampler uses a 4-foot-long by 1-inch diameter stainless steel wire-wrapped screen with a slot opening of 0.004 inches. The screen was sealed inside a 1.5-inch inside-diameter steel sheath with Neoprene O-rings and a disposable drive point. The O-rings prevent infiltration of formation fluids until the desired depth is attained. Once the desired sampling depth was reached, the screen was released using an extension rod and the drilling rods retracted to expose a four foot section of the screen to the formation at 8 feet to 12 feet. Using a peristaltic pump and disposable polyethylene tubing, the screen point was purged of approximately three volumes of water prior to the collection of a groundwater sample. The groundwater sample was collected unfiltered at a low flow rate of 150 milliliters per minute from the same tubing used for purging directly into the laboratory sample bottles. No suspect physical characteristics associated with the groundwater were noted during the groundwater sample collection activities.

The depth to groundwater beneath the top of the interior slab was 8 feet.

2.4 Laboratory Analyses

The soil samples and groundwater sample were stored on ice in a cooler at 4º Celsius and transported under chain of custody procedures to Severn Trent Laboratories (STL) in Shelton, Connecticut. STL is a New York State Department of Health (NYSDOH) approved environmental laboratory. The soil and groundwater samples were analyzed for VOCs using USEPA Method 8260, semi-volatile organic compounds (SVOCs) using USEPA Method 8270, and TAL metals. A separate groundwater sample was filtered at the laboratory and analyzed for TAL metals. Copies of the Chain of Custody forms are provided in Appendix B. Copies of the laboratory reports are provided in Appendix C.

A summary of the samples collected, the depths at which they were collected (feet below land surface [ft bls]), their respective PID readings expressed in parts per million (ppm), and analyses performed are summarized below:

Soil Samples

Designation	Depth (ft bls)	PID (ppm)	Analyses
S-1 (0-4)	0 – 4	0.0	VOCs, SVOCs, TAL Metals
S-1 (4-8)	4 - 8	0.1	VOCs, SVOCs, TAL Metals
S-2 (0-4)	0 - 4	0.0	VOCs, SVOCs, TAL Metals
S-2 (4-8)	4 - 8	0.1	VOCs, SVOCs, TAL Metals
S-3 (0-4)	0 - 4	5.4	VOCs, SVOCs, TAL Metals
S-3 (4-8)	4 - 8	16.0	VOCs, SVOCs, TAL Metals

Groundwater Sample

Designation	Depth (ft bls)	Analyses
GW-1	8 – 12	VOCs, SVOCs, TAL Metals (filtered and unfiltered)

3.0 RESULTS

The laboratory results for the soil analyses were compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) Recommended Soil Cleanup Objectives (RSCOs). The laboratory results for the groundwater analyses were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQSGVs). The results of the laboratory analyses are provided in Tables 1 through 6 and are summarized below.

3.1 VOCs in Soil

VOCs were not identified in any of the soil samples in concentrations exceeding the NYSDEC RSCOs (Table 1).

3.2 SVOCs in Soil

Seven SVOCs were detected in the soil samples in concentrations above their respective NYSDEC RSCOs (Table 2). All of the SVOCs belong to a subgroup of compounds known as polycyclic aromatic hydrocarbons (PAHs), including: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene. The highest concentrations of PAHs were observed in Soil Boring S-2 (0 to 4 ft bls). Only benzo(a)pyrene was detected above the RSCO in Soil Boring S-1 (4 to 8 ft bls) at a concentration of 120 micrograms per kilogram (ug/kg) (estimated concentration) and in S-3 at 140 ug/kg (estimated concentration) compared to a RSCO of 61 ug/kg. In none of the soil samples did the total SVOC concentration exceed the NYSDEC RSCO of 500 parts per million total SVOCs.

PAHs are typically found in urban fill material, are common combustion by-products, and are also associated with petroleum fuels, coal products, and tar or asphalt. The detection of these compounds in the soil samples is consistent with the location of the Site in an urban area consisting of underlying historical urban fill and does not necessarily indicate that a continuing source of PAH is present onsite.

3.3 Metals in Soil

Several metals were detected in the soil samples in concentrations above their respective NYSDEC RSCOs (Table 3). The metals included arsenic, barium, calcium, chromium copper, iron, lead, magnesium, mercury, nickel, and zinc. The lead was detected above its NYSDEC RSCO in only one of the six soil samples at a concentration of 743 milligram per kilogram (mg/kg) compared to a RSCO of 500 mg/kg. The metals in the soil are typical of historical fill in urban and industrialized areas and are likely reflective of area background levels.

3.4 VOCs in Groundwater

VOCs were not identified in the groundwater sample in concentrations exceeding the NYSDEC AWQSGVs (Table 4).

3.5 SVOCs in Groundwater

Five PAHs, including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were detected at low estimated concentrations (maximum of 3 micrograms per liter [µg/L] above NYSDEC AWQSGVs in the groundwater sample (Table 5). These low-level detections were likely due to excess turbidity in the groundwater samples since they were obtained using a Geoprobe, and not from fully developed wells.

3.6 Metals in Groundwater

Only two metals, manganese and sodium, were detected in the filtered groundwater sample above their respective NYSDEC AWQSGVs (Table 6).

4.0 SUMMARY AND CONCLUSIONS

A review of the results of the Phase II Subsurface Investigation did not indicate the presence of significant concentrations of VOCs, SVOCs, or metals in soil or groundwater beneath the Site.

No VOCs were identified in the soil or groundwater samples above their respective regulatory standards. Slightly elevated detections of several SVOCs above their respective regulatory standards were identified in the soil and groundwater. Slightly elevated detections of metals were identified in the soil. Only two elevated metals were detected in the groundwater sample. The elevated detections of SVOCs and metals in the soil are indicative of background levels in historical urban fill in areas with a history of industrial and commercial operations. Roux Associates concludes that the soil and groundwater beneath the Site is not significantly impacted and no further investigation or remediation is warranted.

5.0 REPORT LIMITATIONS

This report, including the exhibits attached thereto, describes the results of Roux Associates' Phase II investigation to identify the presence of recognized environmental conditions at the subject property. The conclusions and recommendations stated herein represent the application of a variety of technical disciplines to material facts and conditions associated with the subject property. Many of these facts and conditions are subject to change over time; accordingly, the conclusions and recommendations must be considered with this context.

Roux Associates has performed this environmental investigation in a professional manner using that degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. There is no warranty, expressed or implied, that the user of this environmental assessment and report will qualify for the Innocent Landowner Defense as provided through the Superfund Amendments and Reauthorization Act.

Roux Associates shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time the evaluation was performed.

Roux Associates, its officers, and its employees have no present or contemplated interest in the property or the parties involved. Our employment and compensation for preparing this report are not contingent upon any action or event resulting from analyses, observations, findings, opinions, or conclusions in or from the use of this report.

This environmental assessment and report is not an appraisal or property value judgment. Roux Associates will not be held liable for any use of the assessment and report that results in property value loss or gain.

The report has been prepared for the exclusive use of the client named herein (555 Development, LLC) for specific application to the proposed project covered in this study. Any third party use of this report, beyond that of the parties named herein, is the responsibility of the client per the terms and conditions of the applicable contractual agreements between Roux Associates and the client.

Respectfully submitted,

ROUX ASSOCIATES, INC.

William J. Holubowich,
Senior Scientist

Nathan Epler, Ph.D.
Principal Hydrogeologist

Table 1. Summary of Volatile Organic Compounds in Soil, 551 West 21st Street, New York, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	S-1 02/24/06 0-4	S-1 02/24/06 4-8	S-2 02/24/06 0-4	S-2 02/24/06 4-8	S-3 02/24/06 0-4	S-3 02/24/06 4-8
1,1,1-Trichloroethane	800		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
1,1,2,2-Tetrachloroethane	600		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
1,1,2-Trichloroethane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
1,1-Dichloroethane	200		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
1,1-Dichloroethene	400		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
1,2-Dichloroethane	100		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
1,2-Dichloropropane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
2-Butanone (MEK)	300		11 U	11 U	13 U	12 U	12 U	12 U
2-Hexanone	--		11 U	11 U	13 U	12 U	12 U	12 U
4-Methyl-2-pentanone (MIBK)	--		11 U	11 U	13 U	12 U	12 U	12 U
Acetone	200		17 JB	9.1 JHB	25 UB	19 JHB	6.7 JB	36 B
Benzene	60		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Bromodichloromethane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Bromoform	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Bromomethane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Carbon disulfide	2700		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Carbon tetrachloride	600		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Chlorobenzene	1700		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Chloroethane	1900		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Chloroform	300		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Chloromethane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
cis-1,2-Dichloroethene	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
cis-1,3-Dichloropropene	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Dibromochloromethane	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Ethylbenzene	5500		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Methylene chloride	100		13 JB	12 JB	15 JB	13 JB	13 JB	13 JB
Styrene	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Tetrachloroethene	1400		5.7 U	5.7 U	6.3 U	6.2 U	5.8 UH	6 U
Toluene	1500		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
trans-1,2-Dichloroethene	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
trans-1,3-Dichloropropene	--		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Trichloroethene	700		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Vinyl chloride	200		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U
Xylenes (total)	1200		5.7 U	5.7 U	6.3 U	6.2 U	5.8 U	6 U

Notes:

B - Compound was found in the blank and sample
J - Estimated value
H - Alternate peak selection upon analytical review
U - Analyte was not detected at or above the reporting limit
NYSDEC - New York State Department of Environmental Conservation
RSCOs - Recommended Soil Cleanup Objectives
Bold - Concentration exceeds standard
-- No Standard available
ft bls - Feet below land surface
µg/kg - Micrograms per kilogram

Table 2. Summary of Semivolatile Organic Compounds in Soil, 551 West 21st Street, New York, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	S-1 02/24/06 0-4	S-1 02/24/06 4-8	S-2 02/24/06 0-4	S-2 02/24/06 4-8	S-3 02/24/06 0-4	S-3 02/24/06 4-8
1,2,4-Trichlorobenzene	3400		360 U	360 U	420 U	390 U	370 U	380 U
1,2-Dichlorobenzene	7900		360 U	360 U	420 U	390 U	370 U	380 U
1,3-Dichlorobenzene	1600		360 U	360 U	420 U	390 U	370 U	380 U
1,4-Dichlorobenzene	8500		360 U	360 U	420 U	390 U	370 U	380 U
2,2'-oxybis (1-chloropropane)	--		360 U	360 U	420 U	390 U	370 U	380 U
2,4,5-Trichlorophenol	100		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
2,4,6-Trichlorophenol	--		360 U	360 U	420 U	390 U	370 U	380 U
2,4-Dichlorophenol	400		360 U	360 U	420 U	390 U	370 U	380 U
2,4-Dimethylphenol	--		360 U	360 U	420 U	390 U	370 U	380 U
2,4-Dinitrophenol	200		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
2,4-Dinitrotoluene	--		360 U	360 U	420 U	390 U	370 U	380 U
2,6-Dinitrotoluene	1000		360 U	360 U	420 U	390 U	370 U	380 U
2-Chloronaphthalene	--		360 U	360 U	420 U	390 U	370 U	380 U
2-Chlorophenol	800		360 U	360 U	420 U	390 U	370 U	380 U
2-Methylnaphthalene	36400		62 J	360 U	190 J	74 J	370 U	2000
2-Methylphenol	100		360 U	360 U	420 U	390 U	370 U	380 U
2-Nitroaniline	430		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
2-Nitrophenol	330		360 U	360 U	420 U	390 U	370 U	380 U
3,3'-Dichlorobenzidine	--		720 U	720 U	830 U	780 U	740 U	760 U
3-Nitroaniline	500		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
4,6-Dinitro-2-methylphenol	--		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
4-Bromophenyl phenyl ether	--		360 U	360 U	420 U	390 U	370 U	380 U
4-Chloro-3-methylphenol	240		360 U	360 U	420 U	390 U	370 U	380 U
4-Chloroaniline	220		360 U	360 U	420 U	390 U	370 U	380 U
4-Chlorophenyl phenyl ether	--		360 U	360 U	420 U	390 U	370 U	380 U
4-Methylphenol	900		360 U	360 U	420 U	390 U	370 U	420
4-Nitroaniline	--		720 U	720 U	830 U	780 U	740 U	760 U
4-Nitrophenol	100		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
Acenaphthene	50000		280 J	360 U	750	100 J	370 U	1300 H
Acenaphthylene	50000		130 J	360 U	840	390 U	370 U	380 U
Anthracene	50000		710	360 U	2500	380 J	370 U	990
Benzo[a]anthracene	224		**2500**	120 J	**16000 D**	**1800**	92 J	**870**
Benzo[a]pyrene	61		**2900**	**120 J**	**23000 D**	**2900**	**140 J**	**1400**
Benzo[b]fluoranthene	220		**3100**	130 JM	**21000 D**	**2700**	210 JM	**1200**
Benzo[g,h,i]perylene	50000		2600	76 JM	5100 M	2600	170 J	1200
Benzo[k]fluoranthene	220		**1300**	46 JM	**5200**	**1000**	57 JM	**530**
Benzyl Alcohol	--		360 U	360 U	420 U	390 U	370 U	380 U
Bis(2-chloroethoxy)methane	--		360 U	360 U	420 U	390 U	370 U	380 U
Bis(2-chloroethyl) ether	--		360 U	360 U	420 U	390 U	370 U	380 U
Bis(2-ethylhexyl) phthalate	--		360 U	360 U	150 J	53 J	52 J	75 J
Butylbenzyl phthalate	50000		360 U	360 U	420 U	390 U	370 U	380 U
Carbazole	--		340 J	360 U	950	160 J	370 U	380 U
Chrysene	400		**2500**	160 J	**15000 D**	**1700**	90 J	**940**
Dibenzo[a,h]anthracene	14		**620**	360 U	**2300 H**	**820**	370 U	**280 J**
Dibenzofuran	6200		170 J	360 U	410 J	80 J	370 U	1300
Diethyl phthalate	7100		360 U	360 U	420 U	390 U	370 U	380 U
Dimethyl phthalate	2000		360 U	360 U	420 U	390 U	370 U	380 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 551 West 21st Street, New York, New York

Parameter (Concentrations in µg/kg)	NYSDEC RSCOs (µg/kg)	**Sample Designation:**	S-1	S-1	S-2	S-2	S-3	S-3
		Sample Date:	02/24/06	02/24/06	02/24/06	02/24/06	02/24/06	02/24/06
		Sample Depth (ft bls):	0-4	4-8	0-4	4-8	0-4	4-8
Di-n-butyl phthalate	8100		360 U	360 U	420 U	390 U	370 U	380 U
Di-n-octyl phthalate	50000		360 U	360 U	420 U	390 U	370 U	380 U
Fluoranthene	50000		3600	160 J	16000 D	1700	100 J	1500 H
Fluorene	50000		210 J	360 U	490	100 J	370 U	2800
Hexachlorobenzene	410		360 U	360 U	420 U	390 U	370 U	380 U
Hexachlorobutadiene	--		360 U	360 U	420 U	390 U	370 U	380 U
Hexachlorocyclopentadiene	--		360 U	360 U	420 U	390 U	370 U	380 U
Hexachloroethane	--		360 U	360 U	420 U	390 U	370 U	380 U
Indeno[1,2,3-cd]pyrene	3200		2300	58 J	**6600**	2500	130 J	1100
Isophorone	4400		360 U	360 U	420 U	390 U	370 U	380 U
Naphthalene	13000		110 J	360 U	620	120 J	370 U	1100
Nitrobenzene	200		360 U	360 U	420 U	390 U	370 U	380 U
n-Nitrosodi-n-propylamine	--		360 U	360 U	420 U	390 U	370 U	380 U
n-Nitrosodiphenylamine	--		360 U	360 U	420 U	390 U	370 U	380 U
Pentachlorophenol	1000		1700 U	1700 U	2000 U	1900 U	1800 U	1800 U
Phenanthrene	50000		2800	160 J	6100	910	76 J	5300
Phenol	30		360 U	360 U	420 U	390 U	370 U	380 U
Pyrene	50000		4100	190 J	19000 D	1900	98 J	1600

Notes:

D - Analysis of secondary sample dilution
J - Estimated value
H - Alternate peak selection upon analytical review
M - Manually integrated compound
U - Analyte was not detected at or above the reporting limit
NYSDEC - New York State Department of Environmental Conservation
RSCOs - Recommended Soil Cleanup Objectives
Bold - Concentration exceeds standard
-- - No Standard available
ft bls - Feet below land surface
µg/kg - Micrograms per kilogram

Table 3. Summary of Metals in Soil, 551 West 21st Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC RSCOs (mg/kg)	**Sample Designation:** **Sample Date:** **Sample Depth (ft bls):**	S-1 02/24/06 0-4	S-1 02/24/06 4-8	S-2 02/24/06 0-4	S-2 02/24/06 4-8	S-3 02/24/06 0-4	S-3 02/24/06 4-8
Aluminum	--		9160	9000	6040	8320	8540	6350
Antimony	--		9 BN	12.1 UN	3.1 BN	12.7 UN	14.9 UN	13.9 UN
Arsenic	7.5		**8 B**	2.9 B	**17.7**	5.9 B	4.9 B	3.5 B
Barium	300		86.7 N	74.1 N	**325 N**	94.8 N	105 N	75.7 N
Beryllium	0.16		2.3 UN	2.1 UN	2.8 UN	2.2 UN	2.5 UN	2.4 UN
Cadmium	1		3.5 U	3.1 U	4.2 U	3.3 U	3.8 U	3.6 U
Calcium	35000		29600 *	7320 *	7610 *	11400 *	3270 *	**38100 ***
Chromium	10		**12 *N**	**18.2 *N**	9.5 *N	**14.5 *N**	**14.2 *N**	**15.1 *N**
Cobalt	30		3.8 N	7.2 N	5.5 N	5.4 N	5.3 N	5.6 N
Copper	25		**77.9 *N**	**42.1 *N**	**81.7 *N**	24.6 *N	21.4 *N	18.1 *N
Iron	2000		**10100**	**13000**	**12300**	**17200**	**15200**	**12600**
Lead	500		**743**	112	280	174	202	144
Magnesium	5000		**5660**	3420	1230	2890	2680	3560
Manganese	5000		209	263	175	263	223	398
Mercury	0.1		**0.35**	**1.2**	**1.9**	**2.2**	**0.46**	**0.23**
Nickel	13		11.3 N	**30.4 N**	11.9 N	**14.5 N**	12.9 N	**25.2 N**
Potassium	43000		1310	1310	1090	891	1240	1510
Selenium	2		18.7 U	16.6 U	22.3 U	17.4 U	20.3 U	19 U
Silver	--		0.49 BN	3.1 UN	4.2 UN	3.3 UN	3.8 UN	3.6 UN
Sodium	8000		1370	465	775	325	431	272
Thallium	--		11.7 UN	10.4 UN	13.9 UN	10.9 UN	12.7 UN	11.9 UN
Vanadium	150		17.5 N	21.6 N	22.2 N	22.7 N	21.8 N	17.1 N
Zinc	20		**645**	**76**	**177**	**94**	**53.5**	**38.2**

Notes:

* - Batch QC exceeds upper or lower control limits
B - Less than CRDL/RL, greater than or equal to the IDL/MDL
N - Spike recovery exceeds upper or lower control limits
U - Analyte was not detected at or above the reporting limit
NYSDEC - New York State Department of Environmental Conservation
RSCOs - Recommended Soil Cleanup Objectives
Bold - Concentration exceeds standard
-- No Standard available
ft bls - Feet below land surface
mg/kg - Milligrams per kilogram

Table 4. Summary of Volatile Organic Compounds in Groundwater, 551 West 21st Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 02/24/06
1,1,1-Trichloroethane	5		5 U
1,1,2,2-Tetrachloroethane	5		5 U
1,1,2-Trichloroethane	1		5 U
1,1-Dichloroethane	5		5 U
1,1-Dichloroethene	5		5 U
1,2-Dichloroethane	0.6		5 U
1,2-Dichloropropane	1		5 U
2-Butanone (MEK)	50		10 U
2-Hexanone	50		10 U
4-Methyl-2-pentanone (MIBK)	--		10 U
Acetone	50		2.2 J
Benzene	1		0.72 J
Bromodichloromethane	50		5 U
Bromoform	50		5 U
Bromomethane	5		5 U
Carbon disulfide	--		5 U
Carbon tetrachloride	5		5 U
Chlorobenzene	5		5 U
Chloroethane	5		5 U
Chloroform	7		5 U
Chloromethane	--		5 U
cis-1,2-Dichloroethene	5		5 U
cis-1,3-Dichloropropene	--		5 U
Dibromochloromethane	50		5 U
Ethylbenzene	5		5 U
Methylene chloride	5		5 U
Styrene	5		5 U
Tetrachloroethene	5		0.66 J
Toluene	5		0.78 J
trans-1,2-Dichloroethene	5		5 U
trans-1,3-Dichloropropene	--		5 U
Trichloroethene	5		5 U
Vinyl chloride	2		5 U
Xylenes (total)	5		2.1 J

Notes:

J - Estimated value
U - Analyte was not detected at or above the reporting limit
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
-- - - No NYSDEC AWQSGV available
µg/L - Micrograms per liter

Table 5. Summary of Semivolatile Organic Compounds in Groundwater, 551 West 21st Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 02/24/06
1,2,4-Trichlorobenzene	5		10 U
1,2-Dichlorobenzene	3		10 U
1,3-Dichlorobenzene	3		10 U
1,4-Dichlorobenzene	3		10 U
2,2'-oxybis (1-chloropropane)	--		10 U
2,4,5-Trichlorophenol	--		50 U
2,4,6-Trichlorophenol	--		10 U
2,4-Dichlorophenol	5		10 U
2,4-Dimethylphenol	50		10 U
2,4-Dinitrophenol	10		50 U
2,4-Dinitrotoluene	5		10 U
2,6-Dinitrotoluene	5		10 U
2-Chloronaphthalene	10		10 U
2-Chlorophenol	--		10 U
2-Methylnaphthalene	--		15
2-Methylphenol	--		10 U
2-Nitroaniline	5		50 U
2-Nitrophenol	--		10 U
3,3'-Dichlorobenzidine	5		20 U
3-Nitroaniline	5		50 U
4,6-Dinitro-2-methylphenol	--		50 U
4-Bromophenyl phenyl ether	--		10 U
4-Chloro-3-methylphenol	--		10 U
4-Chloroaniline	5		10 U
4-Chlorophenyl phenyl ether	--		10 U
4-Methylphenol	--		10 U
4-Nitroaniline	5		20 U
4-Nitrophenol	--		50 U
Acenaphthene	20		3 J
Acenaphthylene	--		10 U
Anthracene	50		1 J
Benzo[a]anthracene	0.002		**2 J**
Benzo[a]pyrene	ND		**3 J**
Benzo[b]fluoranthene	0.002		**3 J**
Benzo[g,h,i]perylene	--		2 J
Benzo[k]fluoranthene	0.002		10 U
Benzyl Alcohol	--		10 U
Bis(2-chloroethoxy)methane	5		10 U
Bis(2-chloroethyl) ether	1		10 U
Bis(2-ethylhexyl) phthalate	5		10 U
Butylbenzyl phthalate	50		10 U
Carbazole	--		10 U
Chrysene	0.002		**2 J**
Dibenzo[a,h]anthracene	--		10 U
Dibenzofuran	--		1 J
Diethyl phthalate	50		10 U
Dimethyl phthalate	50		10 U

Table 5. Summary of Semivolatile Organic Compounds in Groundwater, 551 West 21st Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:**	GW-1 02/24/06
Di-n-butyl phthalate	50		10 U
Di-n-octyl phthalate	50		10 U
Fluoranthene	50		2 J
Fluorene	50		3 J
Hexachlorobenzene	0.04		10 U
Hexachlorobutadiene	0.5		10 U
Hexachlorocyclopentadiene	5		10 U
Hexachloroethane	5		10 U
Indeno[1,2,3-cd]pyrene	0.002		**1 J**
Isophorone	50		10 U
Naphthalene	10		8 J
Nitrobenzene	0.4		10 U
n-Nitrosodi-n-propylamine	--		10 U
n-Nitrosodiphenylamine	50		10 U
Pentachlorophenol	1		50 U
Phenanthrene	50		4 J
Phenol	1		10 U
Pyrene	50		2 J

Notes:

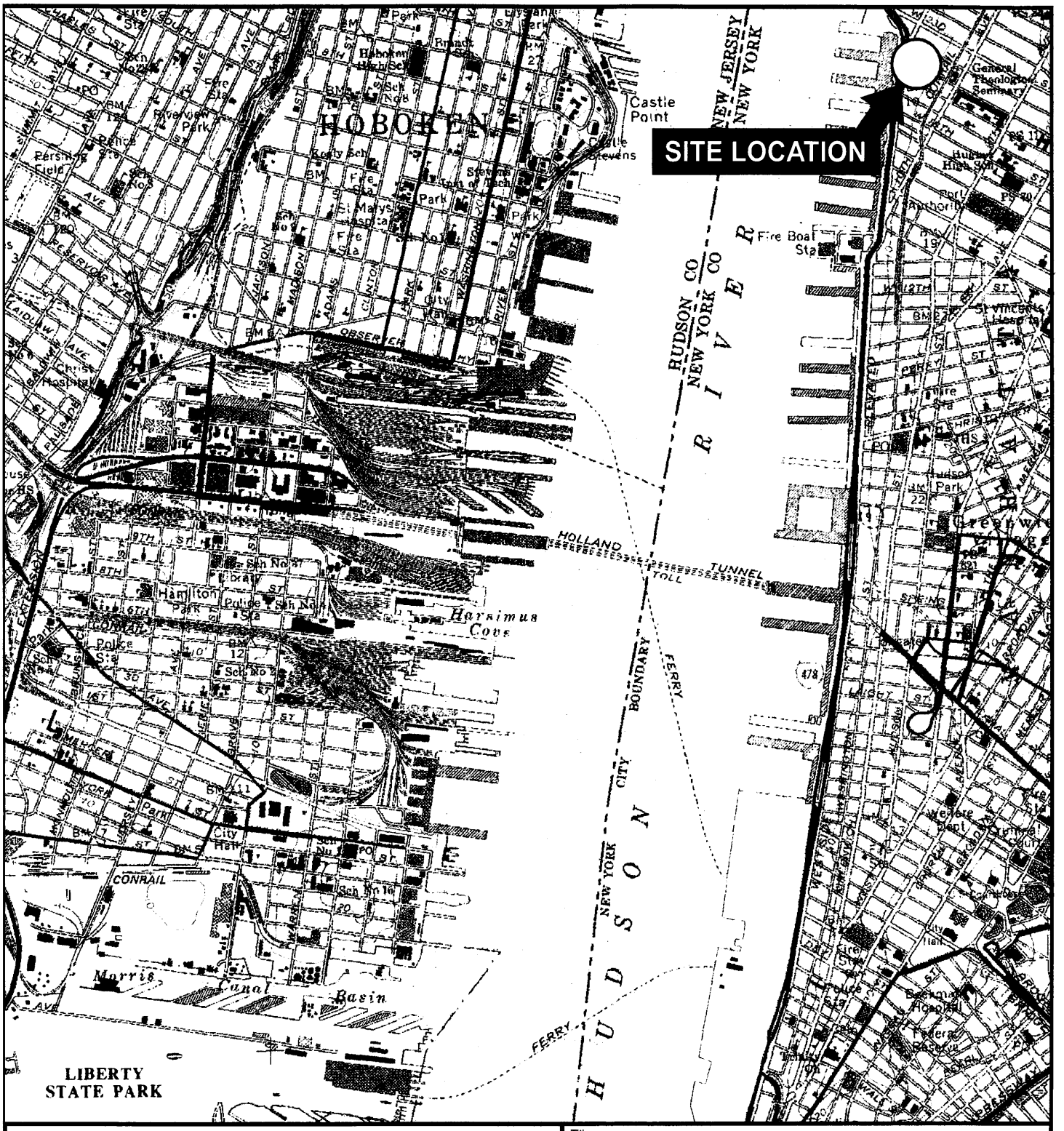
J - Estimated value
U - Analyte was not detected at or above the reporting limit
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
-- - No NYSDEC AWQSGV available
Bold - Concentration exceeds NYSDEC AWQSGVs
µg/L - Micrograms per liter

Table 6. Summary of Metals in Groundwater, 551 West 21st Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Sample Designation:** **Sample Date:** **Filtered/Unfiltered:**	GW-1 02/24/06 Unfiltered	GW-1 02/24/06 Filtered
Aluminum	--		27400	500 U
Antimony	3		20 U	20 U
Arsenic	25		**81**	11.2 B
Barium	1000		**3030**	84.6
Beryllium	3		**5.1**	5 U
Cadmium	5		10 U	10 U
Calcium	--		209000	97100
Chromium	50		47	10 U
Cobalt	--		17.1	10 U
Copper	200		17.2	10 U
Iron	--		36500	200 U
Lead	25		**433**	10 U
Magnesium	--		46700	38000
Manganese	300		**2370**	**473**
Mercury	0.7		0.2 U	0.2 U
Nickel	100		38.4	10 U
Potassium	--		42700	33500
Selenium	10		30 UN	30 UN
Silver	50		6 U	6 U
Sodium	20000		**149000**	**141000**
Thallium	0.5		40 U	40 U
Vanadium	--		201	9.8
Zinc	2000		349	50 U

Notes:

B - Estimated value
N - Spike recovery exceeds the upper or lower control limits
U - Indicates that the compound was analyzed for but not detected
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
-- - No NYSDEC AWQSGV available
Bold - Concentration exceeds NYSDEC AWQSGVs
µg/L - Micrograms per liter



QUADRANGLE LOCATION

N

0 2000'

SOURCE:
USGS; 1981, Jersey City, NY-NJ
7.5 Minute Topographic Quadrangle

Title:

SITE LOCATION MAP

547-549 W21st STREET
NEW YORK, NEW YORK

Prepared for:

551 DEVELOPMENT, LLC

ROUX ASSOCIATES, INC. *Environmental Consulting & Management*	Compiled by: BH	Date: 14MAR06	FIGURE
	Prepared by: RK	Scale: AS SHOWN	1
	Project Mgr.: BH	Office: NY	
	File No.: ALF0110702.CDR	Project No.: 126201Y	

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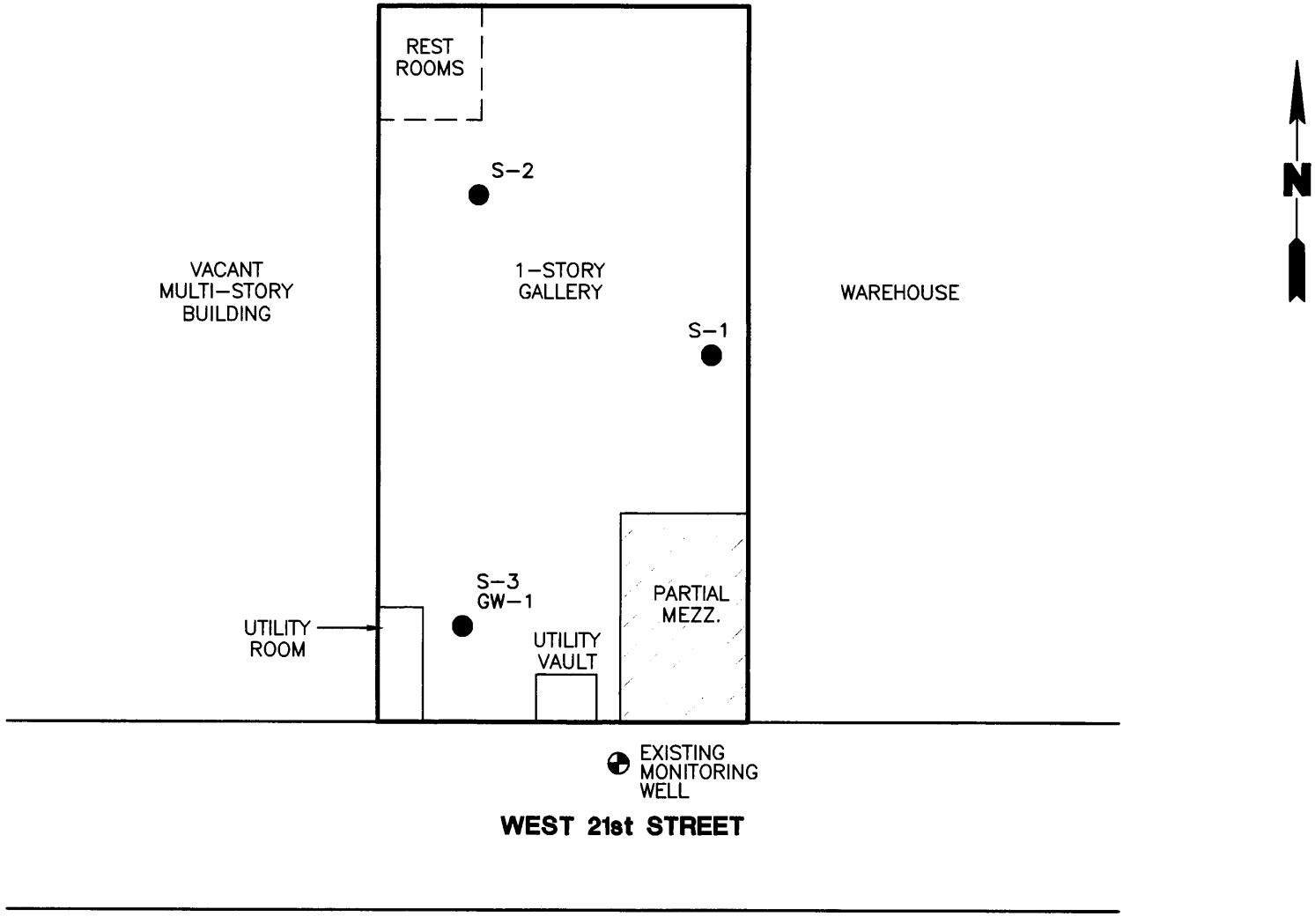

LEGEND

S-3 ● SOIL BORING LOCATION

GW-1 GROUNDWATER SAMPLE LOCATION

Title:

SOIL AND GROUNDWATER SAMPLE LOCATION MAP

547-549 WEST 21st STREET
NEW YORK, NEW YORK

Prepared For:

551 DEVELOPMENT, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: B.H.	Date: 14MAR06	FIGURE
Prepared by: R.K.	Scale: NTS	2
Project Mgr: B.H.	Office: NY	
File No: ALF0110701	Project: 126201Y	

APPENDIX A

Soil Boring Logs

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone:
Fax:

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
S-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
126201Y / Alf Naman		**547-549 West 21st Street**		
APPROVED BY	LOGGED BY			
B. Holubowich	**B. Holubowich**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling & Testing /				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**5400 / Geoprobe**	**2" Macro-Core**	**2/24/06-2/24/06**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**8 (Feet BLS)**			

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Crushed Stone, Concrete, Organic Matter, Glass Fragments, Wood, fine and medium Sand and Gravel; dry (FILL)		0.0	
1					Sample S-1 (0-4)
2					
3					
4		Brown to tan and black fine to coarse SAND and SILT, some Gravel, trace Brick, trace Glass; moist (FILL)		0.1	
5					Sample S-1 (4-8)
6					
7					
8					Bottom of borehole at 8 ft bls. Wet

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone:
Fax:

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
S-2	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
126201Y / Alf Naman		**547-549 West 21st Street**		
APPROVED BY	LOGGED BY			
B. Holubowich	**B. Holubowich**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling & Testing /				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**5400 / Geoprobe**	**2" Macro-Core**	**2/24/06-2/24/06**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**8 (Feet BLS)**			

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Crushed Stone, Concrete, Organic Matter, Glass Fragments, Wood, fine and medium Sand and Gravel; dry (FILL)		0.1	
1					Sample S-2 (0-4)
2					
3					
4		Brown to tan and black fine to coarse SAND and SILT, some Gravel, trace Brick, trace Glass; moist (FILL)		0.1	
5					Sample S-2 (4-8)
6					
7					
8					Bottom of borehole at 8 ft bls. Wet

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone:
Fax:

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
S-3	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
126201Y / Alf Naman		**547-549 West 21st Street**		
APPROVED BY	LOGGED BY			
B. Holubowich	**B. Holubowich**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling & Testing /				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**5400 / Geoprobe**	**2" Macro-Core**	**2/24/06-2/24/06**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**8 (Feet BLS)**			

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Crushed Stone, Concrete, Organic Matter, Glass Fragments, Wood, fine and medium Sand and Gravel; dry (FILL)		2.0	
1					Sample S-3 (0-4)
2					
3					
4		Brown to tan and black fine to coarse SAND and SILT, some Gravel, trace Brick, trace Glass; moist (FILL)		10.1	
5					Sample S-3 (4-8)
6					
7					
8					Bottom of borehole at 8 ft bls. Wet

APPENDIX B

Chains of Custody

Chain of Custody Record

STL-4124 (0605)

..L Co...ticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

Client: Roux / Noman	Project Manager: Bill Holubowich	Date: 2/24/06	Chain of Custody Number: 10519
Address: 209 Shafter Street	Telephone Number (Area Code)/Fax Number: 631. 232. 2600	Lab Number	Page 1 of 1
City: Islandia; State: NY; Zip Code: 11749	Site Contact	Lab Contact	
Project Name and Location (State): 549-547 West 21 Street	Rad. Screen		
Contract/Purchase Order/Project No.: 1260201Y			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Lab ID	Matrix: Aqueous	Solid	Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOCs	SVOCs/metals	metals	Comments
S-1 (0-4)	2/24/06				X								1	1		
S-1 (4-8)					X								1	1		
S-2 (0-4)					X								1	1		
S-2 (4-8)					X								1	1		
S-3 (0-4)					X								1	1		
S-3 (4-8					X								1	1		
GW-1				X									2	2	2	GW Lab filtered and unfiltered

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☒ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By: Bill Holubowich	Date: 2/24/06	Time	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Received By	Date	Time	Cooler Temps		

Comments: Laboratory will run filtered and unfiltered groundwater samples for metals

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

APPENDIX C

Laboratory Reports

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-1
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	87.6			0.10	0.10	1	%	62386		03/01/06 0000	rlm
	% Moisture, Solid	12.4			0.10	0.10	1	%	62386		03/01/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.35			0.016	0.054	1.0000	mg/Kg	62266		02/28/06 1118	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9160			23.4	302	1	mg/Kg	62499		03/02/06 1945	nnp
	Antimony, Solid*	9.0	B	N	1.3	13.7	1	mg/Kg	62499		03/02/06 1945	nnp
	Arsenic, Solid*	8.0	B		1.4	9.4	1	mg/Kg	62499		03/02/06 1945	nnp
	Barium, Solid*	86.7		N	0.22	2.3	1	mg/Kg	62499		03/02/06 1945	nnp
	Beryllium, Solid*	ND	U	N	0.58	2.3	1	mg/Kg	62499		03/02/06 1945	nnp
	Cadmium, Solid*	ND	U		1.2	3.5	1	mg/Kg	62499		03/02/06 1945	nnp
	Calcium, Solid*	29600		*	13.6	99.4	1	mg/Kg	62499		03/02/06 1945	nnp
	Chromium, Solid*	12.0		*N	0.40	3.5	1	mg/Kg	62499		03/02/06 1945	nnp
	Cobalt, Solid*	3.8		N	0.49	2.3	1	mg/Kg	62499		03/02/06 1945	nnp
	Copper, Solid*	77.9		*N	0.94	5.8	1	mg/Kg	62499		03/02/06 1945	nnp
	Iron, Solid*	10100			11.9	170	1	mg/Kg	62499		03/02/06 1945	nnp
	Lead, Solid*	743			0.89	10.5	1	mg/Kg	62499		03/02/06 1945	nnp
	Magnesium, Solid*	5660			10.8	40.9	1	mg/Kg	62499		03/02/06 1945	nnp
	Manganese, Solid*	209			0.75	2.9	1	mg/Kg	62499		03/02/06 1945	nnp
	Nickel, Solid*	11.3		N	0.51	5.8	1	mg/Kg	62499		03/02/06 1945	nnp
	Potassium, Solid*	1310			46.8	234	1	mg/Kg	62499		03/02/06 1945	nnp
	Selenium, Solid*	ND	U		1.9	18.7	1	mg/Kg	62499		03/02/06 1945	nnp
	Silver, Solid*	0.49	B	N	0.37	3.5	1	mg/Kg	62499		03/02/06 1945	nnp
	Sodium, Solid*	1370			23.4	110	1	mg/Kg	62499		03/02/06 1945	nnp
	Thallium, Solid*	ND	U	N	4.9	11.7	1	mg/Kg	62499		03/02/06 1945	nnp
	Vanadium, Solid*	17.5		N	0.42	4.7	1	mg/Kg	62499		03/02/06 1945	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-1
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	645			4.4	23.4	1	mg/Kg	62499		03/02/06 1945	nnp
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		110	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		49	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		55	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		57	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		61	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Benzyl alcohol, Solid*	ND	U		68	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2-Methylphenol, Solid*	ND	U		96	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		51	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		49	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Hexachloroethane, Solid*	ND	U		64	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Methylphenol, Solid*	ND	U		190	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2-Chlorophenol, Solid*	ND	U		93	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Nitrobenzene, Solid*	ND	U		43	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		62	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		61	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Isophorone, Solid*	ND	U		65	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,4-Dimethylphenol, Solid*	ND	U		190	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Hexachlorobutadiene, Solid*	ND	U		74	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Naphthalene, Solid*	110	J		62	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,4-Dichlorophenol, Solid*	ND	U		120	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Chloroaniline, Solid*	ND	U		120	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		92	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		130	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		270	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2-Methylnaphthalene, Solid*	62	J		57	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2-Nitroaniline, Solid*	ND	U		46	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-1
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloronaphthalene, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		120	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,6-Dinitrotoluene, Solid*	ND	U		66	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2-Nitrophenol, Solid*	ND	U		130	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	3-Nitroaniline, Solid*	ND	U		75	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Dimethyl phthalate, Solid*	ND	U		55	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,4-Dinitrophenol, Solid*	ND	U		120	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Acenaphthylene, Solid*	130	J		44	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		65	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Acenaphthene, Solid*	280	J		60	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Dibenzofuran, Solid*	170	J		57	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Nitrophenol, Solid*	ND	U		150	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Fluorene, Solid*	210	J		47	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Nitroaniline, Solid*	ND	U		52	720	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		55	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Hexachlorobenzene, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Diethyl phthalate, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		50	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Pentachlorophenol, Solid*	ND	U		310	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		54	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		260	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Phenanthrene, Solid*	2800			42	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Anthracene, Solid*	710			60	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Carbazole, Solid*	340	J		53	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Di-n-butyl phthalate, Solid*	ND	U		48	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Fluoranthene, Solid*	3600			46	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Pyrene, Solid*	4100			50	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Butyl benzyl phthalate, Solid*	ND	U		47	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Benzo(a)anthracene, Solid*	2500			49	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-1
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Solid*	2500			46	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		96	720	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		48	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Di-n-octyl phthalate, Solid*	ND	U		38	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Benzo(b)fluoranthene, Solid*	3100			100	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Benzo(k)fluoranthene, Solid*	1300			40	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Benzo(a)pyrene, Solid*	2900			44	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	2300			37	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Dibenzo(a,h)anthracene, Solid*	620			40	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Benzo(ghi)perylene, Solid*	2600			40	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
8260B	Volatile Organics											
	Chloromethane, Solid*	ND	U		1.0	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Vinyl chloride, Solid*	ND	U		0.99	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Bromomethane, Solid*	ND	U		0.94	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Chloroethane, Solid*	ND	U		2.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Carbon disulfide, Solid*	ND	U		0.70	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Acetone, Solid*	17	J	B	3.6	23	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Methylene chloride, Solid*	13	J	B	2.5	23	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.66	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,1-Dichloroethane, Solid*	ND	U		0.92	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	2-Butanone (MEK), Solid*	ND	U		2.0	11	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Chloroform, Solid*	ND	U		0.61	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		0.96	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Carbon tetrachloride, Solid*	ND	U		0.89	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Benzene, Solid*	ND	U		0.98	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-1
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Trichloroethene, Solid*	ND	U		0.78	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Bromodichloromethane, Solid*	ND	U		0.96	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.89	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.3	11	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Toluene, Solid*	ND	U		0.96	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Tetrachloroethene, Solid*	ND	U		0.80	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	2-Hexanone, Solid*	ND	U		2.9	11	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Dibromochloromethane, Solid*	ND	U		0.47	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Chlorobenzene, Solid*	ND	U		0.90	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Ethylbenzene, Solid*	ND	U		0.90	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Styrene, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Bromoform, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.4	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Xylenes (total), Solid*	ND	U		2.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-2
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	87.9			0.10	0.10	1	%	62386		03/01/06 0000	rlm
	% Moisture, Solid	12.1			0.10	0.10	1	%	62386		03/01/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	1.2			0.015	0.049	1.0000	mg/Kg	62266		02/28/06 1120	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9000			20.8	268	1	mg/Kg	62499		03/02/06 1951	nnp
	Antimony, Solid*	ND	U	N	1.2	12.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Arsenic, Solid*	2.9	B		1.3	8.3	1	mg/Kg	62499		03/02/06 1951	nnp
	Barium, Solid*	74.1		N	0.19	2.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Beryllium, Solid*	ND	U	N	0.52	2.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Cadmium, Solid*	ND	U		1.0	3.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Calcium, Solid*	7320		*	12.0	88.2	1	mg/Kg	62499		03/02/06 1951	nnp
	Chromium, Solid*	18.2		*N	0.35	3.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Cobalt, Solid*	7.2		N	0.44	2.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Copper, Solid*	42.1		*N	0.83	5.2	1	mg/Kg	62499		03/02/06 1951	nnp
	Iron, Solid*	13000			10.6	151	1	mg/Kg	62499		03/02/06 1951	nnp
	Lead, Solid*	112			0.79	9.3	1	mg/Kg	62499		03/02/06 1951	nnp
	Magnesium, Solid*	3420			9.5	36.3	1	mg/Kg	62499		03/02/06 1951	nnp
	Manganese, Solid*	263			0.66	2.6	1	mg/Kg	62499		03/02/06 1951	nnp
	Nickel, Solid*	30.4		N	0.46	5.2	1	mg/Kg	62499		03/02/06 1951	nnp
	Potassium, Solid*	1310			41.5	208	1	mg/Kg	62499		03/02/06 1951	nnp
	Selenium, Solid*	ND	U		1.7	16.6	1	mg/Kg	62499		03/02/06 1951	nnp
	Silver, Solid*	ND	U	N	0.33	3.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Sodium, Solid*	465			20.8	97.6	1	mg/Kg	62499		03/02/06 1951	nnp
	Thallium, Solid*	ND	U	N	4.3	10.4	1	mg/Kg	62499		03/02/06 1951	nnp
	Vanadium, Solid*	21.6		N	0.37	4.2	1	mg/Kg	62499		03/02/06 1951	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-2
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	76.0			3.9	20.8	1	mg/Kg	62499		03/02/06 1951	nnp
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		110	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		49	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		55	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		58	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		61	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Benzyl alcohol, Solid*	ND	U		69	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2-Methylphenol, Solid*	ND	U		97	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		51	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		49	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Hexachloroethane, Solid*	ND	U		64	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Methylphenol, Solid*	ND	U		190	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2-Chlorophenol, Solid*	ND	U		94	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Nitrobenzene, Solid*	ND	U		44	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		62	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		61	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Isophorone, Solid*	ND	U		65	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,4-Dimethylphenol, Solid*	ND	U		190	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Hexachlorobutadiene, Solid*	ND	U		74	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Naphthalene, Solid*	ND	U		62	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,4-Dichlorophenol, Solid*	ND	U		120	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Chloroaniline, Solid*	ND	U		120	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		92	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		130	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		270	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2-Methylnaphthalene, Solid*	ND	U		58	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2-Nitroaniline, Solid*	ND	U		46	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-2
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloronaphthalene, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		120	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,6-Dinitrotoluene, Solid*	ND	U		66	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2-Nitrophenol, Solid*	ND	U		130	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	3-Nitroaniline, Solid*	ND	U		75	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Dimethyl phthalate, Solid*	ND	U		55	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,4-Dinitrophenol, Solid*	ND	U		130	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Acenaphthylene, Solid*	ND	U		45	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		65	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Acenaphthene, Solid*	ND	U		60	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Dibenzofuran, Solid*	ND	U		58	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Nitrophenol, Solid*	ND	U		150	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Fluorene, Solid*	ND	U		47	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Nitroaniline, Solid*	ND	U		52	720	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		55	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Hexachlorobenzene, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Diethyl phthalate, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		50	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Pentachlorophenol, Solid*	ND	U		310	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		54	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		260	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Phenanthrene, Solid*	160	J		42	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Anthracene, Solid*	ND	U		60	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Carbazole, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Di-n-butyl phthalate, Solid*	ND	U		48	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Fluoranthene, Solid*	160	J		46	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Pyrene, Solid*	190	J		50	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Butyl benzyl phthalate, Solid*	ND	U		47	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Benzo(a)anthracene, Solid*	120	J		49	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-2
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Solid*	160	J		46	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		97	720	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		48	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Di-n-octyl phthalate, Solid*	ND	U		38	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Benzo(b)fluoranthene, Solid*	130	J	M	100	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Benzo(k)fluoranthene, Solid*	46	J	M	40	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Benzo(a)pyrene, Solid*	120	J		45	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	58	J		37	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Dibenzo(a,h)anthracene, Solid*	ND	U		40	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Benzo(ghi)perylene, Solid*	76	J	M	40	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
8260B	Volatile Organics											
	Chloromethane, Solid*	ND	U		1.0	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Vinyl chloride, Solid*	ND	U		0.99	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Bromomethane, Solid*	ND	U		0.93	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Chloroethane, Solid*	ND	U		2.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Carbon disulfide, Solid*	ND	U		0.69	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Acetone, Solid*	9.1	J	HB	3.6	23	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Methylene chloride, Solid*	12	J	B	2.5	23	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.66	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,1-Dichloroethane, Solid*	ND	U		0.92	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	2-Butanone (MEK), Solid*	ND	U		2.0	11	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Chloroform, Solid*	ND	U		0.60	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		0.96	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Carbon tetrachloride, Solid*	ND	U		0.89	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Benzene, Solid*	ND	U		0.98	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-2
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Trichloroethene, Solid*	ND	U		0.77	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Bromodichloromethane, Solid*	ND	U		0.96	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.89	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.3	11	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Toluene, Solid*	ND	U		0.96	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.0	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Tetrachloroethene, Solid*	ND	U		0.80	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	2-Hexanone, Solid*	ND	U		2.9	11	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Dibromochloromethane, Solid*	ND	U		0.47	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Chlorobenzene, Solid*	ND	U		0.90	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Ethylbenzene, Solid*	ND	U		0.90	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Styrene, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Bromoform, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.4	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Xylenes (total), Solid*	ND	U		2.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	78.8			0.10	0.10	1	%	62386		03/01/06 0000	rlm
	% Moisture, Solid	21.2			0.10	0.10	1	%	62386		03/01/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	1.9			0.17	0.55	10.000	mg/Kg	62266		02/28/06 1138	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	6040			27.8	359	1	mg/Kg	62499		03/02/06 1957	nnp
	Antimony, Solid*	3.1	B	N	1.6	16.3	1	mg/Kg	62499		03/02/06 1957	nnp
	Arsenic, Solid*	17.7			1.7	11.1	1	mg/Kg	62499		03/02/06 1957	nnp
	Barium, Solid*	325		N	0.26	2.8	1	mg/Kg	62499		03/02/06 1957	nnp
	Beryllium, Solid*	ND	U	N	0.70	2.8	1	mg/Kg	62499		03/02/06 1957	nnp
	Cadmium, Solid*	ND	U		1.4	4.2	1	mg/Kg	62499		03/02/06 1957	nnp
	Calcium, Solid*	7610		*	16.1	118	1	mg/Kg	62499		03/02/06 1957	nnp
	Chromium, Solid*	9.5		*N	0.47	4.2	1	mg/Kg	62499		03/02/06 1957	nnp
	Cobalt, Solid*	5.5		N	0.58	2.8	1	mg/Kg	62499		03/02/06 1957	nnp
	Copper, Solid*	81.7		*N	1.1	7.0	1	mg/Kg	62499		03/02/06 1957	nnp
	Iron, Solid*	12300			14.2	202	1	mg/Kg	62499		03/02/06 1957	nnp
	Lead, Solid*	280			1.1	12.5	1	mg/Kg	62499		03/02/06 1957	nnp
	Magnesium, Solid*	1230			12.8	48.7	1	mg/Kg	62499		03/02/06 1957	nnp
	Manganese, Solid*	175			0.89	3.5	1	mg/Kg	62499		03/02/06 1957	nnp
	Nickel, Solid*	11.9		N	0.61	7.0	1	mg/Kg	62499		03/02/06 1957	nnp
	Potassium, Solid*	1090			55.7	278	1	mg/Kg	62499		03/02/06 1957	nnp
	Selenium, Solid*	ND	U		2.2	22.3	1	mg/Kg	62499		03/02/06 1957	nnp
	Silver, Solid*	ND	U	N	0.45	4.2	1	mg/Kg	62499		03/02/06 1957	nnp
	Sodium, Solid*	775			27.8	131	1	mg/Kg	62499		03/02/06 1957	nnp
	Thallium, Solid*	ND	U	N	5.8	13.9	1	mg/Kg	62499		03/02/06 1957	nnp
	Vanadium, Solid*	22.2		N	0.50	5.6	1	mg/Kg	62499		03/02/06 1957	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	177			5.3	27.8	1	mg/Kg	62499		03/02/06 1957	nnp
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		120	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		57	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		64	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		67	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		71	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Benzyl alcohol, Solid*	ND	U		79	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2-Methylphenol, Solid*	ND	U		110	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		59	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		57	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Hexachloroethane, Solid*	ND	U		74	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Methylphenol, Solid*	ND	U		230	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2-Chlorophenol, Solid*	ND	U		110	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Nitrobenzene, Solid*	ND	U		50	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		72	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		71	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Isophorone, Solid*	ND	U		76	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,4-Dimethylphenol, Solid*	ND	U		220	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Hexachlorobutadiene, Solid*	ND	U		86	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Naphthalene, Solid*	620			72	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,4-Dichlorophenol, Solid*	ND	U		140	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Chloroaniline, Solid*	ND	U		130	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		110	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		150	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		310	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2-Methylnaphthalene, Solid*	190	J		67	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2-Nitroaniline, Solid*	ND	U		53	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloronaphthalene, Solid*	ND	U		62	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		140	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,6-Dinitrotoluene, Solid*	ND	U		77	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2-Nitrophenol, Solid*	ND	U		150	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	3-Nitroaniline, Solid*	ND	U		87	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Dimethyl phthalate, Solid*	ND	U		64	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,4-Dinitrophenol, Solid*	ND	U		140	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Acenaphthylene, Solid*	840			52	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		76	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Acenaphthene, Solid*	750			69	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Dibenzofuran, Solid*	410	J		67	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Nitrophenol, Solid*	ND	U		180	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Fluorene, Solid*	490			54	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Nitroaniline, Solid*	ND	U		60	830	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		64	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Hexachlorobenzene, Solid*	ND	U		62	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Diethyl phthalate, Solid*	ND	U		62	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		58	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Pentachlorophenol, Solid*	ND	U		360	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		63	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		300	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Phenanthrene, Solid*	6100			49	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Anthracene, Solid*	2500			69	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Carbazole, Solid*	950			62	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Di-n-butyl phthalate, Solid*	ND	U		55	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Fluoranthene, Solid*	14000		A	53	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Pyrene, Solid*	9700		A	58	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Butyl benzyl phthalate, Solid*	ND	U		54	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Benzo(a)anthracene, Solid*	15000		A	57	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Solid*	15000		A	53	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		110	830	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Bis(2-ethylhexyl)phthalate, Solid*	150	J		55	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Di-n-octyl phthalate, Solid*	ND	U		44	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Benzo(b)fluoranthene, Solid*	25000		A	120	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Benzo(k)fluoranthene, Solid*	5200			47	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Benzo(a)pyrene, Solid*	19000		A	52	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	6600			43	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Dibenzo(a,h)anthracene, Solid*	2300		H	47	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Benzo(ghi)perylene, Solid*	5100		M	47	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
8260B	Volatile Organics											
	Chloromethane, Solid*	ND	U		1.1	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Vinyl chloride, Solid*	ND	U		1.1	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Bromomethane, Solid*	ND	U		1.0	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Chloroethane, Solid*	ND	U		2.4	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Carbon disulfide, Solid*	ND	U		0.77	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Acetone, Solid*	ND	U	B	4.0	25	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Methylene chloride, Solid*	15	J	B	2.8	25	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.74	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,1-Dichloroethane, Solid*	ND	U		1.0	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	2-Butanone (MEK), Solid*	ND	U		2.3	13	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Chloroform, Solid*	ND	U		0.67	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		1.1	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Carbon tetrachloride, Solid*	ND	U		0.99	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Benzene, Solid*	ND	U		1.1	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Trichloroethene, Solid*	ND	U		0.86	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Bromodichloromethane, Solid*	ND	U		1.1	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.99	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.5	13	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Toluene, Solid*	ND	U		1.1	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.2	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Tetrachloroethene, Solid*	ND	U		0.89	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	2-Hexanone, Solid*	ND	U		3.2	13	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Dibromochloromethane, Solid*	ND	U		0.52	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Chlorobenzene, Solid*	ND	U		1.0	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Ethylbenzene, Solid*	ND	U		1.0	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Styrene, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Bromoform, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.5	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Xylenes (total), Solid*	ND	U		2.5	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		1200	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		570	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		640	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		670	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		710	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Benzyl alcohol, Solid*	ND	U		790	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2-Methylphenol, Solid*	ND	U		1100	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		590	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		570	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Hexachloroethane, Solid*	ND	U		740	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Methylphenol, Solid*	ND	U		2300	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2-Chlorophenol, Solid*	ND	U		1100	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Nitrobenzene, Solid*	ND	U		500	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		720	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		710	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Isophorone, Solid*	ND	U		760	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,4-Dimethylphenol, Solid*	ND	U		2200	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Hexachlorobutadiene, Solid*	ND	U		860	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Naphthalene, Solid*	ND	U		720	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,4-Dichlorophenol, Solid*	ND	U		1400	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Chloroaniline, Solid*	ND	U		1300	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		1100	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		1500	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		3100	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2-Methylnaphthalene, Solid*	ND	U		670	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2-Nitroaniline, Solid*	ND	U		530	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2-Chloronaphthalene, Solid*	ND	U		620	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		1400	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,6-Dinitrotoluene, Solid*	ND	U		770	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2-Nitrophenol, Solid*	ND	U		1500	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	3-Nitroaniline, Solid*	ND	U		870	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Dimethyl phthalate, Solid*	ND	U		640	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,4-Dinitrophenol, Solid*	ND	U		1400	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Acenaphthylene, Solid*	650	J		520	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		760	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Acenaphthene, Solid*	750	J		690	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Dibenzofuran, Solid*	ND	U		670	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Nitrophenol, Solid*	ND	U		1800	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Fluorene, Solid*	ND	U		540	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Nitroaniline, Solid*	ND	U		600	8300	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		640	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Hexachlorobenzene, Solid*	ND	U		620	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Diethyl phthalate, Solid*	ND	U		620	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		580	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Pentachlorophenol, Solid*	ND	U		3600	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		630	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		3000	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Phenanthrene, Solid*	6600			490	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Anthracene, Solid*	2300	J		690	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Carbazole, Solid*	1100	J		620	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Di-n-butyl phthalate, Solid*	ND	U		550	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Fluoranthene, Solid*	16000			530	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Pyrene, Solid*	19000			580	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Butyl benzyl phthalate, Solid*	ND	U		540	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Benzo(a)anthracene, Solid*	16000			570	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Chrysene, Solid*	15000			530	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		1100	8300	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		550	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Di-n-octyl phthalate, Solid*	ND	U		440	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Benzo(b)fluoranthene, Solid*	21000			1200	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Benzo(k)fluoranthene, Solid*	11000			470	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Benzo(a)pyrene, Solid*	23000			520	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	20000			430	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Dibenzo(a,h)anthracene, Solid*	4700			470	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Benzo(ghi)perylene, Solid*	23000			470	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-4
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	80.4			0.10	0.10	1	%	62386		03/01/06 0000	rlm
	% Moisture, Solid	19.6			0.10	0.10	1	%	62386		03/01/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	2.2			0.16	0.55	10.000	mg/Kg	62266		02/28/06 1139	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	8320			21.7	280	1	mg/Kg	62499		03/02/06 2003	nnp
	Antimony, Solid*	ND	U	N	1.2	12.7	1	mg/Kg	62499		03/02/06 2003	nnp
	Arsenic, Solid*	5.9	B		1.3	8.7	1	mg/Kg	62499		03/02/06 2003	nnp
	Barium, Solid*	94.8		N	0.20	2.2	1	mg/Kg	62499		03/02/06 2003	nnp
	Beryllium, Solid*	ND	U	N	0.54	2.2	1	mg/Kg	62499		03/02/06 2003	nnp
	Cadmium, Solid*	ND	U		1.1	3.3	1	mg/Kg	62499		03/02/06 2003	nnp
	Calcium, Solid*	11400		*	12.6	92.4	1	mg/Kg	62499		03/02/06 2003	nnp
	Chromium, Solid*	14.5		*N	0.37	3.3	1	mg/Kg	62499		03/02/06 2003	nnp
	Cobalt, Solid*	5.4		N	0.46	2.2	1	mg/Kg	62499		03/02/06 2003	nnp
	Copper, Solid*	24.6		*N	0.87	5.4	1	mg/Kg	62499		03/02/06 2003	nnp
	Iron, Solid*	17200			11.1	158	1	mg/Kg	62499		03/02/06 2003	nnp
	Lead, Solid*	174			0.83	9.8	1	mg/Kg	62499		03/02/06 2003	nnp
	Magnesium, Solid*	2890			10.0	38.1	1	mg/Kg	62499		03/02/06 2003	nnp
	Manganese, Solid*	263			0.70	2.7	1	mg/Kg	62499		03/02/06 2003	nnp
	Nickel, Solid*	14.5		N	0.48	5.4	1	mg/Kg	62499		03/02/06 2003	nnp
	Potassium, Solid*	891			43.5	217	1	mg/Kg	62499		03/02/06 2003	nnp
	Selenium, Solid*	ND	U		1.7	17.4	1	mg/Kg	62499		03/02/06 2003	nnp
	Silver, Solid*	ND	U	N	0.35	3.3	1	mg/Kg	62499		03/02/06 2003	nnp
	Sodium, Solid*	325			21.7	102	1	mg/Kg	62499		03/02/06 2003	nnp
	Thallium, Solid*	ND	U	N	4.5	10.9	1	mg/Kg	62499		03/02/06 2003	nnp
	Vanadium, Solid*	22.7		N	0.39	4.3	1	mg/Kg	62499		03/02/06 2003	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-4
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	94.0			4.1	21.7	1	mg/Kg	62499		03/02/06 2003	nnp
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		110	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		53	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		60	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		63	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		66	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Benzyl alcohol, Solid*	ND	U		74	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2-Methylphenol, Solid*	ND	U		110	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		55	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		53	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Hexachloroethane, Solid*	ND	U		70	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Methylphenol, Solid*	ND	U		210	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2-Chlorophenol, Solid*	ND	U		100	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Nitrobenzene, Solid*	ND	U		47	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		67	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		66	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Isophorone, Solid*	ND	U		71	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,4-Dimethylphenol, Solid*	ND	U		200	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Hexachlorobutadiene, Solid*	ND	U		80	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Naphthalene, Solid*	120	J		67	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,4-Dichlorophenol, Solid*	ND	U		130	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Chloroaniline, Solid*	ND	U		130	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		100	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		140	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		290	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2-Methylnaphthalene, Solid*	74	J		63	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2-Nitroaniline, Solid*	ND	U		50	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-4
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloronaphthalene, Solid*	ND	U		58	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		130	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,6-Dinitrotoluene, Solid*	ND	U		72	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2-Nitrophenol, Solid*	ND	U		140	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	3-Nitroaniline, Solid*	ND	U		81	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Dimethyl phthalate, Solid*	ND	U		60	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,4-Dinitrophenol, Solid*	ND	U		140	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Acenaphthylene, Solid*	ND	U		48	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		71	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Acenaphthene, Solid*	100	J		65	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Dibenzofuran, Solid*	80	J		63	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Nitrophenol, Solid*	ND	U		170	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Fluorene, Solid*	100	J		51	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Nitroaniline, Solid*	ND	U		57	780	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		60	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Hexachlorobenzene, Solid*	ND	U		58	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Diethyl phthalate, Solid*	ND	U		58	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		54	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Pentachlorophenol, Solid*	ND	U		340	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		59	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		280	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Phenanthrene, Solid*	910			46	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Anthracene, Solid*	380	J		65	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Carbazole, Solid*	160	J		58	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Di-n-butyl phthalate, Solid*	ND	U		52	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Fluoranthene, Solid*	1700			50	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Pyrene, Solid*	1900			54	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Butyl benzyl phthalate, Solid*	ND	U		51	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Benzo(a)anthracene, Solid*	1800			53	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-4
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Solid*	1700			50	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		110	780	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Bis(2-ethylhexyl)phthalate, Solid*	53	J		52	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Di-n-octyl phthalate, Solid*	ND	U		41	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Benzo(b)fluoranthene, Solid*	2700			110	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Benzo(k)fluoranthene, Solid*	1000			44	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Benzo(a)pyrene, Solid*	2900			48	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	2500			40	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Dibenzo(a,h)anthracene, Solid*	820			44	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Benzo(ghi)perylene, Solid*	2600			44	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
8260B	Volatile Organics											
	Chloromethane, Solid*	ND	U		1.1	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Vinyl chloride, Solid*	ND	U		1.1	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Bromomethane, Solid*	ND	U		1.0	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Chloroethane, Solid*	ND	U		2.4	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.4	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Carbon disulfide, Solid*	ND	U		0.76	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Acetone, Solid*	19	J	HB	3.9	25	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Methylene chloride, Solid*	13	J	B	2.7	25	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.72	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,1-Dichloroethane, Solid*	ND	U		1.0	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.3	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	2-Butanone (MEK), Solid*	ND	U		2.2	12	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Chloroform, Solid*	ND	U		0.66	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		1.0	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Carbon tetrachloride, Solid*	ND	U		0.97	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Benzene, Solid*	ND	U		1.1	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.2	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-4
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Trichloroethene, Solid*	ND	U		0.85	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.3	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Bromodichloromethane, Solid*	ND	U		1.0	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.97	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.5	12	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Toluene, Solid*	ND	U		1.0	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.1	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.3	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Tetrachloroethene, Solid*	ND	U		0.87	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	2-Hexanone, Solid*	ND	U		3.1	12	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Dibromochloromethane, Solid*	ND	U		0.51	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Chlorobenzene, Solid*	ND	U		0.98	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Ethylbenzene, Solid*	ND	U		0.98	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Styrene, Solid*	ND	U		1.3	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Bromoform, Solid*	ND	U		1.2	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.5	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Xylenes (total), Solid*	ND	U		2.4	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-5
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	85.6			0.10	0.10	1	%	62386		03/01/06 0000	rlm
	% Moisture, Solid	14.4			0.10	0.10	1	%	62386		03/01/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.46			0.013	0.044	1.0000	mg/Kg	62266		02/28/06 1130	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	8540			25.4	328	1	mg/Kg	62499		03/02/06 2009	nnp
	Antimony, Solid*	ND	U	N	1.4	14.9	1	mg/Kg	62499		03/02/06 2009	nnp
	Arsenic, Solid*	4.9	B		1.5	10.2	1	mg/Kg	62499		03/02/06 2009	nnp
	Barium, Solid*	105		N	0.23	2.5	1	mg/Kg	62499		03/02/06 2009	nnp
	Beryllium, Solid*	ND	U	N	0.63	2.5	1	mg/Kg	62499		03/02/06 2009	nnp
	Cadmium, Solid*	ND	U		1.3	3.8	1	mg/Kg	62499		03/02/06 2009	nnp
	Calcium, Solid*	3270		*	14.7	108	1	mg/Kg	62499		03/02/06 2009	nnp
	Chromium, Solid*	14.2		*N	0.43	3.8	1	mg/Kg	62499		03/02/06 2009	nnp
	Cobalt, Solid*	5.3		N	0.53	2.5	1	mg/Kg	62499		03/02/06 2009	nnp
	Copper, Solid*	21.4		*N	1.0	6.3	1	mg/Kg	62499		03/02/06 2009	nnp
	Iron, Solid*	15200			13.0	184	1	mg/Kg	62499		03/02/06 2009	nnp
	Lead, Solid*	202			0.97	11.4	1	mg/Kg	62499		03/02/06 2009	nnp
	Magnesium, Solid*	2680			11.7	44.4	1	mg/Kg	62499		03/02/06 2009	nnp
	Manganese, Solid*	223			0.81	3.2	1	mg/Kg	62499		03/02/06 2009	nnp
	Nickel, Solid*	12.9		N	0.56	6.3	1	mg/Kg	62499		03/02/06 2009	nnp
	Potassium, Solid*	1240			50.8	254	1	mg/Kg	62499		03/02/06 2009	nnp
	Selenium, Solid*	ND	U		2.0	20.3	1	mg/Kg	62499		03/02/06 2009	nnp
	Silver, Solid*	ND	U	N	0.41	3.8	1	mg/Kg	62499		03/02/06 2009	nnp
	Sodium, Solid*	431			25.4	119	1	mg/Kg	62499		03/02/06 2009	nnp
	Thallium, Solid*	ND	U	N	5.3	12.7	1	mg/Kg	62499		03/02/06 2009	nnp
	Vanadium, Solid*	21.8		N	0.46	5.1	1	mg/Kg	62499		03/02/06 2009	nnp

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-5
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	53.5			4.8	25.4	1	mg/Kg	62499		03/02/06 2009	nnp
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		110	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		51	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		57	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		60	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		63	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Benzyl alcohol, Solid*	ND	U		71	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2-Methylphenol, Solid*	ND	U		100	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		53	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		51	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Hexachloroethane, Solid*	ND	U		66	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Methylphenol, Solid*	ND	U		200	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2-Chlorophenol, Solid*	ND	U		97	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Nitrobenzene, Solid*	ND	U		45	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		64	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		63	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Isophorone, Solid*	ND	U		67	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,4-Dimethylphenol, Solid*	ND	U		190	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Hexachlorobutadiene, Solid*	ND	U		76	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Naphthalene, Solid*	ND	U		64	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,4-Dichlorophenol, Solid*	ND	U		120	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Chloroaniline, Solid*	ND	U		120	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		96	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		140	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		280	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2-Methylnaphthalene, Solid*	ND	U		60	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2-Nitroaniline, Solid*	ND	U		47	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-5
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloronaphthalene, Solid*	ND	U		55	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		130	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,6-Dinitrotoluene, Solid*	ND	U		69	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2-Nitrophenol, Solid*	ND	U		130	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	3-Nitroaniline, Solid*	ND	U		78	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Dimethyl phthalate, Solid*	ND	U		57	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,4-Dinitrophenol, Solid*	ND	U		130	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Acenaphthylene, Solid*	ND	U		46	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		67	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Acenaphthene, Solid*	ND	U		62	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Dibenzofuran, Solid*	ND	U		60	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Nitrophenol, Solid*	ND	U		160	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Fluorene, Solid*	ND	U		48	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Nitroaniline, Solid*	ND	U		54	740	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		57	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Hexachlorobenzene, Solid*	ND	U		55	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Diethyl phthalate, Solid*	ND	U		55	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		52	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Pentachlorophenol, Solid*	ND	U		320	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		56	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		270	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Phenanthrene, Solid*	76	J		44	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Anthracene, Solid*	ND	U		62	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Carbazole, Solid*	ND	U		55	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Di-n-butyl phthalate, Solid*	ND	U		49	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Fluoranthene, Solid*	100	J		47	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Pyrene, Solid*	98	J		52	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Butyl benzyl phthalate, Solid*	ND	U		48	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Benzo(a)anthracene, Solid*	92	J		51	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-5
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Solid*	90	J		47	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		100	740	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Bis(2-ethylhexyl)phthalate, Solid*	52	J		49	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Di-n-octyl phthalate, Solid*	ND	U		39	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Benzo(b)fluoranthene, Solid*	210	J	M	100	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Benzo(k)fluoranthene, Solid*	57	J	M	42	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Benzo(a)pyrene, Solid*	140	J		46	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	130	J		38	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Dibenzo(a,h)anthracene, Solid*	ND	U		42	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Benzo(ghi)perylene, Solid*	170	J		42	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
8260B	Volatile Organics											
	Chloromethane, Solid*	ND	U		1.1	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Vinyl chloride, Solid*	ND	U		1.0	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Bromomethane, Solid*	ND	U		0.96	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Chloroethane, Solid*	ND	U		2.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Carbon disulfide, Solid*	ND	U		0.71	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Acetone, Solid*	6.7	J	B	3.7	23	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Methylene chloride, Solid*	13	J	B	2.6	23	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.68	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,1-Dichloroethane, Solid*	ND	U		0.95	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	2-Butanone (MEK), Solid*	ND	U		2.1	12	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Chloroform, Solid*	ND	U		0.62	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		0.98	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Carbon tetrachloride, Solid*	ND	U		0.91	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Benzene, Solid*	ND	U		1.0	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-5
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Trichloroethene, Solid*	ND	U		0.79	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Bromodichloromethane, Solid*	ND	U		0.98	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.91	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.4	12	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Toluene, Solid*	ND	U		0.98	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.1	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Tetrachloroethene, Solid*	ND	U	H	0.82	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	2-Hexanone, Solid*	ND	U		3.0	12	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Dibromochloromethane, Solid*	ND	U		0.48	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Chlorobenzene, Solid*	ND	U		0.92	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Ethylbenzene, Solid*	ND	U		0.92	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Styrene, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Bromoform, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.4	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Xylenes (total), Solid*	ND	U		2.3	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-6
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	82.8			0.10	0.10	1	%	62386		03/01/06 0000	rlm
	% Moisture, Solid	17.2			0.10	0.10	1	%	62386		03/01/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.23			0.012	0.041	1.0000	mg/Kg	62266		02/28/06 1131	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	6350			23.8	307	1	mg/Kg	62499		03/02/06 2016	nnp
	Antimony, Solid*	ND	U	N	1.4	13.9	1	mg/Kg	62499		03/02/06 2016	nnp
	Arsenic, Solid*	3.5	B		1.5	9.5	1	mg/Kg	62499		03/02/06 2016	nnp
	Barium, Solid*	75.7		N	0.22	2.4	1	mg/Kg	62499		03/02/06 2016	nnp
	Beryllium, Solid*	ND	U	N	0.59	2.4	1	mg/Kg	62499		03/02/06 2016	nnp
	Cadmium, Solid*	ND	U		1.2	3.6	1	mg/Kg	62499		03/02/06 2016	nnp
	Calcium, Solid*	38100		*	13.8	101	1	mg/Kg	62499		03/02/06 2016	nnp
	Chromium, Solid*	15.1		*N	0.40	3.6	1	mg/Kg	62499		03/02/06 2016	nnp
	Cobalt, Solid*	5.6		N	0.50	2.4	1	mg/Kg	62499		03/02/06 2016	nnp
	Copper, Solid*	18.1		*N	0.95	5.9	1	mg/Kg	62499		03/02/06 2016	nnp
	Iron, Solid*	12600			12.1	172	1	mg/Kg	62499		03/02/06 2016	nnp
	Lead, Solid*	144			0.90	10.7	1	mg/Kg	62499		03/02/06 2016	nnp
	Magnesium, Solid*	3560			10.9	41.6	1	mg/Kg	62499		03/02/06 2016	nnp
	Manganese, Solid*	398			0.76	3.0	1	mg/Kg	62499		03/02/06 2016	nnp
	Nickel, Solid*	25.2		N	0.52	5.9	1	mg/Kg	62499		03/02/06 2016	nnp
	Potassium, Solid*	1510			47.6	238	1	mg/Kg	62499		03/02/06 2016	nnp
	Selenium, Solid*	ND	U		1.9	19.0	1	mg/Kg	62499		03/02/06 2016	nnp
	Silver, Solid*	ND	U	N	0.38	3.6	1	mg/Kg	62499		03/02/06 2016	nnp
	Sodium, Solid*	272			23.8	112	1	mg/Kg	62499		03/02/06 2016	nnp
	Thallium, Solid*	ND	U	N	5.0	11.9	1	mg/Kg	62499		03/02/06 2016	nnp
	Vanadium, Solid*	17.1		N	0.43	4.8	1	mg/Kg	62499		03/02/06 2016	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-6
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	38.2			4.5	23.8	1	mg/Kg	62499		03/02/06 2016	nnp
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		110	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		52	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		59	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		61	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		65	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Benzyl alcohol, Solid*	ND	U		73	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2-Methylphenol, Solid*	ND	U		100	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		54	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		52	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Hexachloroethane, Solid*	ND	U		68	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Methylphenol, Solid*	420			210	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2-Chlorophenol, Solid*	ND	U		99	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Nitrobenzene, Solid*	ND	U		46	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		66	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		65	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Isophorone, Solid*	ND	U		69	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,4-Dimethylphenol, Solid*	ND	U		200	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Hexachlorobutadiene, Solid*	ND	U		79	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Naphthalene, Solid*	1100			66	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,4-Dichlorophenol, Solid*	ND	U		130	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Chloroaniline, Solid*	ND	U		120	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		98	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		140	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		290	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2-Methylnaphthalene, Solid*	2000			61	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2-Nitroaniline, Solid*	ND	U		48	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-6
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloronaphthalene, Solid*	ND	U		57	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		130	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,6-Dinitrotoluene, Solid*	ND	U		70	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2-Nitrophenol, Solid*	ND	U		130	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	3-Nitroaniline, Solid*	ND	U		80	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Dimethyl phthalate, Solid*	ND	U		59	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,4-Dinitrophenol, Solid*	ND	U		130	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Acenaphthylene, Solid*	ND	U		47	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		69	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Acenaphthene, Solid*	1300		H	64	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Dibenzofuran, Solid*	1300			61	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Nitrophenol, Solid*	ND	U		160	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Fluorene, Solid*	2800			50	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Nitroaniline, Solid*	ND	U		55	760	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		59	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Hexachlorobenzene, Solid*	ND	U		57	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Diethyl phthalate, Solid*	ND	U		57	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		53	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Pentachlorophenol, Solid*	ND	U		330	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		58	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		280	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Phenanthrene, Solid*	5300			45	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Anthracene, Solid*	990			64	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Carbazole, Solid*	ND	U		57	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Di-n-butyl phthalate, Solid*	ND	U		51	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Fluoranthene, Solid*	1500		H	48	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Pyrene, Solid*	1600			53	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Butyl benzyl phthalate, Solid*	ND	U		50	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Benzo(a)anthracene, Solid*	870			52	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-6
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Solid*	940			48	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		100	760	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Bis(2-ethylhexyl)phthalate, Solid*	75	J		51	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Di-n-octyl phthalate, Solid*	ND	U		40	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Benzo(b)fluoranthene, Solid*	1200			110	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Benzo(k)fluoranthene, Solid*	530			43	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Benzo(a)pyrene, Solid*	1400			47	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	1100			39	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Dibenzo(a,h)anthracene, Solid*	280	J		43	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Benzo(ghi)perylene, Solid*	1200			43	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
8260B	Volatile Organics											
	Chloromethane, Solid*	ND	U		1.1	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Vinyl chloride, Solid*	ND	U		1.1	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Bromomethane, Solid*	ND	U		0.99	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Chloroethane, Solid*	ND	U		2.3	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.3	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Carbon disulfide, Solid*	ND	U		0.74	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Acetone, Solid*	36		B	3.8	24	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Methylene chloride, Solid*	13	J	B	2.7	24	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.70	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,1-Dichloroethane, Solid*	ND	U		0.98	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.3	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	2-Butanone (MEK), Solid*	ND	U		2.1	12	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Chloroform, Solid*	ND	U		0.64	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		1.0	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Carbon tetrachloride, Solid*	ND	U		0.94	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Benzene, Solid*	ND	U		1.0	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.2	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-6
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Trichloroethene, Solid*	ND	U		0.82	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.3	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Bromodichloromethane, Solid*	ND	U		1.0	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.94	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.4	12	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Toluene, Solid*	ND	U		1.0	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.1	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.3	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Tetrachloroethene, Solid*	ND	U		0.85	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	2-Hexanone, Solid*	ND	U		3.1	12	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Dibromochloromethane, Solid*	ND	U		0.50	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Chlorobenzene, Solid*	ND	U		0.95	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Ethylbenzene, Solid*	ND	U		0.95	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Styrene, Solid*	ND	U		1.3	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Bromoform, Solid*	ND	U		1.2	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.5	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Xylenes (total), Solid*	ND	U		2.4	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: GW-1
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212238-7
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Mercury (CVAA)											
	Mercury	ND	U		0.070	0.20	1.0000	ug/L	62286		02/28/06 1522	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	27400			92.0	500	1	ug/L	62390		03/01/06 1935	nnp
	Antimony	ND	U		5.4	20.0	1	ug/L	62390		03/01/06 1935	nnp
	Arsenic	81.0			3.9	40.0	1	ug/L	62390		03/01/06 1935	nnp
	Barium	3030			0.74	5.0	1	ug/L	62390		03/01/06 1935	nnp
	Beryllium	5.1			0.54	5.0	1	ug/L	62390		03/01/06 1935	nnp
	Cadmium	ND	U		1.1	10.0	1	ug/L	62390		03/01/06 1935	nnp
	Calcium	209000			56.0	300	1	ug/L	62390		03/01/06 1935	nnp
	Chromium	47.0			1.3	10.0	1	ug/L	62390		03/01/06 1935	nnp
	Cobalt	17.1			1.8	10.0	1	ug/L	62390		03/01/06 1935	nnp
	Copper	17.2			4.3	10.0	1	ug/L	62390		03/01/06 1935	nnp
	Iron	36500			54.0	200	1	ug/L	62390		03/01/06 1935	nnp
	Lead	433			3.0	10.0	1	ug/L	62390		03/01/06 1935	nnp
	Magnesium	46700			26.0	100	1	ug/L	62390		03/01/06 1935	nnp
	Manganese	2370			6.9	15.0	1	ug/L	62390		03/01/06 1935	nnp
	Nickel	38.4			1.9	10.0	1	ug/L	62390		03/01/06 1935	nnp
	Potassium	42700			191	400	1	ug/L	62390		03/01/06 1935	nnp
	Selenium	ND	U	N	5.0	30.0	1	ug/L	62390		03/01/06 1935	nnp
	Silver	ND	U		1.1	6.0	1	ug/L	62390		03/01/06 1935	nnp
	Sodium	149000			98.0	400	1	ug/L	62390		03/01/06 1935	nnp
	Thallium	ND	U		10.0	40.0	1	ug/L	62390		03/01/06 1935	nnp
	Vanadium	201			1.5	6.0	1	ug/L	62390		03/01/06 1935	nnp
	Zinc	349			11.0	50.0	1	ug/L	62390		03/01/06 1935	nnp
8270C	Semivolatile Organics											
	Phenol	ND	U		0.4	10	1.00000	ug/L	62618		02/27/06 1656	jdw

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: GW-1
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212238-7
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Bis(2-chloroethyl)ether	ND	U		0.9	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	1,3-Dichlorobenzene	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	1,4-Dichlorobenzene	ND	U		0.5	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	1,2-Dichlorobenzene	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Benzyl alcohol	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2-Methylphenol	ND	U		0.6	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,2-oxybis (1-chloropropane)	ND	U		0.6	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	n-Nitroso-di-n-propylamine	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Hexachloroethane	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Methylphenol	ND	U		0.3	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2-Chlorophenol	ND	U		0.6	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Nitrobenzene	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Bis(2-chloroethoxy)methane	ND	U		0.5	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	1,2,4-Trichlorobenzene	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Isophorone	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,4-Dimethylphenol	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Hexachlorobutadiene	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Naphthalene	8	J		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,4-Dichlorophenol	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Chloroaniline	ND	U		0.4	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,4,6-Trichlorophenol	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,4,5-Trichlorophenol	ND	U		0.8	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	Hexachlorocyclopentadiene	ND	U		2	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2-Methylnaphthalene	15			0.6	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2-Nitroaniline	ND	U		1	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	2-Chloronaphthalene	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Chloro-3-methylphenol	ND	U		0.5	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,6-Dinitrotoluene	ND	U		0.6	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2-Nitrophenol	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: GW-1
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212238-7
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3-Nitroaniline	ND	U		0.7	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	Dimethyl phthalate	ND	U		0.6	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,4-Dinitrophenol	ND	U		5	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	Acenaphthylene	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,4-Dinitrotoluene	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Acenaphthene	3	J		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Dibenzofuran	1	J		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Nitrophenol	ND	U		2	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	Fluorene	3	J		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Nitroaniline	ND	U		1	20	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Bromophenyl phenyl ether	ND	U		0.9	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Hexachlorobenzene	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Diethyl phthalate	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Chlorophenyl phenyl ether	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Pentachlorophenol	ND	U		5	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	n-Nitrosodiphenylamine	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4,6-Dinitro-2-methylphenol	ND	U		4	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	Phenanthrene	4	J		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Anthracene	1	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Carbazole	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Di-n-butyl phthalate	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Fluoranthene	2	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Pyrene	2	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Butyl benzyl phthalate	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Benzo(a)anthracene	2	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Chrysene	2	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	3,3-Dichlorobenzidine	ND	U		1	20	1.00000	ug/L	62618		02/27/06 1656	jdw
	Bis(2-ethylhexyl)phthalate	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Di-n-octyl phthalate	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: GW-1
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212238-7
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Benzo(b)fluoranthene	3	J		2	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Benzo(k)fluoranthene	ND	U		0.9	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Benzo(a)pyrene	3	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Indeno(1,2,3-cd)pyrene	1	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Dibenzo(a,h)anthracene	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Benzo(ghi)perylene	2	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		0.50	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Vinyl chloride	ND	U		0.80	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Bromomethane	ND	U		1.2	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Chloroethane	ND	U		0.80	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,1-Dichloroethene	ND	U		0.70	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Carbon disulfide	ND	U		0.90	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Acetone	2.2	J		1.4	10	1.00000	ug/L	62329		02/27/06 1327	lhd
	Methylene chloride	ND	U		0.40	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	trans-1,2-Dichloroethene	ND	U		0.50	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,1-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	cis-1,2-Dichloroethene	ND	U		0.60	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	2-Butanone (MEK)	ND	U		1.2	10	1.00000	ug/L	62329		02/27/06 1327	lhd
	Chloroform	ND	U		0.70	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,1,1-Trichloroethane	ND	U		0.40	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Carbon tetrachloride	ND	U		1.0	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Benzene	0.72	J		0.40	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,2-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Trichloroethene	ND	U		0.70	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,2-Dichloropropane	ND	U		0.90	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Bromodichloromethane	ND	U		0.40	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	cis-1,3-Dichloropropene	ND	U		0.50	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: GW-1
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212238-7
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	ND	U		0.70	10	1.00000	ug/L	62329		02/27/06 1327	lhd
	Toluene	0.78	J		0.30	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	trans-1,3-Dichloropropene	ND	U		0.80	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,1,2-Trichloroethane	ND	U		0.60	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Tetrachloroethene	0.66	J		0.50	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	2-Hexanone	ND	U		0.80	10	1.00000	ug/L	62329		02/27/06 1327	lhd
	Dibromochloromethane	ND	U		0.50	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Chlorobenzene	ND	U		0.40	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Ethylbenzene	ND	U		1.0	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Styrene	ND	U		0.50	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Bromoform	ND	U		0.80	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,1,2,2-Tetrachloroethane	ND	U		0.40	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Xylenes (total)	2.1	J		1.0	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
7470A	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.070	0.20	1.0000	ug/L	62286		02/28/06 1523	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Diss.	ND	U		92.0	500	1	ug/L	62390		03/01/06 1959	nnp
	Antimony, Diss.	ND	U		5.4	20.0	1	ug/L	62390		03/01/06 1959	nnp
	Arsenic, Diss.	11.2	B		3.9	40.0	1	ug/L	62390		03/01/06 1959	nnp
	Barium, Diss.	84.6			0.74	5.0	1	ug/L	62390		03/01/06 1959	nnp
	Beryllium, Diss.	ND	U		0.54	5.0	1	ug/L	62390		03/01/06 1959	nnp
	Cadmium, Diss.	ND	U		1.1	10.0	1	ug/L	62390		03/01/06 1959	nnp
	Calcium, Diss.	97100			56.0	300	1	ug/L	62390		03/01/06 1959	nnp
	Chromium, Diss.	ND	U		1.3	10.0	1	ug/L	62390		03/01/06 1959	nnp
	Cobalt, Diss.	ND	U		1.8	10.0	1	ug/L	62390		03/01/06 1959	nnp
	Copper, Diss.	ND	U		4.3	10.0	1	ug/L	62390		03/01/06 1959	nnp
	Iron, Diss.	ND	U		54.0	200	1	ug/L	62390		03/01/06 1959	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: GW-1
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212238-7
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Lead, Diss.	ND	U		3.0	10.0	1	ug/L	62390		03/01/06 1959	nnp
	Magnesium, Diss.	38000			26.0	100	1	ug/L	62390		03/01/06 1959	nnp
	Manganese, Diss.	473			6.9	15.0	1	ug/L	62390		03/01/06 1959	nnp
	Nickel, Diss.	ND	U		1.9	10.0	1	ug/L	62390		03/01/06 1959	nnp
	Potassium, Diss.	33500			191	400	1	ug/L	62390		03/01/06 1959	nnp
	Selenium, Diss.	ND	U	N	5.0	30.0	1	ug/L	62390		03/01/06 1959	nnp
	Silver, Diss.	ND	U		1.1	6.0	1	ug/L	62390		03/01/06 1959	nnp
	Sodium, Diss.	141000			98.0	400	1	ug/L	62390		03/01/06 1959	nnp
	Thallium, Diss.	ND	U		10.0	40.0	1	ug/L	62390		03/01/06 1959	nnp
	Vanadium, Diss.	9.8			1.5	6.0	1	ug/L	62390		03/01/06 1959	nnp
	Zinc, Diss.	ND	U		11.0	50.0	1	ug/L	62390		03/01/06 1959	nnp

* In Description = Dry Wgt.

APPENDIX B

Geotechnical Report

Geotechnical Engineering Study

for

551 West 21th Street
New York, New York

Prepared For:

Mr. Max Eisenstein
551 West 21st Street Owner, LLC
375 Park Avenue
Suite 2703
New York, New York 10152

Prepared By:

Langan Engineering & Environmental Services, P.C.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

6 July 2012
170193301

Geotechnical Engineering Study

for

551 West 21th Street
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Prepared For:

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Suite 2703
New York, New York 10152

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21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001

Jared M. Green, P.E.
New York State Professional Engineer License No. 085383

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New York State Professional Engineer License No. 0802201

6 July 2012
170193301

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INTRODUCTION

We previously completed an investigation in 2005 and issued a report titled, "Geotechnical Engineering Study – West 21st Street and 11th Avenue, New York, New York", dated 21 December 2005. This report presents the results of our additional geotechnical engineering fieldwork and analysis for the proposed development at 551 West 21st Street, New York, New York. Our study included a field investigation, an evaluation of the subsurface conditions, and development of recommendations for geotechnical related design parameters. An overview of the project, the results of our investigation, and a summary of our recommendations are presented in this report. All services were performed in accordance with Langan Engineering and Environmental Services, P.C. (Langan) proposal to Mr. Max Eisenstein dated April 12, 2012.

Ground surface elevations are based on information from available USGS Quadrangle maps. Elevations are with respect to the Borough President of Manhattan Datum (BPMD), which is 2.75 feet (ft) above US Coast and Geodetic Survey Datum (Mean Sea Level at Sandy Hook, NJ, 1929)[1]. Site survey information is taken from the Progress Plot of the Langan Boundary survey dated June 5, 2012. Architectural information was provided by Foster and Partners. Structural information was provided by DeSimone Consulting Engineers (DCE).

SITE DESCRIPTION

The project site is on the city block bordered by West 22nd Street to the north, Tenth Avenue to the east, West 21st Street to the south and Eleventh Avenue to the west (i.e., Block 693) in Manhattan, New York. The site is on the northeast corner of the intersection of Eleventh Avenue and West 21st Street, known as Lots 1 and 8. The property has a 106-ft frontage along Eleventh Avenue and a 157-ft frontage along West 21st Street and the site is about 99 ft deep. The total site area is about 12,450 sq-ft. A site location map is presented in Figure 1.

The site is occupied by a four-story building on Lot 1 and a one-story building on Lot 8. Sidewalk grade ranges from about el 4.58 to el 5.10 BPMD (increase from west to east).

According to the FEMA Flood Insurance Rate Map (FIRM) number 3604970182F, Panel 184 of 457 dated 5 September 2007, the site is located in Zone AE, described as "areas subject to inundation by the one percent annual chance flood", and commonly referred to as the 100-year

[1] BPMD = USGS – 2.75

flood. The corresponding Base Flood Elevation (BFE) is el 7.25 BPMD (el 10 NGVD 1929). The Flood Map is presented as Figure 2.

Surrounding Structures

The site is bordered to the northwest by the four-story Chelsea Art Museum (154 Eleventh Avenue); to the north by a four-story structure (554 West 22nd Street); to the northeast by a three story structure (542 West 22nd Street); and to the east by an eight story structure (541 West 21st Street).

The Chelsea Art Museum (Block 693, Lot 64) is of brick bearing wall construction. Based on our 2005 investigation, the foundation level of the on-site building adjacent to 554 West 22nd Street extends at least 5 feet – 6 inches below sidewalk grade. The foundation level of the two buildings is presumed to be the same. The brick bearing walls are supported by timber piles, based on our 2005 study.

The four story building at 554 West 22nd Street (Block 693, Lot 59) is a brick building. The extent and depth of the below grade space could not be confirmed as access has not yet been granted.

The three story building at 542 West 22nd Street (Block 693, Lot 56) is a brick building. The extent and depth of the below grade space could not be confirmed as access has not yet been granted.

The eight story building at 541 West 21st Street (Block 693, Lot 10) is of brick bearing wall construction. Based on our 2005 investigation, the first floor is about 2 feet – 9 inches above the sidewalk grade and the cellar slab is about 5 feet – 6 inches below sidewalk grade. The foundation level of the on-site buildings adjacent to 541 West 21st Street extends at least 7 ft below sidewalk grade. The foundation level of the two buildings is presumed to be the same. Cracks on this building façade were noted during our sub-surface investigation.

Site History

The west shoreline of Manhattan has been extended into the Hudson River numerous times since the first European landfall in the early 1600's. The early shoreline near the subject site is believed to traverse in a north-south direction between present day Ninth and Tenth Avenues. The historic shoreline limits are shown in the 1815 Sackersdorff map (Figure 3) and in the 1865 Viele map (Figure 6). The 1852 Dripps and Harrison map (Figure 4) shows a pier-type structure that extended along present day West 21st Street from Tenth Avenue to present day Eleventh Avenue. The width of the structure is not known and any encroachment onto the site is not known from the map. The construction is presumed to have been timber platform with timber

piles. The 1857 Dripps and Harrison map (Figure 5) shows the presence of Eleventh Avenue and "13th"Street just west of the site. Thus the filling of the site occurred during this time between 1852 and 1857. The 1865 Viele map (Figure 6) also shows the extent of marsh lands, streams, meadows and filled land within the immediate site vicinity.

The land uses of the site from 1895 to the present are documented on Sanborn® maps. Past site uses have included a lumber yard, smelter and auto repair shop. The present-day structures were built between 1904 and 1921. Copies of all available Sanborn® maps are provided in Appendix A.

REGIONAL GEOLOGY

The site is beyond the historic shoreline of Manhattan on filled land. Natural soil material within the Hudson River generally consists of thick clay deposits underlain by sand and gravel.

The "Geologic Map of New York City and Adjacent Part of New Jersey" by US Geological Survey is shown in Figure 7 and describes the bedrock underlying the site is part of the Hartland Formation. The Hartland Formation, is comprised of a dark gray, medium to coarse-grained muscovite-biotite-garnet (mica) schist, a black quartz-biotite-hornblende amphibolite, and gray fine-grained quartz-feldspar granulite with biotite and garnet, with localized concentrations of granite and intrusions of coarse-grained granitic pegmatite. Granulite, amphibolite, and schist are metamorphic rocks formed under the effects of heat and pressure during deep burial within the earth's crust.

The predominant feature of the Hartland Formation is the parallel alignment of the mineral grains, referred to as schistosity of foliation. The foliation in the Hartland Formation generally dips steeply to the west or the east depending on local conditions of folding, although foliation dipping to other directions or nearly horizontal foliation have been observed. The quality of the mica schist, amphibolite, and granulite is generally fair to good, and tends to improve with depth. However, localized shear zones and zones of decomposed rock are known to exist, sometimes to significant depths.

PROPOSED CONSTRUCTION

The latest DCE structural plans show the proposed building will be 20 stories with one below grade level. The cellar is planned to occupy the entire lot and will have a footprint of about 20,000 sq-ft. The building structure will be cast-in-place concrete floors with concrete columns and shear walls. The typical axial column load is about 1,200 kips; there are a number of "super columns" that have loads on the order of about 3,000 to 5,000 kip per column. Uplift on the

order of about 1,025 psf (unfactored) is expected for wind and seismic events. The cellar floor slab will be a structural slab cast integral with the foundations and designed to withstand the hydrostatic pressure resulting from the base flood elevation.

SUBSURFACE INVESTIGATION

Borings

The subsurface investigation consisted of drilling eleven soil borings in two phases. Borings B-1(OW) through B-7 were drilled by Aquifer Drilling and Testing, Inc. between 11 October and 3 November 2005; borings B-8 through B-11 were drilled by Warren George, Inc. between 21 May and 4 June 2012. The boring depths ranging from about 60 ft to 102 ft below ground surface. All borings were drilled under the full-time special inspection of a Langan engineer. Locations of the borings are shown on Figure 8, Boring and Test Pit Location Plan.

Borings B-1(OW) through B-5(OW) and B-8 through B-11 were advanced using mud rotary drilling techniques and steel casing for soil support where necessary. Borings B-1(OW), B-4, and B-5 were drilled using a CME 75 truck-mounted rig. Borings B-2 and B-3 were drilled using a DK 515 limited access drill rig. Borings B-8 and B-9 were drilled using a portable electric drill rig. Borings B-10(OW) and B-11 were drilled using a DK 525 track-mounted drill rig. Standard Penetration Tests (SPT)[2] and split spoon sampling were conducted continuously through the fill, typically a depth of about 12 ft below grade, and at 5-ft intervals thereafter using a 140-lb donut hammer (B-2, B-3, and B-8 through B-11) or a 140-lb safety hammer (B-1(OW), B-4, B-5(OW)). Bedrock was cored using an NX-size double tube core barrel with a diamond bit. Percent recovery and Rock Quality Designation (RQD) were determined for each core run.

Soil samples were visually examined and classified in the field in accordance with the Unified Soil Classification System (USCS), and assigned classification numbers in accordance with the New York City Building Code (Building Code). Soil classifications, Standard Penetration Resistances (N-values), and other field observations were recorded on field logs. Langan field logs are presented in Appendix B.

Borings B-6 and B-7 were drilled using auger drilling techniques with 8-inch outside diameter hollow stem auger. The purpose of these borings was to attempt to identify the limits of the former pier structure. No soil samples were recovered.

[2] The Standard Penetration Test is a measure of the soil density and consistency. The SPT N-value is defined as the number of blows required to drive a 2-inch outer diameter split-barrel sampler 12-inches, after an initial penetration of 6-inches, using a 140-pound hammer falling freely for 30-inches. (in accordance with ASTM D-1586)

Seismic Cone Penetration Tests (CPT)

One Seismic CPT was performed by ConeTec on 5 June 2012. SCPT-1 began recording soil properties at the start of the natural soil due to the inability of the cone tip to advance past obstructions in the fill layer without pre-drilling. SCPT-1 was completed with a portable rig and advanced to a depth of 64 ft where refusal (rock) was encountered. The results are presented in the Site Specific Seismic Study, included herein as Appendix D.

Observation Wells

Upon completion of drilling, borings B-1(OW), B-5(OW), and B-10(OW) were converted to observation wells. Observation wells B-1(OW) and B-5(OW) extended to a depth of 25 ft below ground surface. Both wells were constructed with a 20-ft screen and a 5-ft solid riser pipe. Observation well B-10(OW) extended to a depth of 12 ft below ground surface which included a 10-ft screen and 2-ft solid riser pipe. The annulus around the PVC pipe was backfilled with No. 1 filter sand to about 2.5 ft below the sidewalk and a 2-ft thick bentonite pellet seal was placed to the bottom of the well cap to prevent surface water from influencing the well readings. Protective flush-mounted steel well caps were installed at the ground surface at the well location. The well construction logs are presented in Appendix B.

Test Pit Investigation

Two test pits (TP-1 & TP-2) were excavated during our 2005 investigation to identify the type and extent of the foundations of the neighboring structures. The test pits were performed inside the existing 1-story structure on the property. The test pits were excavated by Aquifer Drilling and Testing, Inc. and were inspected by a Langan engineer. The test pit logs are presented in Appendix C. Test pit TP-1 was excavated along the east wall of the building to investigate the foundation of the adjacent 8-story brick building. Test pit TP-2 was excavated along the north wall of the building to investigate the foundation of the adjacent 4-story brick building. The nature of the 3-story brick foundation to the north-west of the property could not be determined due to access issues.

Laboratory Testing

Selected soil samples from the subsurface investigations were sent to the laboratory to determine their engineering properties. The laboratory testing program consisted of:

- 3 Sieve analyses
- 8 Water Content determinations
- 6 Liquid and Plastic Limit determinations
- 5 Percent Fines Passing #200

- 2 Organic Content
- 3 Consolidation Tests
- 2 Unconsolidated Undrained Triaxial Tests

The laboratory data is included in Appendix D.

SUBSURFACE CONDITIONS

The soil profile generally consists of a surficial layer of uncontrolled fill underlain by soft organic clay, grey to brown sand with lenses of silt and clay,, decomposed rock, and finally bedrock. Detailed description of each subsurface stratum is given below in order of increasing depth. Representative subsurface profiles are provided in Figures 9 through 11.

Surface Material

The existing concrete basement slabs vary from 2 inches to 6 inches thick. The exterior concrete sidewalk is about 6 inches thick; however, boring B-1 encountered a 12-inch-thick concrete slab.

Uncontrolled Fill [Class 7][3]

A layer of uncontrolled fill, generally consisting of brown to grey, course to fine grained sand with varying amounts of gravel, silt, brick, boulders, and construction debris was encountered immediately below the surface pavement. The fill ranged in thickness from about 10 feet to about 25 feet. Standard Penetration Resistances (N-values) ranged from 0 blows per foot to more than 100 blows per foot (blows/ft), with an average of 19 blows/ft. Occasionally, spoon refusal (more than 50 blows over six inches of penetration or 100 blows over one foot of penetration) occurred where obstructions such as coarse gravel, wood, bricks, and boulders were encountered.

<u>Obstructions</u>

Borings B-4, B-8 and SCPT-1 encountered timber in the fill material at depths ranging from about 9 ft to 34 ft below ground surface. Two split spoon samples in boring B-4 recovered pieces of wood 17 inches and 20 inches long, respectively. Wood fragments were also observed in drilling fluid in this zone. These are likely remnants of the former pier structure that extended below present day 21st Street. Hard drilling was encountered in many of the borings within the existing building extents including boring B-2, B-8, B-9, and SCPT-1 ranging from

[3] Numbers in brackets indicate classification of soil and rock materials in accordance with the New York City Building Code (2008).

depths of 2-ft to 17-ft below grade. Some of these borings even required coring to get through boulders and rip-rap obstructions. Cored rip-rap resembled mica schist shot rock which would commonly be found around docks.

One mechanical grain size analyses and three percent fines passing #200 were performed on four representative samples of this stratum. The percent passing the No. 200 sieve ranged from 9.8 to 30.0 percent. The samples are classified as silty sand (SM) and poorly-graded sand (SP) in accordance with Unified Soil Classification System (USCS).

The fill layer is designated as Building Code Class 7, Controlled and Uncontrolled Fills.

Soft Organic Clay [Class 6]

Below the uncontrolled fill layer is a clay stratum characterized as soft, gray, medium to high plasticity organic clay. The layer's thickness ranged from about 33 feet to about 54 feet. The depth to the top of organic clay ranged from 10 feet to 25 feet below the ground surface and the corresponding elevation of top of organic clay ranged from about el -5 BPMD to el -20 BPMD. The N-values ranged from weight of hammer (W.O.H) to 23 blows/ft, with an average of about 4 blows/ft.

The natural water content ranged from 36 to 66 percent (average 50 percent), the liquid limit ranged from 43 to 86 percent (average 59 percent), and the plasticity index ranged from 25 to 52 percent (average 34 percent). Two samples were tested for organic content; the organic content was about 2 to 4 percent. The undrained shear strength for two tested samples ranged from 640 to 690 pounds per square foot (psf). Based on two consolidation test, the organic clay is normally consolidated; the compression ratio ranged from 0.133 to 0.192 and the recompression ratio ranged from 0.018 to 0.024.

This natural organic clay layer is classified as OH/CH in accordance with USCS and is designated as Building Code Class 6 material.

Till [Class 3a & 3b]

A glacial deposit was encountered below the organic clay and is characterized as loose to very dense, gray to brown, fine to medium grained sand, with silt, gravel and clay. There are intermittent layers of clay, gravel and silt present in this layer. The sand layer ranged from about 0.5 ft to 34 ft in thickness and extended from depths ranging from about 54 feet to 67 feet below the existing ground surface to the top of the bedrock. The N-values ranged from 7 blows/ft to 67 blows/ft with an average of 22 blows/ft.

Two mechanical grain size analyses and two percent fines passing #200 were performed on four representative samples of this stratum. The percent passing the No. 200 sieve ranged from 25.9 to 71.2 percent. The natural water contents of the samples tested ranged from 19.3 to 23.8 percent. The samples are classified as silty sand (SM) varved with layers of lean sandy silt (ML) in accordance with Unified Soil Classification System (USCS).

The sand layer is designated as Building Code Class 3, Medium and Dense Granular Soils.

Weathered Rock [Class 1d]

Weathered rock was encountered below the sand in all borings except boring B-10(OW). The material thickness ranged from less than 1 ft to 4 ft. N-values in the material ranged from 100 blows for 5 inches or less of spoon penetration.

The weathered rock is designated as Building Code Class 1d, Soft Rock.

Bedrock [Class 1a & 1b]

The bedrock is typically characterized as gray, hard, slightly weathered, mica schist. Boring B-8 found a black quartz-biotite-hornblende amphibolite at el. -62 BPMD and boring B-10(OW) found a gray fine-grained quartz-feldspar granulite with biotite and garnet at el. -64 BPMD. These rock formations are also known to be found within the Hartland Formation and the rock cores show that these materials exhibit similar strength properties to the mica schist covering most of the site.

The depth to bedrock ranged from about 66 feet to about 92 feet below the grade and the corresponding top of rock elevation ranged from el -62 BPMD to el -87 BPMD. Two 5-foot core runs were recovered in borings B-1 through B-5. One 5-foot core run was recovered in borings B-8, B-10(OW) and B-11. Recoveries ranged from 100 percent to 80 percent with an average of 97 percent, and RQD values ranged from 100 percent to 63 percent with an average of 86 percent.

The second 5-ft long core run in boring B-4 returned a rock core of 15 inches that resulted in a recovery of 25 percent and a corresponding RQD of 25 percent. The driller reported that the core likely slipped out when recovering the barrel. This run was omitted from our analysis of the bedrock recoveries and RQD values.

The bedrock is designated as Building Code Class 1a and Class 1b, Hard Sound Rock to Medium Sound Rock.

Groundwater

The groundwater level at the site was monitored in the observation wells B-1(OW) and B-5(OW) on 3 November 2005 as well as in B-10(OW) between 22 May and 4 June 2012. The measured water level varied from 7.7 feet to 8.0 feet and averaged 7.9 feet below the ground surface. The corresponding elevation is el -3.3 BPMD.

EVALUATION

Based on the findings of the subsurface investigation, we expect that the proposed development can be supported on deep foundation elements socketed into the bedrock. Anticipated foundation challenges include the following.

- Excavation and construction of new foundations and site utilities may be hindered by the presence of miscellaneous fill / timber cribbing used to fill the historic dock during the 1800's.

- Presence of an organic layer under the fill extending approximately 60 feet below the ground surface is not suitable for support of the proposed building loads.

- Excavation support and underpinning of adjacent neighboring structures and installation of the support of excavation will require excavation below the groundwater level within challenging soils.

- The seismic design parameters will result in high seismic loads. We have prepared a site specific seismic study to evaluate the seismic criteria.

Seismic Evaluation

Seismic design parameters for the site were developed via the performance of a site-specific seismic study. A summary of the site-specific seismic study results are as follows:

- The site was designated as Site Class E

- The recommended design response spectrum is shown on Figure 12 of Appendix D.

- The short- and long- period design accelerations obtained from the recommended design response spectrum are:

  - S_{DS} = 0.415g at a period of 0.2 seconds
  - S_{D1} = 0.133g at a period of 1.0 seconds

- The recommended design spectral accelerations in conjunction with a Seismic Use Group I result in a Seismic Design Category of C.

- Our analyses indicate an adequate factor of safety against soil liquefaction; therefore, soil liquefaction need not be considered in design of the structure.

A full report of our site-specific seismic study is presented in Appendix D.

RECOMMENDATIONS FOR FOUNDATION SUPPORT

Foundation System

The uncontrolled fill and organic clay that extended to a depth of about 60 feet below the ground surface are not suitable for support of the proposed building loads. Therefore, a deep foundation system is needed to transfer the building loads to the underlying sand or bedrock. We recommend piles bearing on the Building Code Class 1c or better bedrock be used for foundation support.

We recommend a drilled pile socketed into the bedrock. Driven piles are judged not practical because of timber cribbing and large obstructions associated with filling of the site. Borings uncovered layers of timber and riprap within the fill material coinciding with the location of a historical dock running through the property. Large obstructions such as these would hinder the advancement of driven piles.

Caisson Piles

The recommended drilled caisson pile consists of an open-ended steel pipe installed to the top of rock and an uncased rock socket. The steel pipe should be advanced to the top of rock using duplex-drilling techniques with internal water flushing through the overburden material. Alternatively, the casing can be advances with a soil plug and the soil excavated from within the casing. The uncased socket is often drilled into the bedrock using a down-the-hole hammer. After drilling, both the steel pipe and the rock socket are filled with grout (or concrete for larger diameters) and steel reinforcement.

The contractor is entirely responsible for controlling the means and methods of drilled pile construction. However, the contractor must ensure:

- the drill bit does not advance beyond the bottom of the steel casing,
- external flush of drilling fluid on the outside of the steel casing does not occur, and
- that air-flushing is not used.

The geotechnical load carrying capacity of the drilled pile is derived from the peripheral shear between the concrete fill and the side of the rock socket. The recommended peripheral shear resistance for gravity loads is 200 pounds per square inch for sockets in Building Code Class 1c or better rock. We recommend that the drilled pile casing be advanced through the weathered rock and the rock socket is entirely in Building Code Class 1c rock (or better).

Pile lengths to about 60 feet to 80 feet below the ground surface are anticipated. The balance of the caisson pile design is presented below.

Caisson Pile Element – Design Parameters

Design Compressive Capacity (tons)	Design Tensile Capacity (tons)	Casing Outside Diameter (inch)	Casing Wall Thickness (inch)	Rock Socket Length (ft)	Cement Grout 28-day Strength (psi)	Reinforcing (Grade 75)
150	75	9 5/8	½	10	4,000	1 # 20
500	75	18	½	10	4,000	6 # 18

Load tests are not required to substantiate the drilled pile capacity; however, video inspection (special inspection) of the rock socket for each caisson will be required.

Pile Spacing

The center-to-center spacing of caisson sockets shall be at least two and one-half times the outside diameter of the shell but not less than 4 feet.

Seismic Design of Pile Caps

Individual pile caps shall be interconnected by seismic ties. Ties shall be capable of carrying, in tension and compression, a force equal to the product of the larger pile cap or column load times the seismic coefficient, SDS, divided by 10 unless it can be demonstrated that equivalent restrain is provided by reinforced concrete beams within slabs on grade or reinforced concrete slabs on grade.

Seismic Design Pile Reinforcing

The seismic design category will require internal seismic steel reinforcing be installed within each of the pile elements. The detailing of this reinforcing is based on the results of the site specific seismic study and we will address in the project design development.

Piles Located Near a Lot Line

Piles located near a lot line shall be designed on the assumption that the adjacent lot will be excavated to a depth of 10 ft below the nearest legally established curb level. The portion of the pile exposed shall be deemed to provide no lateral support.

Estimated Settlement

We anticipate total column settlements to be ½ inches plus the elastic shortening of the pile. The differential settlement between adjacent columns is estimated less than ½ inches. The majority of the settlement is expected to occur during construction as the dead weight of the structure is applied.

Lateral Pile Capacity and Load Test

The Building Code allows a maximum basic lateral load of 1 ton per pile. Should lateral resistance in excess of 1 ton per pile be required, lateral load tests must be performed, along with analysis to demonstrate capacity and group effects. The lateral load test shall be performed in accordance with ASTM D3966 and the maximum allowable lateral load shall not be more than one-half the test load producing a gross lateral movement of 1 inch at the ground surface.

Frictional resistance along the base of pile caps and underside of floor slab should not be used for lateral resistance, as consolidation of the underlying soils may cause a gap to form beneath the pile cap. Passive pressure along the face of the pile cap may be used for lateral resistance; however consideration must be given to compatible deflection-resistance relationships to evaluate the contribution of lateral resistance provided by the piles and cap. Passive pressure on the cap can be evaluated further if higher lateral capacity must be resisted than can be provided by the pile design alone.

OTHER GEOTECHNICAL RECOMMENDATIONS

Permanent Groundwater Control

The groundwater level measured in the observation wells was about el -3 BPMD. The flood insurance maps show the site in the Special Flood Hazard Area, Zone AE. The corresponding BFE is el 7.25 BPMD. This is about 2.5 ft above the average existing site grades.

The Design Flood Elevation (DFE) for the proposed development having Structure Category II is equal to the BFE, el 7.25 BPMD. The first floor must be set at least to el 7.25 BPMD and the building must be floodproofed to el 7.25 BPMD. Additional Flood Zone requirements pertaining to the building use, occupancy, finishes, location of mechanical / electrical utilities, etc. are

covered in Appendix G (Flood-Resistant Construction; 2008 NYC Building Code) and ASCE 24 (Flood Resistant Design and Construction). The project architect must confirm that the building design complies with these requirements. Flood zone insurance premiums may indeed govern and therefore dictate the use of a higher slab elevation or more stringent flood zone compliance than stated herein. Flood zone code compliance does not necessarily exempt flood zone insurance premiums for the development.

Waterproofing

All below-grade perimeter walls and the underside of the basement slab of the new building should be fully waterproofed (floodproofed) to the DFE (el 7.25). A continuous sheet membrane type waterproofing is recommended such as Grace Preprufe and Bituthene products. The use of bentonite waterproofing is strongly discouraged. The waterproofing membrane should be applied to a firm and even substrate in accordance with manufacturer recommendations for both vertical and horizontal applications. A 3-inch-thick layer of concrete ("mud mat") should be poured on the subgrade to assist with the application of the waterproofing below the basement floor slab.

Quality control is critical to a successful waterproofing project. The waterproofing should be installed by a contractor certified by the waterproofing manufacturer. The waterproofing operations should be inspected daily, especially during placement of reinforcement for the structural slabs and walls. Any holes or rips should be repaired in accordance with the manufacturer's recommendations. All seams including joints between the wall and slab waterproofing, expansion joints, seals around piles, and all corners should be checked for tightness. The waterproofing manufacturer should be onsite to inspect the waterproofing operations.

Ground Floor Slabs

The cellar floor slab should be a structural pressure slab integrated with the pile foundations. The slab should be designed to withstand downward dead load plus live loads. Additionally, the pressure slab must be designed to resist the hydrostatic uplift pressures resulting from the DFE of el 7.25 BPMD. For a 15 foot floor-to-floor cellar, 3.5 ft flood to grade and a 12-inch-thick pressure slab, the uplift pressure is about 1,300 pounds per square foot.

Utility Support

Utilities constructed below ground level floor slabs may be subjected to settlement resulting from consolidation of the underlying compressible organic clay layer. Utilities therefore should be hung from the structural slabs. Utility lines and their supports should have adequate

strength to carry the weight of the utility and soil cover. Alternately, we recommend that integrated utility chases (trenches) are cast into the slab to accommodate the utilities. Where the utility pipes transition from the pile supported building to on-grade support, flexible connections should be considered.

Permanent Below-Grade Walls

Permanent below grade walls will be subjected to lateral pressures due to soil, surcharges and groundwater (hydrostatic). In the static loading condition, lateral pressures from earth, groundwater and surcharge loads should be considered. The recommended design lateral earth pressure diagram has a triangular distribution using an equivalent fluid weight of 25 psf per foot of depth of soil plus the 100 year flood hydrostatic water pressure (el 7.25 BPMD) as shown on Figure 12. Our lateral pressures assume a sidewalk grade at el 4, and 3-ft of standing water during the flood event. We recommend that a surcharge load of 600 psf be considered for the south and west basement wall (adjacent to 21st Street and Eleventh Avenue), and that 200 psf be utilized for adjacent buildings. Lateral pressures due to surcharge have a uniform distribution based on a pressure equal to 40 percent of the vertical pressure.

Passive Earth Pressures

The soil from the ground surface to a depth of 10-ft below grade will provide earth pressure during earthquake or wind event. The recommended passive earth pressure distribution is a triangular distribution having an equivalent fluid pressure of 250 psf per foot of depth.

Temporary Excavation Support System

We recommend the soil properties tabulated below are used for design of the temporary excavation support system.

Design Groundwater Level (el +3 BPMD)

Soil Material	Density (pcf)	Friction Angle(^{O})	Cohesion (psf)
Fill	110	30	0
Clay	95	20	100
Till	130	30	50

The support of excavation designer should develop distributions for earth and hydrostatic pressures based upon the above parameters.

SITE PREPARATION AND CONSTRUCTION RECOMMENDATIONS

Our recommendations for backfill and compaction, pre-construction documentation, monitoring and Special Inspection are presented herein.

Backfill and Compaction

Backfill material should be free of organic, frozen, and other deleterious materials, and should have a maximum particle size no greater than 6 inches and have less than 20 percent by dry weight passing to No. 200 sieve. Excavated on-site fill can be used provided it meets the above gradation requirements. All fill should be compacted to at least 95 percent of the material's maximum dry density, as determined by the Modified Compaction Test (ASTM A1557). All backfill should be placed and compacted in uniform 12-inch-thick lifts. Lightweight compaction equipment should be utilized adjacent to subgrade walls.

Pre-Construction Documentation

We recommend that a pre-construction conditions survey of the three adjacent buildings and sidewalks be undertaken prior to any construction activities. We have observed existing cracks on the facade of the 8-story building at 541 West 21st Street during our sub-surface investigation. Pre-construction conditions documentation will help protect the Owner from potential claims of construction induced damage. Langan can provide this service prior to construction.

Monitoring Program

During active excavation operations, a precise optical survey program should be implemented to monitor for vertical and horizontal movements of surrounding structures. Survey control points should also be established to monitor lateral movement of the excavation bracing system. We recommend at least six points on each of the three adjacent buildings (on both the upper third and lower third of each building). The survey should be performed at least twice weekly during excavation, with measurements taken to the nearest 0.005 feet. The survey should be performed by a surveyor licensed for the State of New York. Excavation work should be temporarily stopped if movements (vertical or horizontal) exceed about ¼-inch over two readings or a movement trend develops over several readings. Depending on the findings of the preconstruction conditions documentation, crack gauges may be required to monitor for crack changes inside and/or outside the adjacent structures during work. Seismographs should also be used to monitor construction induced vibrations at the foundation level of the adjacent structures during rock socket installation.

Underpinning

The planned excavation will extend below the cellar level of the adjacent buildings to the north and east. The type and depth of the existing foundations and the exact elevation of the adjacent building foundations have to be properly understood in order to quantify and design the underpinning or earth retention system.

As such:

1) Test pits are required alongside the existing buildings to be underpinned to the north and east.
2) The slab elevations of the adjacent cellar levels are to be determined when access is granted for the same.

The underpinning and excavation support requirements will not be completely defined until after the excavation of the test pits. These are critical to determine the extent of underpinning and excavation required for the proposed development.

Special Inspections

Excavation and foundation work is subject to various Special Inspections in accordance with the Building Code. Construction activities that require Special Inspections include pile installation, pile load tests, support of excavation and underpinning, and backfilling and compaction. To maintain the continuity of our responsibility on the project, we strongly suggest that this work be done under the full time inspection of a representative of our firm. In this manner, we can determine if the design intent is being met and provide quick responses to construction questions and issues.

LIMITATIONS

The conclusions and recommendations given in this report are based on subsurface conditions inferred from borings at specific site areas, and from estimated structural information. Recommendations given are contingent upon one another and no recommendations should be followed independent of the others.

Information on subsurface strata and groundwater levels shown on the logs represents conditions encountered only at the locations indicated and at the time of investigation. If different conditions are encountered during construction, they should immediately be brought to our attention for evaluation as they may affect our recommendations.

Temporary equipment used to construct the building (cranes, hoists, etc.) may have different foundation requirements than those of the new building development. The analysis and design of their foundations is beyond the scope of this study and report.

Environmental issues (such as potentially contaminated soil and groundwater) are outside the scope of this study.

This report was produced for the proposed residential development at West 21st Street and Eleventh Avenue and in Manhattan, New York. Langan Engineering and Environmental Services, PC cannot assume responsibility for the use of this report to generate foundation design other than at the specific site addressed in this report.

FIGURES

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551 W. 21ST STREET

SITE LOCATION PLAN

MANHATTAN NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	N.T.S.	1

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FEMA FLOOD INSURANCE RATE MAP

MANHATTAN NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	N.T.S.	2

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NOTE: MAP TAKEN FROM PLATE 5 OF "MAPS OF FARMS - COMMONLY CALLED - THE BLUE BOOK 1815" BY OTTO SACKERSDORFF.

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1815 SACKERSDORFF MAP

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	NTS	3

Filename: \\langan.com\data\NY\data3\170193301\Cadd Data - 170193301\All Historic Maps.dwg Date: 7/5/2012 Time: 20:09 User: ccampbell Style Table: Langan.stb Layout: 0. Sackersdorff 1815

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1852 DRIPPS & HARRISON MAP

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	NTS	4

Filename: \\langan.com\data\NY\data3\170193301\Cadd Data - 170193301\All Historic Maps.dwg Date: 7/5/2012 Time: 20:11 User: ccampbell Style Table: Langan.stb Layout: Dripps 1852

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NJ Certificate of Authorization No: 24GA27996400

551 W. 21ST STREET

1857 DRIPPS & HARRISON MAP

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	NTS	5

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Filename: \\langan.com\data\NY\data3\170193301\Cadd Data - 170193301\All Historic Maps.dwg Date: 7/5/2012 Time: 20:11 User: ccampbell Style Table: Langan.stb Layout: Dripps and Harrison 1857

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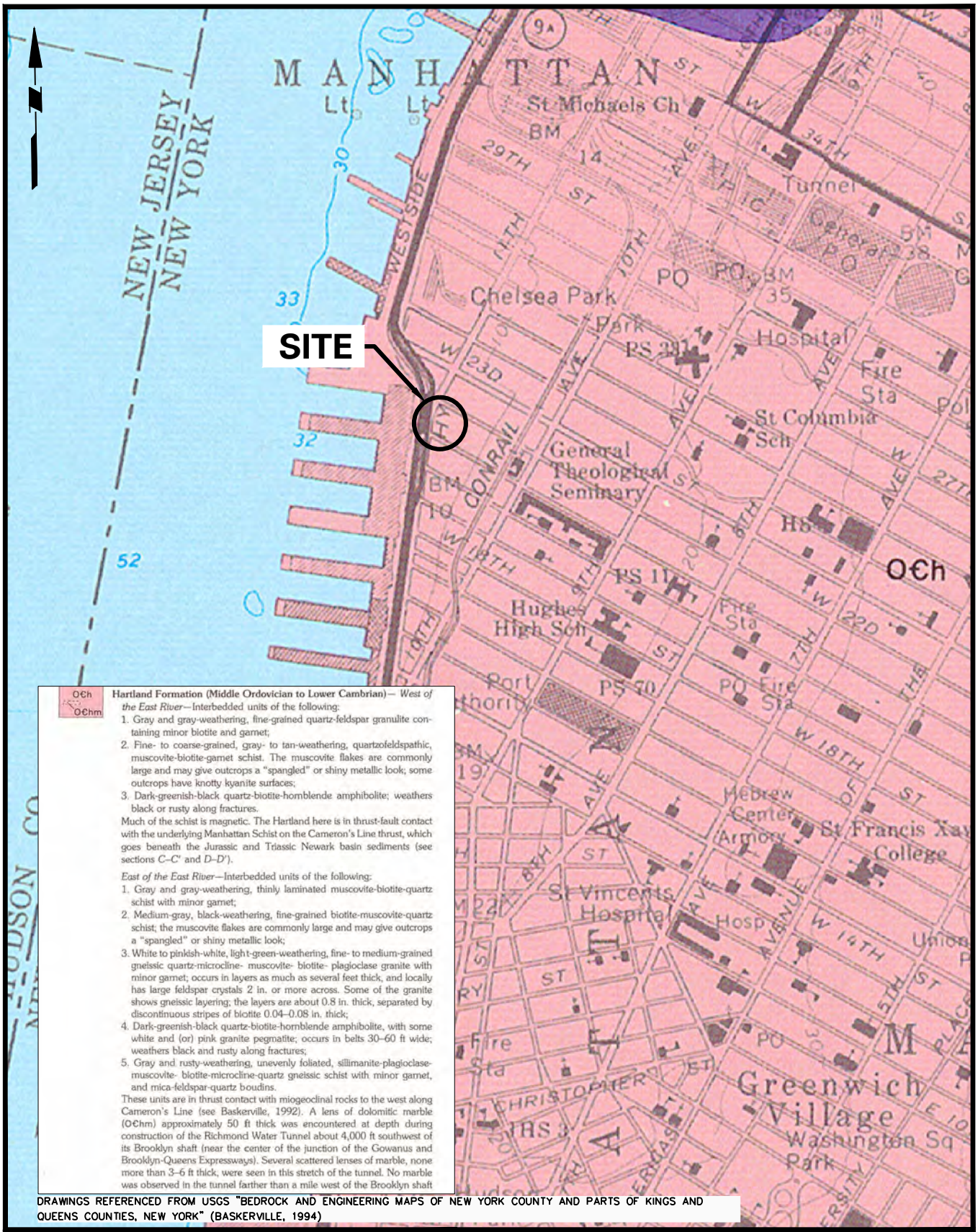
551 W. 21ST STREET

1865 VIELE SANITARY AND TOPOGRAPHICAL MAP

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	NTS	6

Filename: \\langan.com\data\NY\data3\170193301\Cadd Data - 170193301\All Historic Maps.dwg Date: 7/5/2012 Time: 20:12 User: ccampbell Style Table: Langan.stb Layout: Viele 1865



O€h
O€hm

Hartland Formation (Middle Ordovician to Lower Cambrian)— *West of the East River*—Interbedded units of the following:

1. Gray and gray-weathering, fine-grained quartz-feldspar granulite containing minor biotite and garnet;
2. Fine- to coarse-grained, gray- to tan-weathering, quartzofeldspathic, muscovite-biotite-garnet schist. The muscovite flakes are commonly large and may give outcrops a "spangled" or shiny metallic look; some outcrops have knotty kyanite surfaces;
3. Dark-greenish-black quartz-biotite-hornblende amphibolite; weathers black or rusty along fractures.

Much of the schist is magnetic. The Hartland here is in thrust-fault contact with the underlying Manhattan Schist on the Cameron's Line thrust, which goes beneath the Jurassic and Triassic Newark basin sediments (see sections *C–C'* and *D–D'*).

East of the East River—Interbedded units of the following:

1. Gray and gray-weathering, thinly laminated muscovite-biotite-quartz schist with minor garnet;
2. Medium-gray, black-weathering, fine-grained biotite-muscovite-quartz schist; the muscovite flakes are commonly large and may give outcrops a "spangled" or shiny metallic look;
3. White to pinkish-white, light-green-weathering, fine- to medium-grained gneissic quartz-microcline- muscovite- biotite- plagioclase granite with minor garnet; occurs in layers as much as several feet thick, and locally has large feldspar crystals 2 in. or more across. Some of the granite shows gneissic layering; the layers are about 0.8 in. thick, separated by discontinuous stripes of biotite 0.04–0.08 in. thick;
4. Dark-greenish-black quartz-biotite-hornblende amphibolite, with some white and (or) pink granite pegmatite; occurs in belts 30–60 ft wide; weathers black and rusty along fractures;
5. Gray and rusty-weathering, unevenly foliated, sillimanite-plagioclase-muscovite- biotite-microcline-quartz gneissic schist with minor garnet, and mica-feldspar-quartz boudins.

These units are in thrust contact with miogeoclinal rocks to the west along Cameron's Line (see Baskerville, 1992). A lens of dolomitic marble (O€hm) approximately 50 ft thick was encountered at depth during construction of the Richmond Water Tunnel about 4,000 ft southwest of its Brooklyn shaft (near the center of the junction of the Gowanus and Brooklyn-Queens Expressways). Several scattered lenses of marble, none more than 3–6 ft thick, were seen in this stretch of the tunnel. No marble was observed in the tunnel farther than a mile west of the Brooklyn shaft

DRAWINGS REFERENCED FROM USGS "BEDROCK AND ENGINEERING MAPS OF NEW YORK COUNTY AND PARTS OF KINGS AND QUEENS COUNTIES, NEW YORK" (BASKERVILLE, 1994)

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551 W. 21ST STREET

GEOLOGIC MAP

MANHATTAN NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	N.T.S.	7

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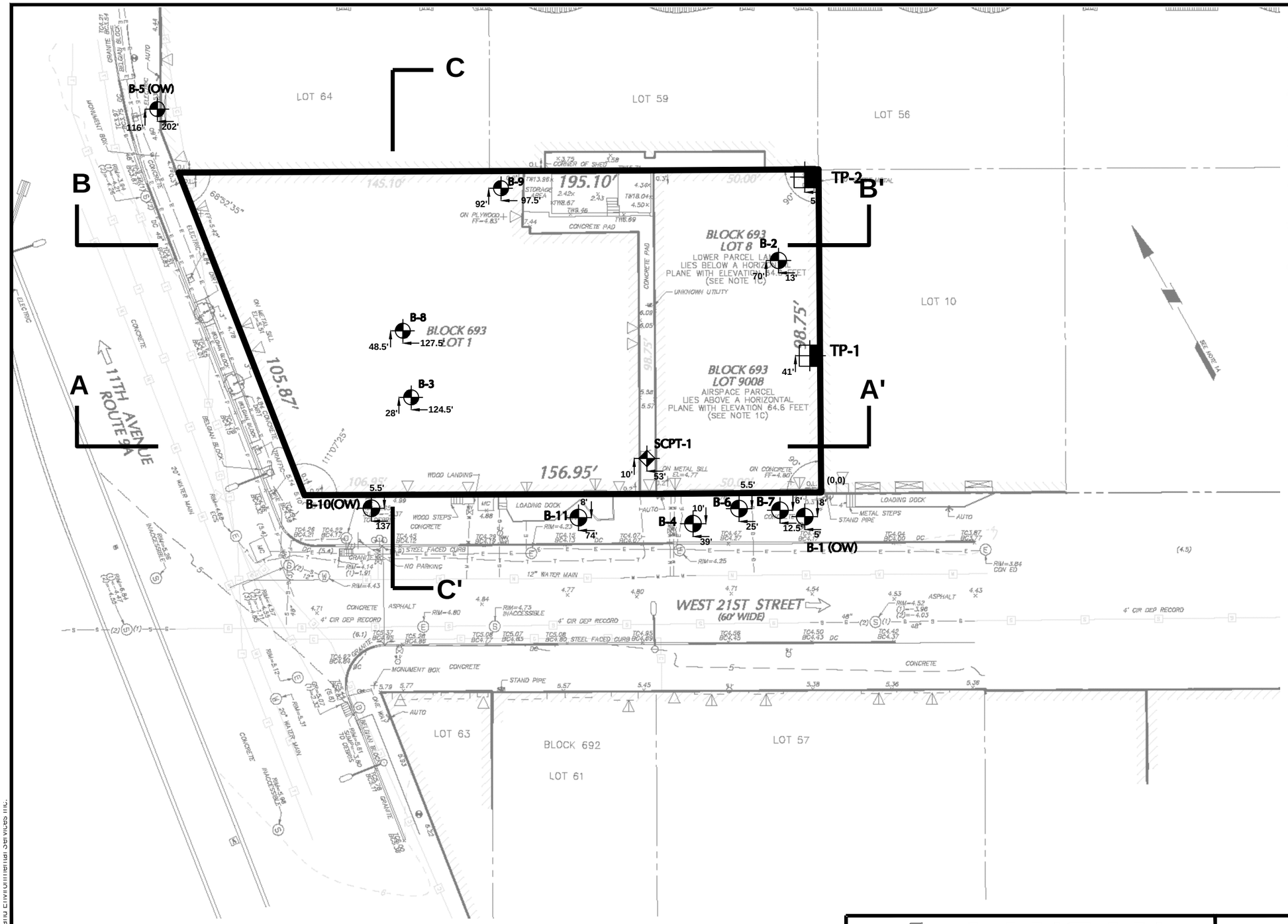

NOTES

1. BASE PLAN FOR BORING LOCATION PLAN WAS OBTAINED FROM ON-GOING SURVEY BY LANGAN ENGINEERING DATED 5 JUNE, 2012.
2. ELEVATIONS ARE REFERENCED TO BOROUGH PRESIDENT MANHATTAN DATUM (BPMD) WHICH IS 2.75 FT ABOVE MEAN SEA LEVEL MEASURED AT SANDY HOOK IN 1929 (NGVD).
3. BORINGS B-1 THROUGH B-7 WERE DRILLED BY AQUIFER DRILLING AND TESTING, INC. BETWEEN 19 OCTOBER AND 3 NOVEMBER 2005.
4. BORINGS B-6 AND B-7 WERE DRILLED USING HOLLOW STEM AUGER (8" DIAMETER) AND NO SAMPLES WERE TAKEN.
5. BORINGS B-8 THROUGH B-11 WERE DRILLED BY WARREN GEORGE, INC. BETWEEN 21 MAY AND 4 JUNE 2012.
6. SEISMIC CPT SCPT-1 WAS PERFORMED BY CONETEC ON 5 JUNE 2012.

SUB-SURFACE PROFILES ARE PRESENTED AS FIGURES 9 THROUGH 11.

LEGEND

B-3 — BORING - 2005 AND 2012 INVESTIGATION

TP-1 — TEST PIT - 2005 INVESTIGATION

(OW) OBSERVATION WELL

SCPT-1 — SEISMIC CPT - 2012 INVESTIGATION

28' 124.5' — COORDINATES FROM (0,0) AT SOUTH EAST CORNER OF PROPERTY ON WEST 21ST STREET

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551 W. 21ST STREET

BORING LOCATION PLAN

MANHATTAN NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	1"=30'	8

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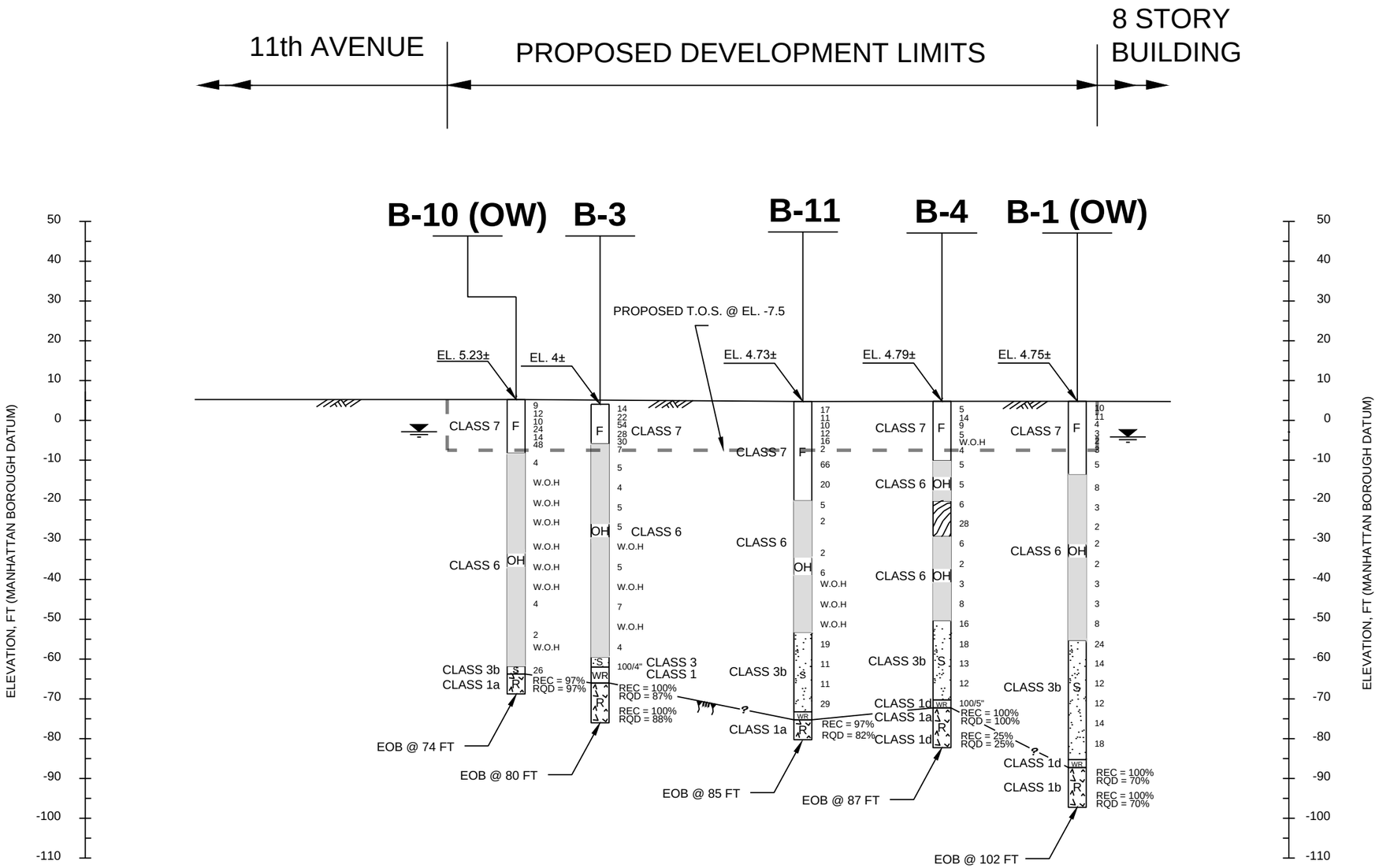

SECTION A-A'

NOTES

1. ELEVATIONS ARE REFERENCED TO BOROUGH PRESIDENT MANHATTAN DATUM (BPMD) WHICH IS 2.75 FT ABOVE MEAN SEA LEVEL MEASURED AT SANDY HOOK IN 1929 (NGVD).
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4. BORINGS B–8(OW) THROUGH B–12 WERE DRILLED BY WARREN GEORGE, INC. BETWEEN 21 MAY AND 4 JUNE 2012.

LEGEND

SAND
GRAVEL
BOULDER
SILT
CLAY
TIMBER
UNCONTROLLED FILL
BUILDING LIMITS
GROUND SURFACE
ORGANIC CLAY
WEATHERED ROCK
ROCK

B(OW)
EL
N
X-65

B BORING IDENTIFICATION
EL GROUNDSURFACE ELEVATION AT TIME OF BORING
N STANDARD PENETRATION RESISTANCE
X-65 NEW YORK CITY BUILDING CODE CLASSIFICATION
(OW) GROUNDWATER OBSERVATION WELL
MEASURED GROUNDWATER LEVEL

B-2 GEOTECHNICAL BORING
B-5 (OW) GEOTECHNICAL BORING WITH OBSERVATION WELL
TP-3 TEST PITS

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551 W. 21ST STREET

SECTION A-A'

NEW YORK NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	1"=30'	9

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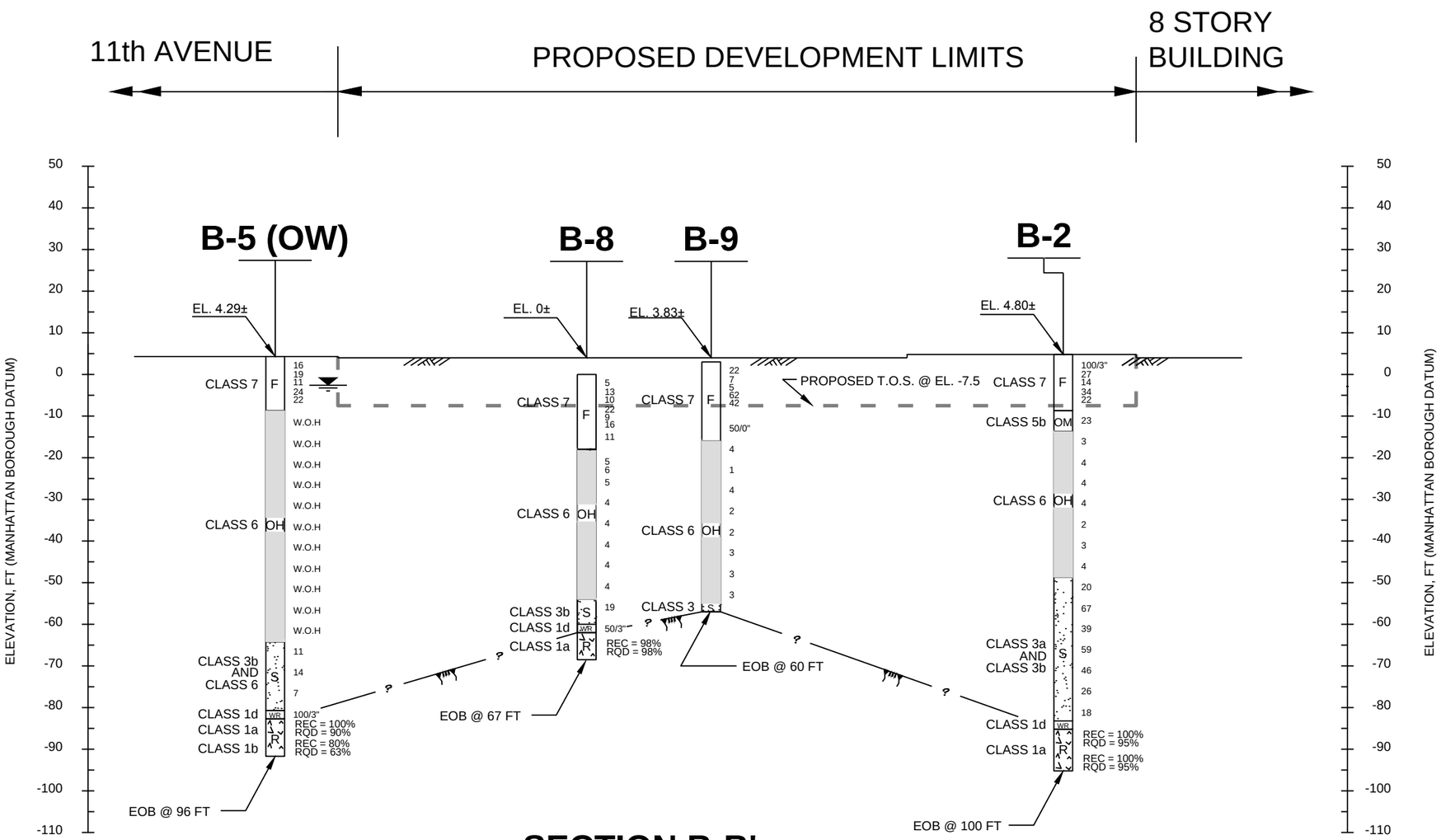

SECTION B-B'

NOTES

1. ELEVATIONS ARE REFERENCED TO BOROUGH PRESIDENT MANHATTAN DATUM (BPMD) WHICH IS 2.75 FT ABOVE MEAN SEA LEVEL MEASURED AT SANDY HOOK IN 1929 (NGVD).
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LEGEND

SAND
GRAVEL
BOULDER
SILT
CLAY
TIMBER
UNCONTROLLED FILL
BUILDING LIMITS
GROUND SURFACE
ORGANIC CLAY
WEATHERED ROCK
ROCK

B(OW)
EL
N
X-65

B BORING IDENTIFICATION
EL GROUNDSURFACE ELEVATION AT TIME OF BORING
N STANDARD PENETRATION RESISTANCE
X-65 NEW YORK CITY BUILDING CODE CLASSIFICATION
(OW) GROUNDWATER OBSERVATION WELL
MEASURED GROUNDWATER LEVEL

B-2 GEOTECHNICAL BORING
B-5 (OW) GEOTECHNICAL BORING WITH OBSERVATION WELL
TP–3 TEST PITS

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SECTION B-B'

NEW YORK NEW YORK

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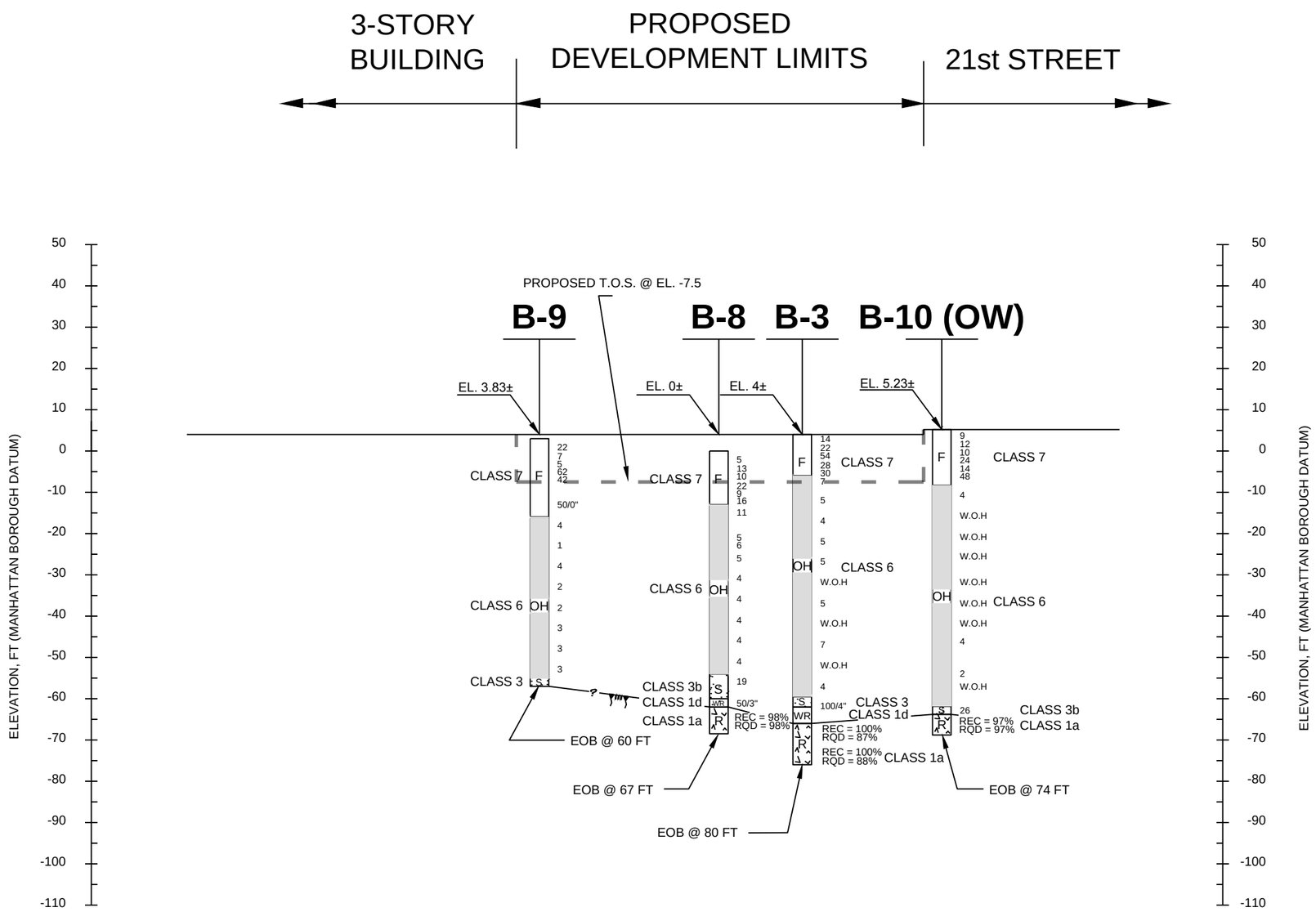

NOTES

1. ELEVATIONS ARE REFERENCED TO BOROUGH PRESIDENT MANHATTAN DATUM (BPMD) WHICH IS 2.75 FT ABOVE MEAN SEA LEVEL MEASURED AT SANDY HOOK IN 1929 (NGVD).
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4. BORINGS B–8(OW) THROUGH B–12 WERE DRILLED BY WARREN GEORGE, INC. BETWEEN 21 MAY AND 4 JUNE 2012.

SECTION C-C'

LEGEND

SAND
GRAVEL
BOULDER
SILT
CLAY
TIMBER
UNCONTROLLED FILL
BUILDING LIMITS
GROUND SURFACE
ORGANIC CLAY
WEATHERED ROCK
ROCK

B(OW)
EL
N
X-65

B BORING IDENTIFICATION
EL GROUNDSURFACE ELEVATION AT TIME OF BORING
N STANDARD PENETRATION RESISTANCE
X-65 NEW YORK CITY BUILDING CODE CLASSIFICATION
(OW) GROUNDWATER OBSERVATION WELL
MEASURED GROUNDWATER LEVEL

B-2 GEOTECHNICAL BORING
B-5 (OW) GEOTECHNICAL BORING WITH OBSERVATION WELL
TP–3 TEST PITS

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SECTION C-C'

NEW YORK NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	1"=30'	11

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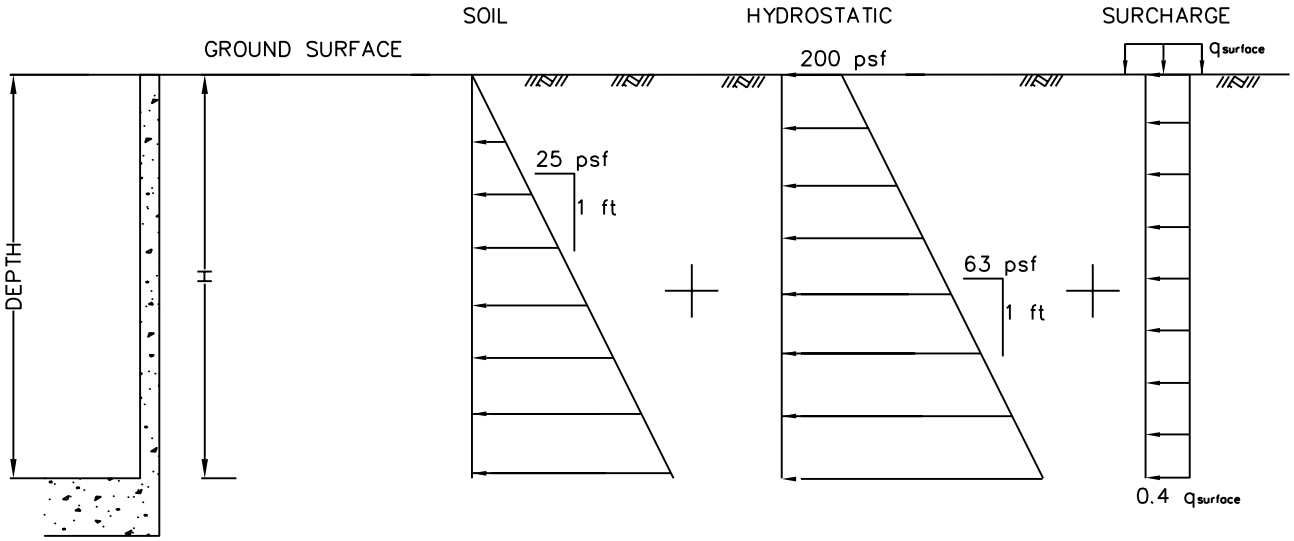

STATIC LATERAL EARTH PRESSURES

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PERMANENT LATERAL EARTH PRESSURES

MANHATTAN NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	N.T.S.	12

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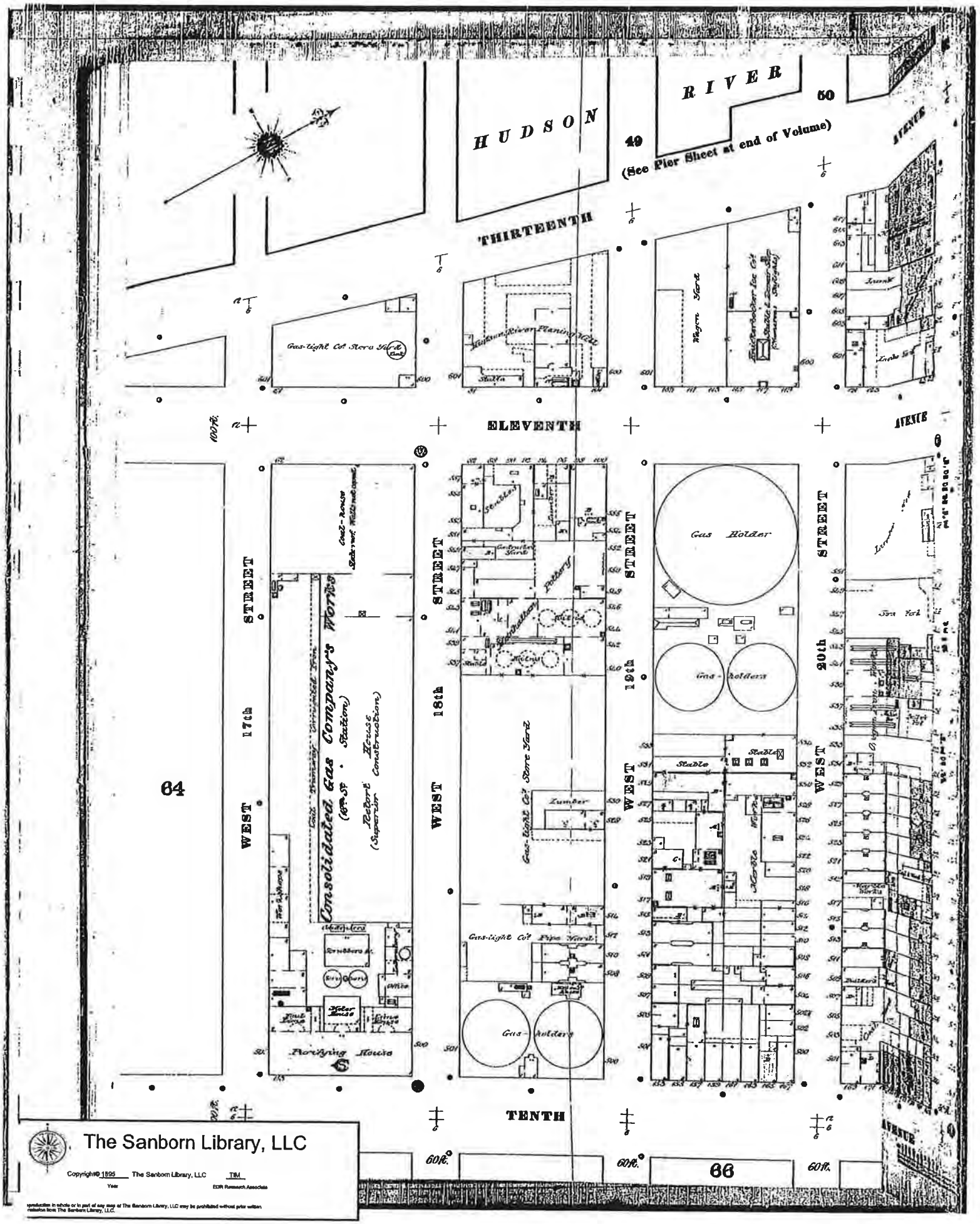
APPENDIX A

SANDBORN MAPS



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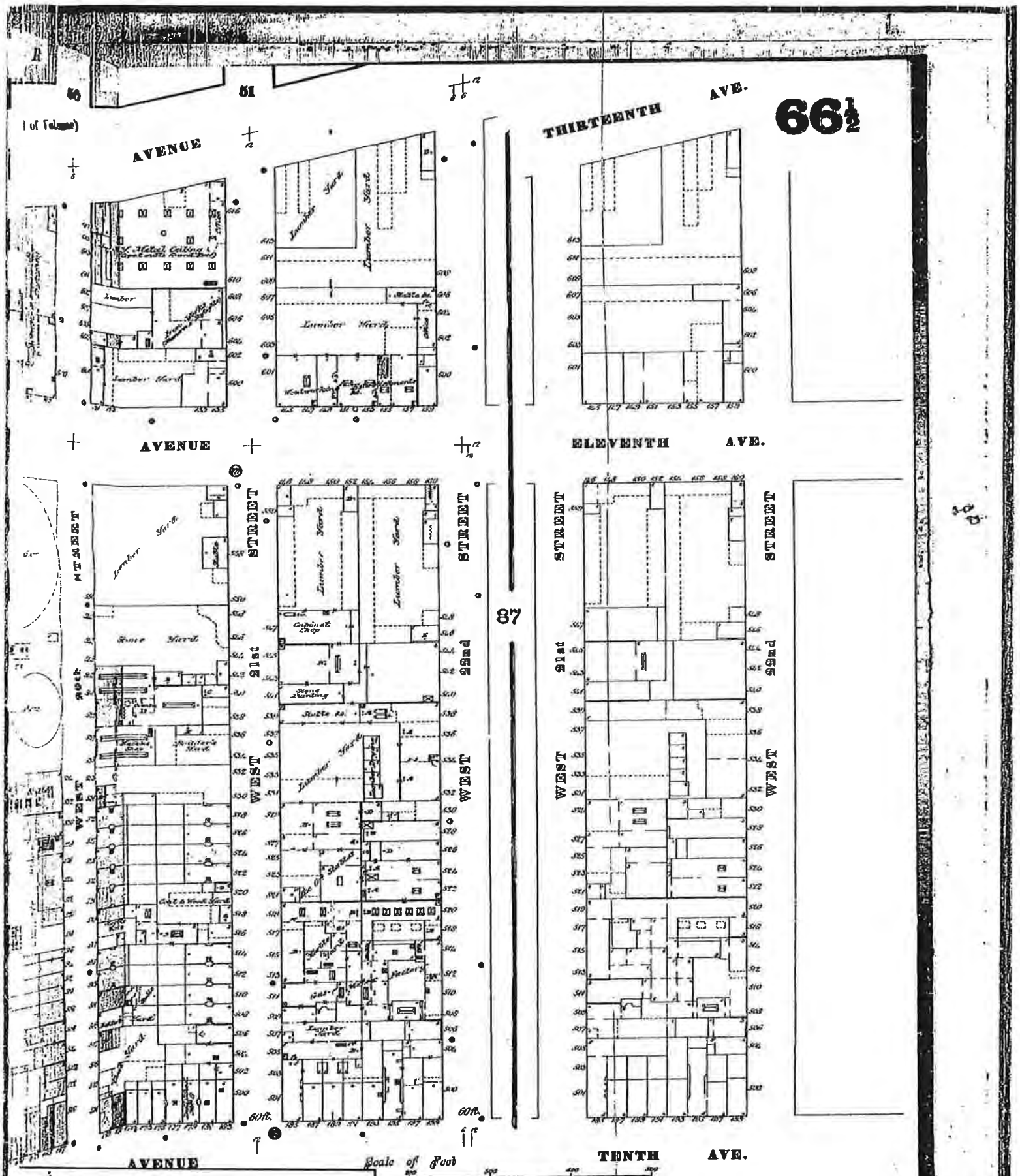

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N. Y. City Vol. 2C

53

HUDSON RIVER

59

60

61

662

52

MARGINAL STREET

SCALE OF FEET

WEST 18TH STREET

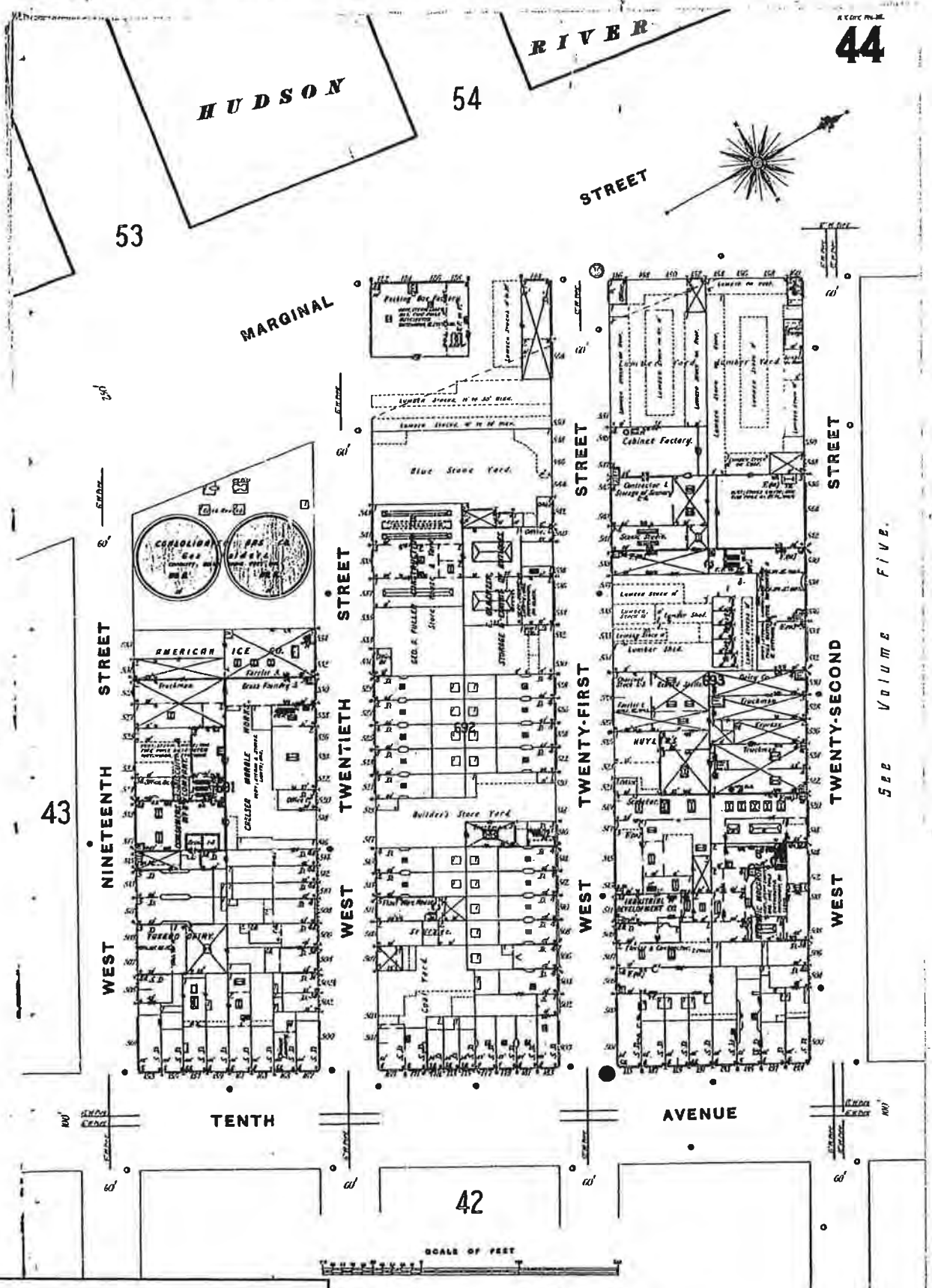
WEST 19TH STREET

WEST 20TH STREET

WEST 21ST STREET

43

44



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HUDSON RIVER

01

02

663

HUDSON RIVER DAY LINE

Railway Room

CENTRAL R. R. OF NEW JERSEY. FERRY TO CORTLANDT ST.

DELAWARE, LACKAWANNA & WESTERN R. R. FERRY TO HOBOKEN

See Volume Five

ERIE R.R. FERRY TO PAVONIA AVE. JERSEY CITY

Buildings in course of construction.

THIRTEENTH AVE.

W. TWENTY-SECOND ST.

See Volume Five

SCALE OF FEET

MARGINAL ST.

WEST 21st ST.

44

11th AVE.

WEST 23RD ST.

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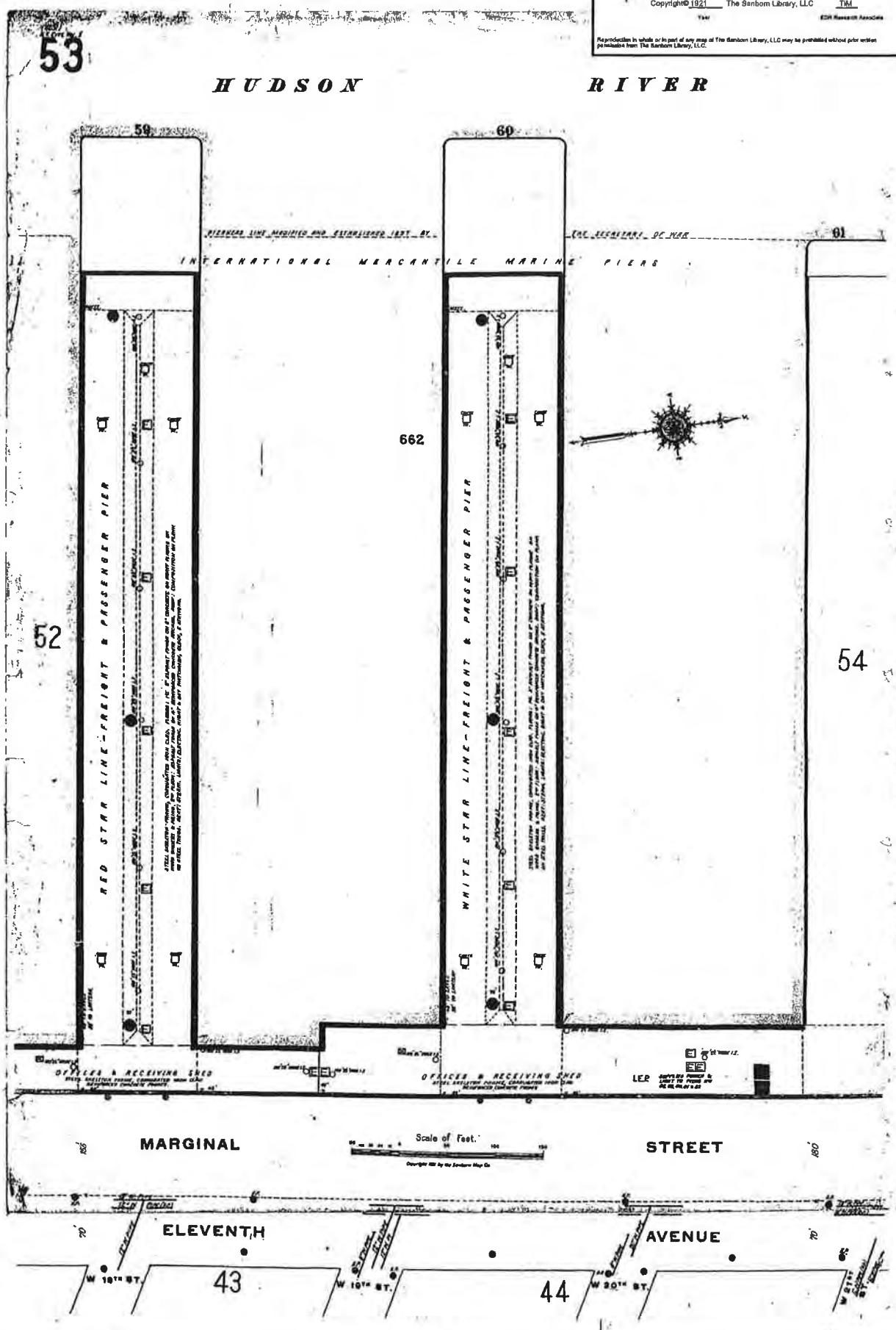

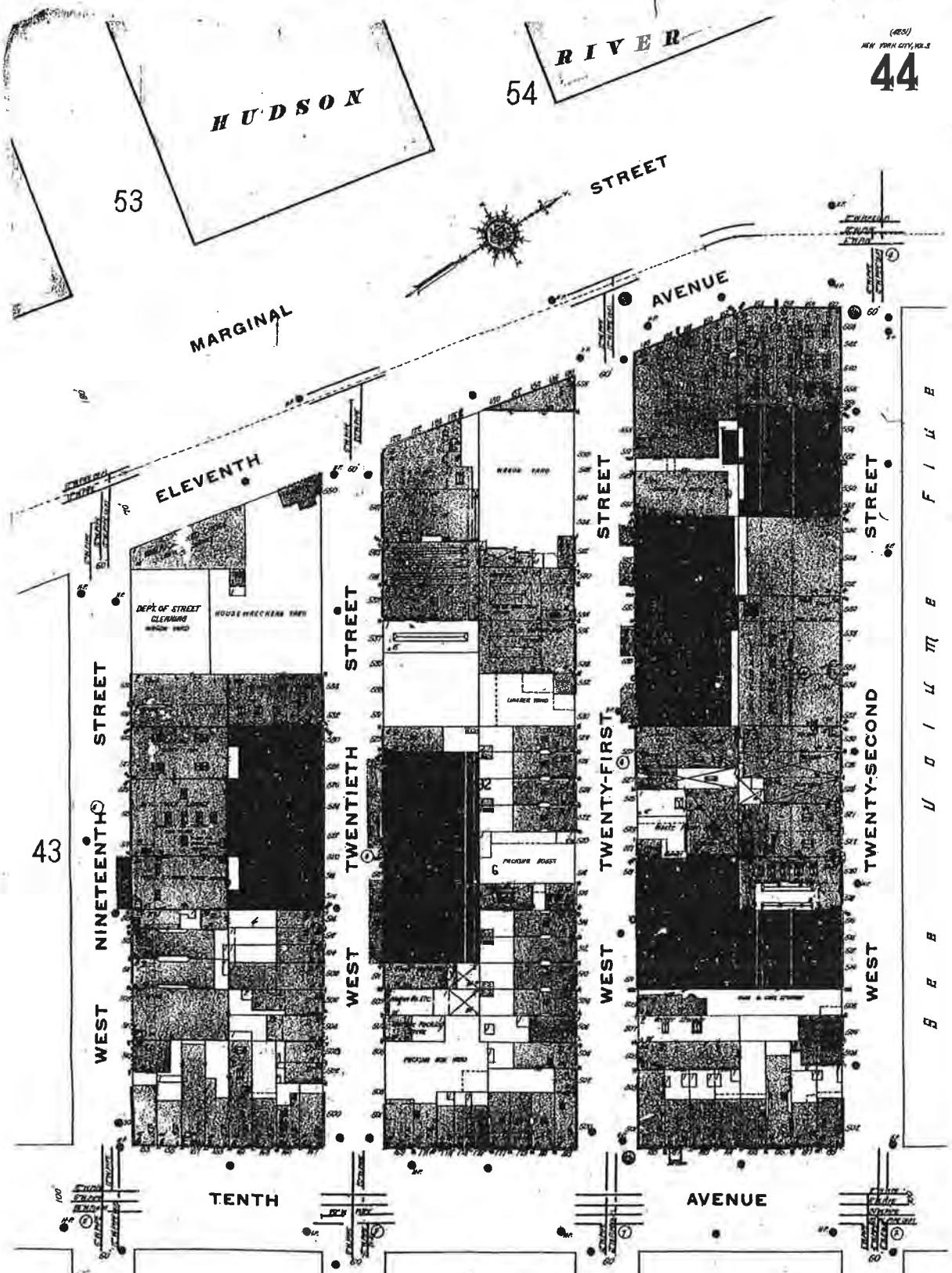

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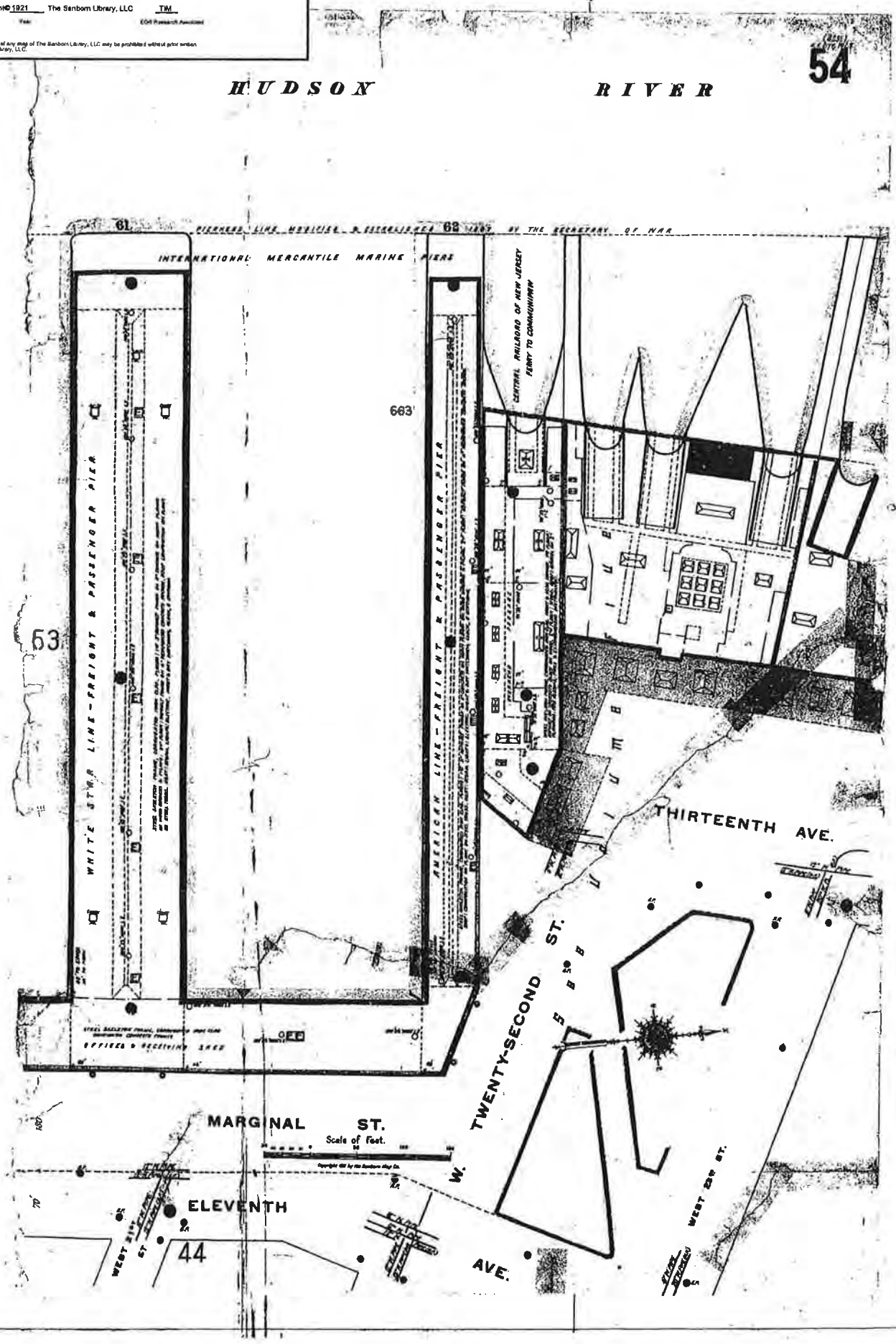

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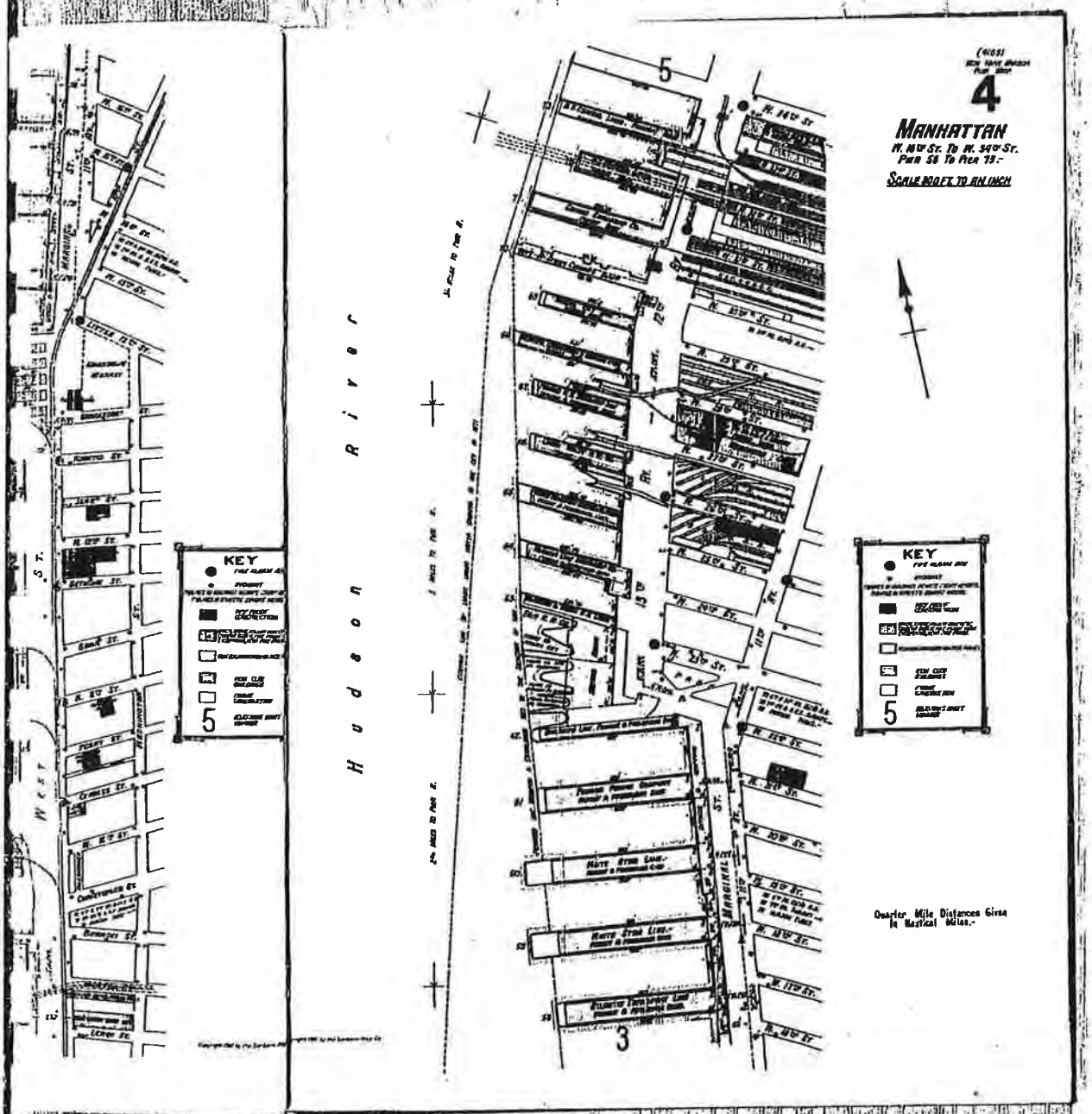

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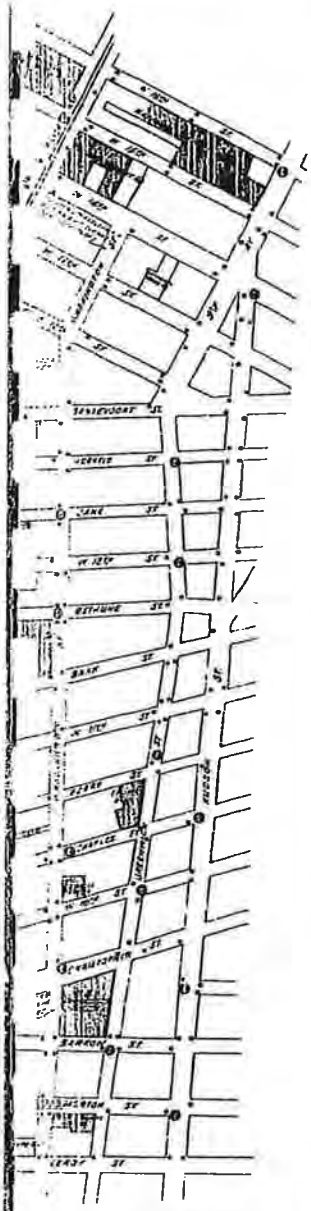

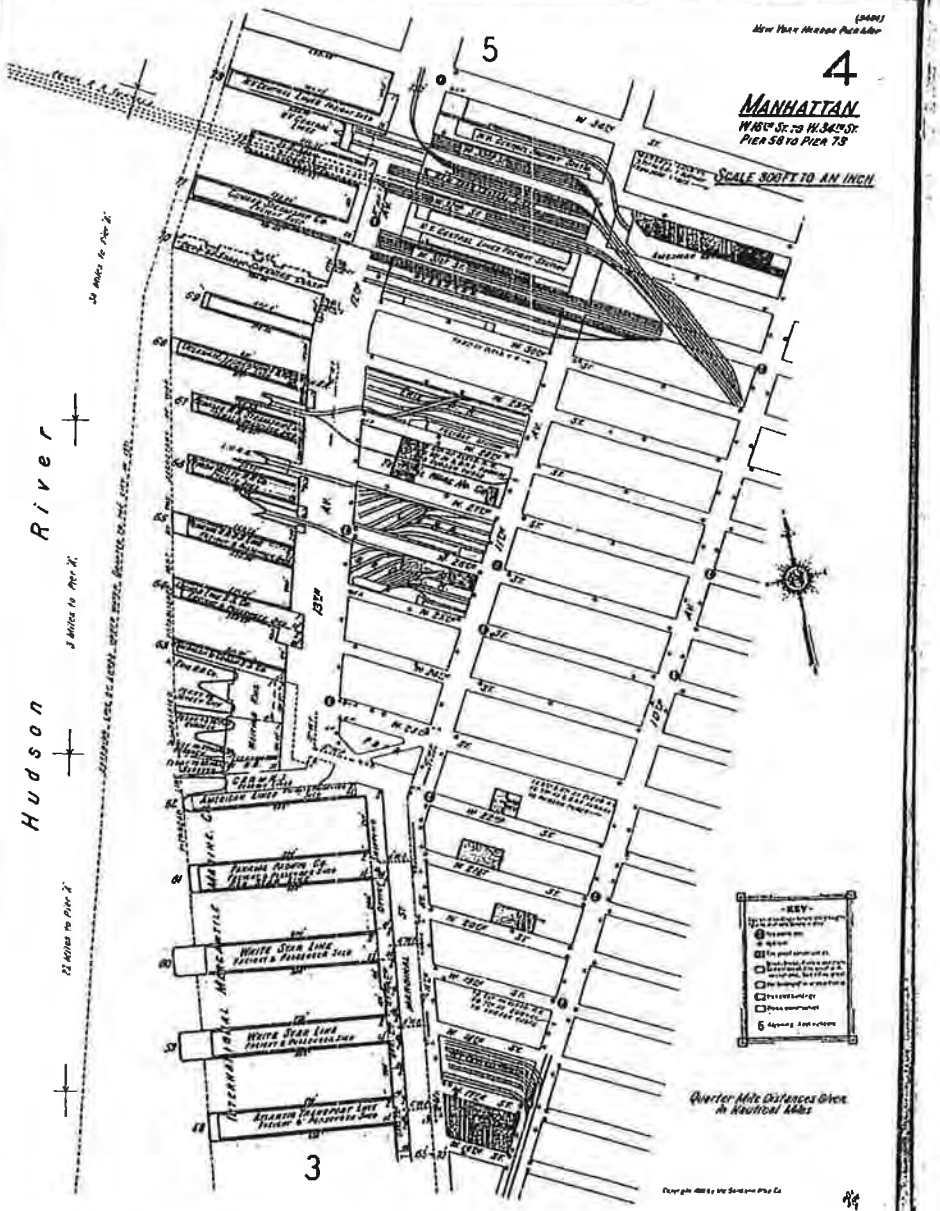

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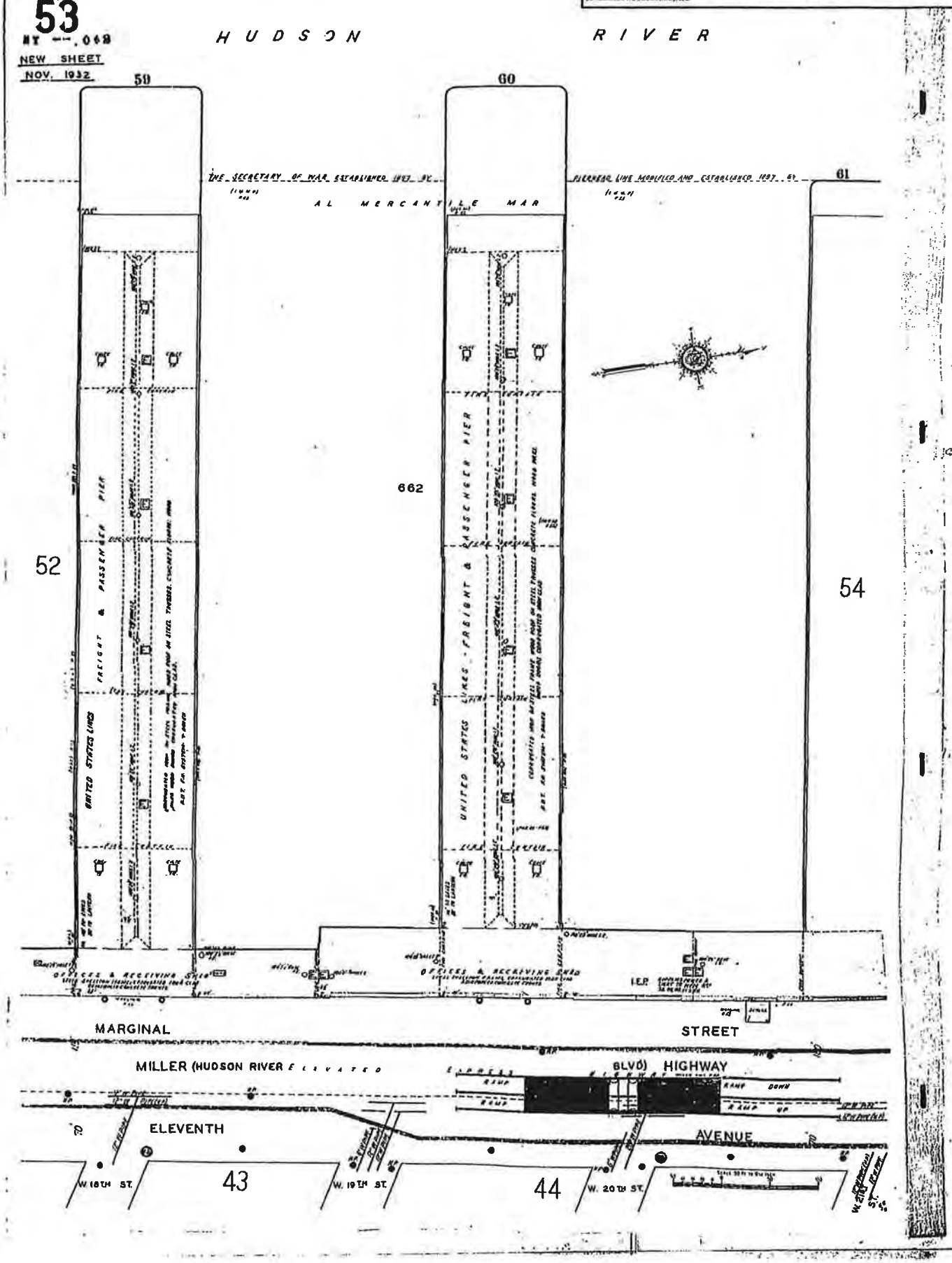
NY -.069
NEW SHEET
NOV. 1932



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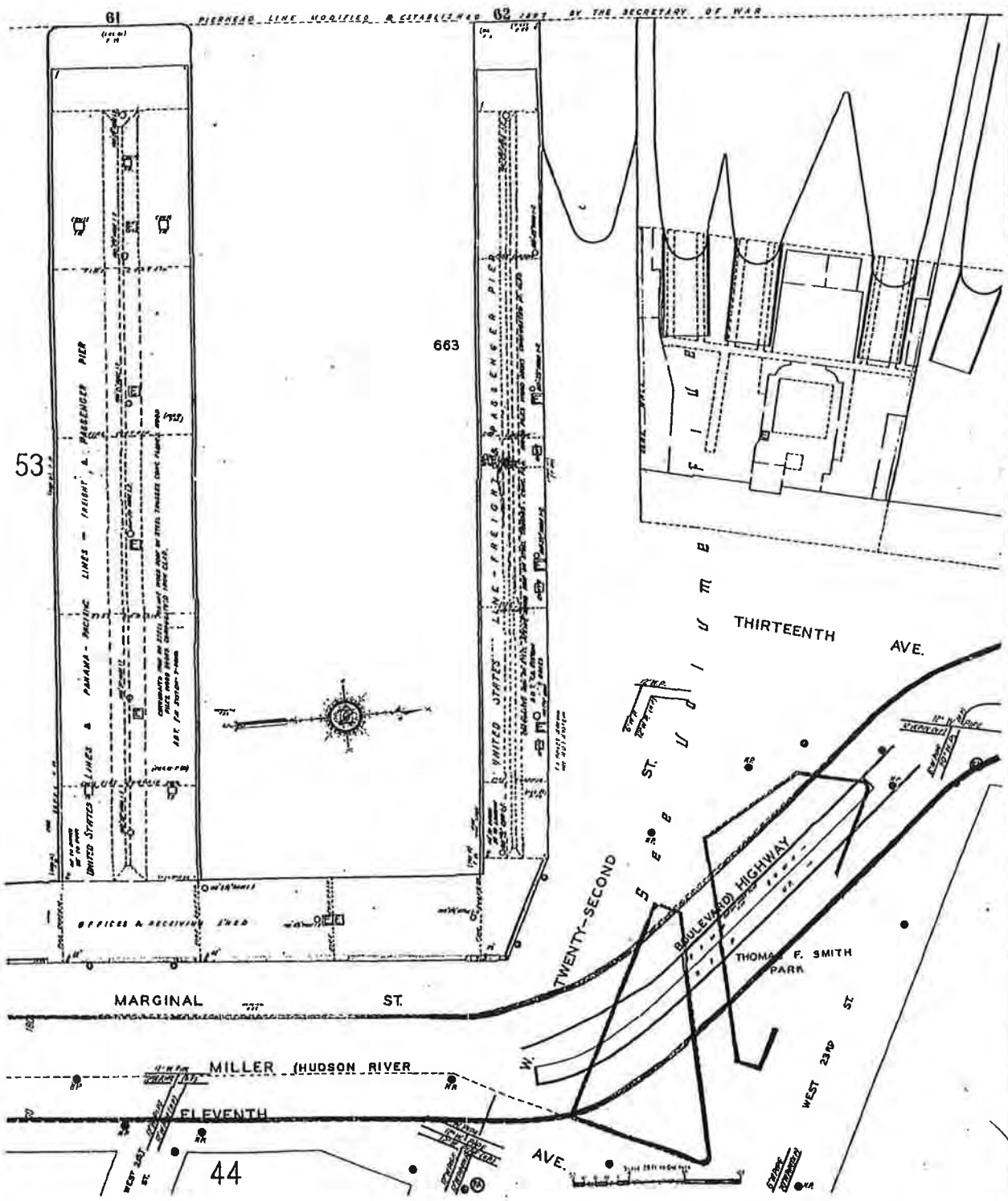

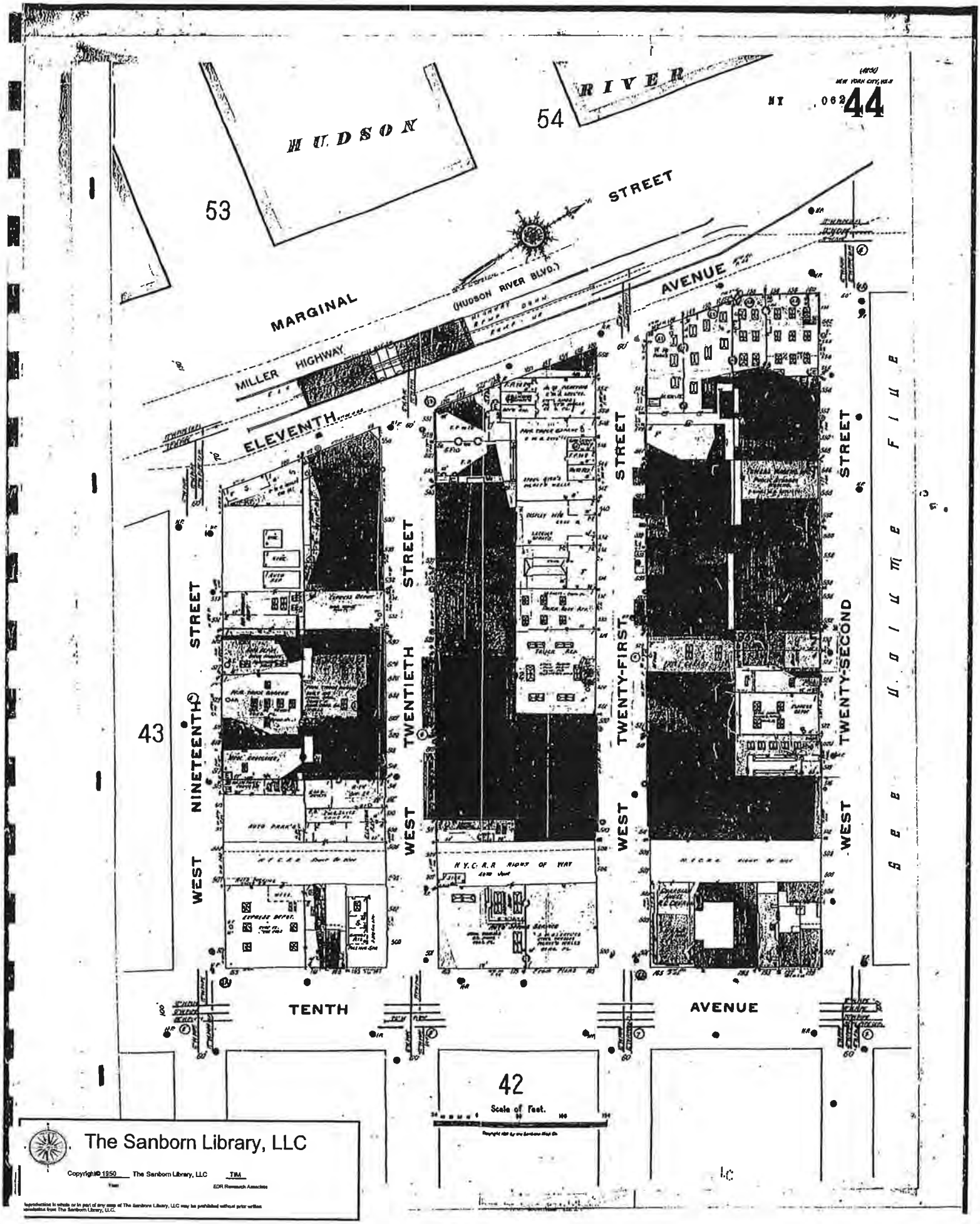

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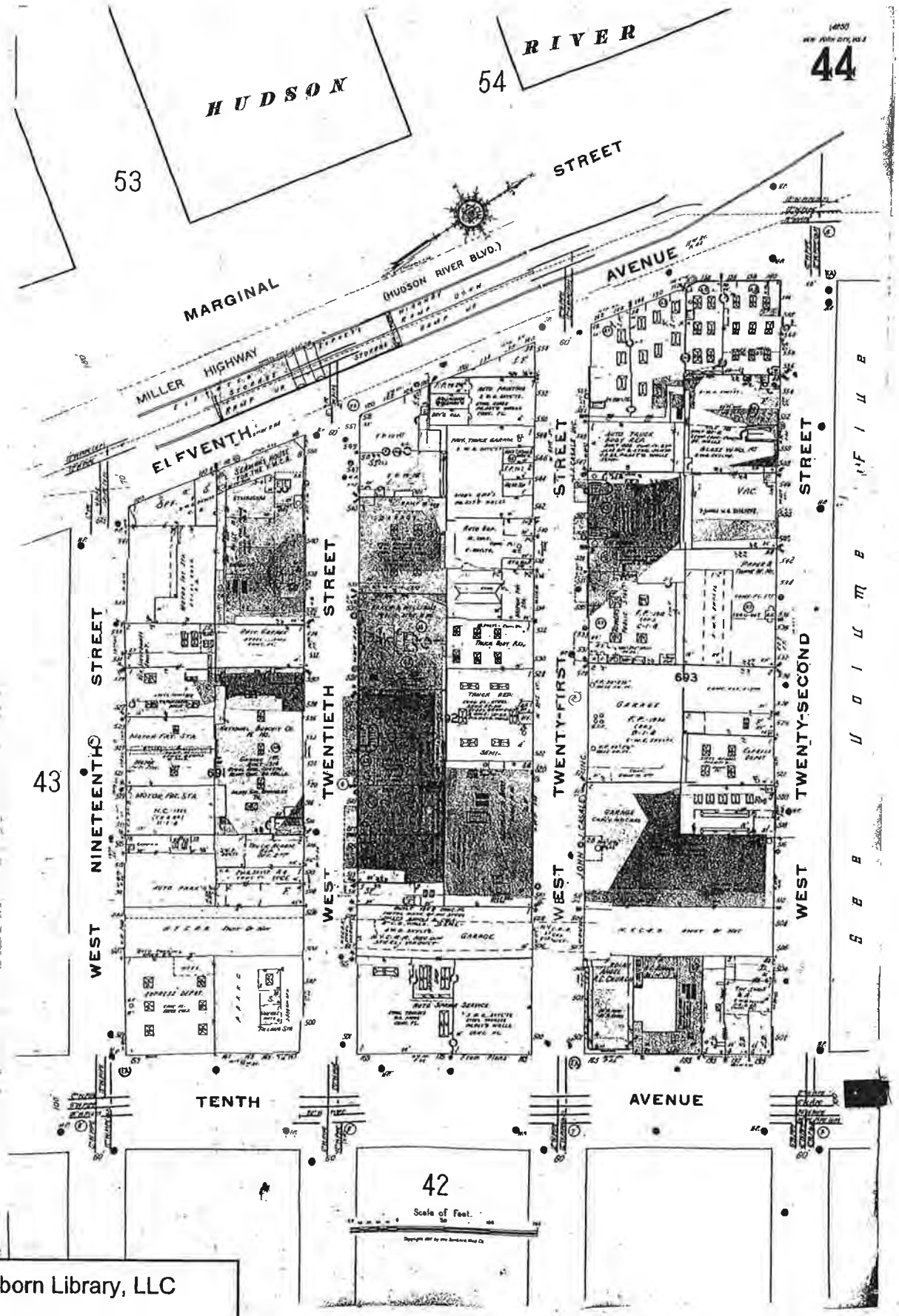

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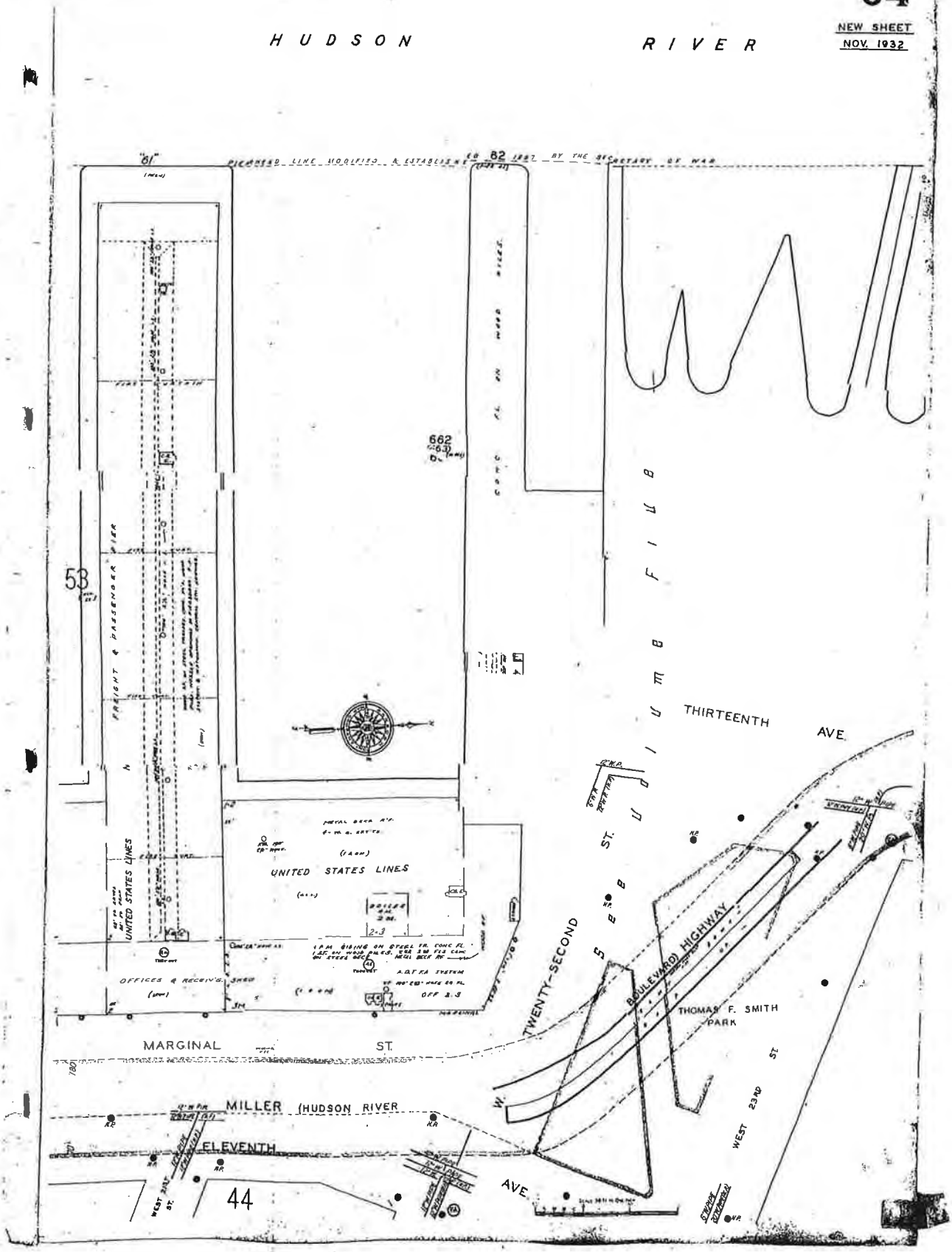

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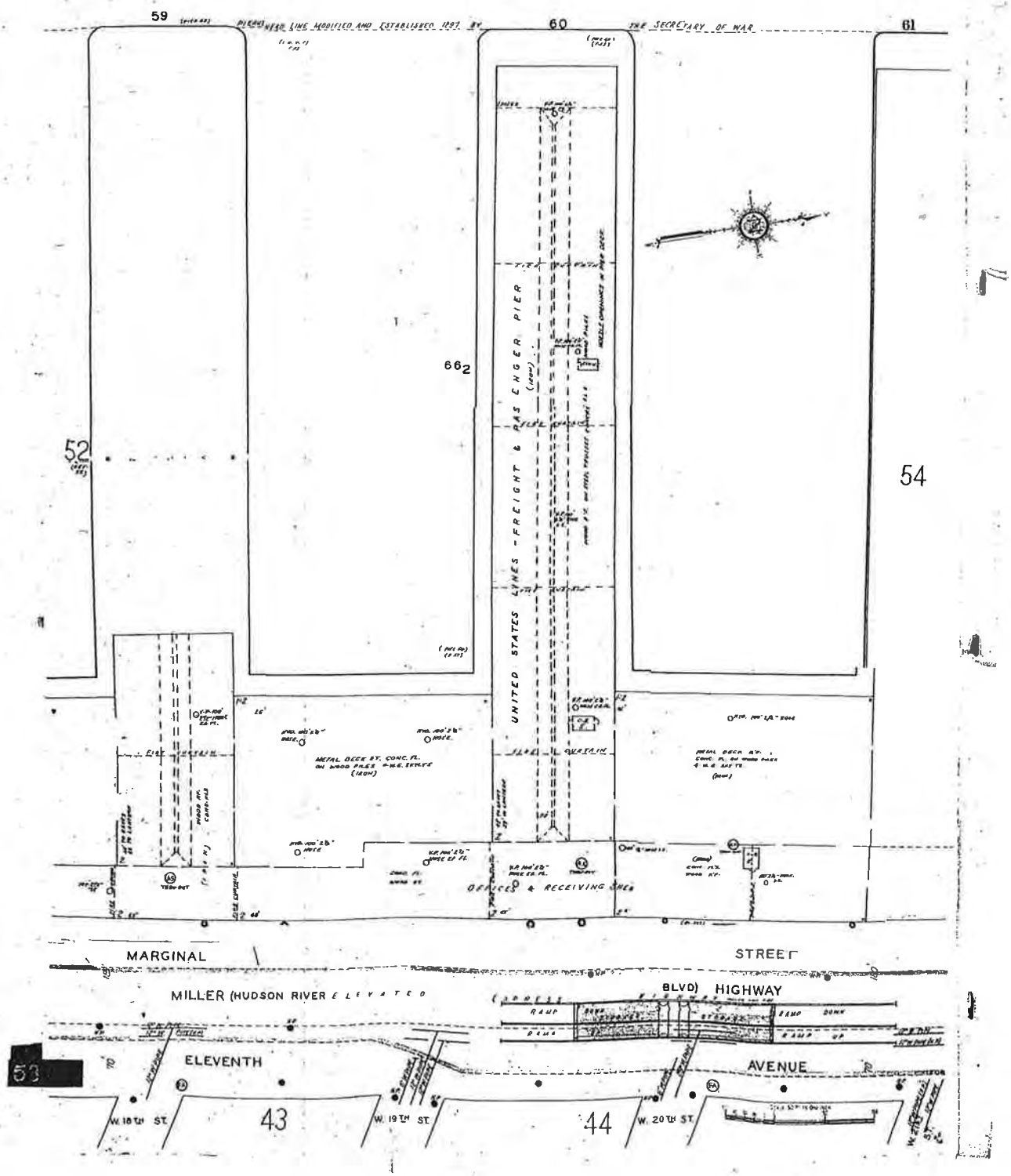
53

NEW SHEET
NOV. 1932



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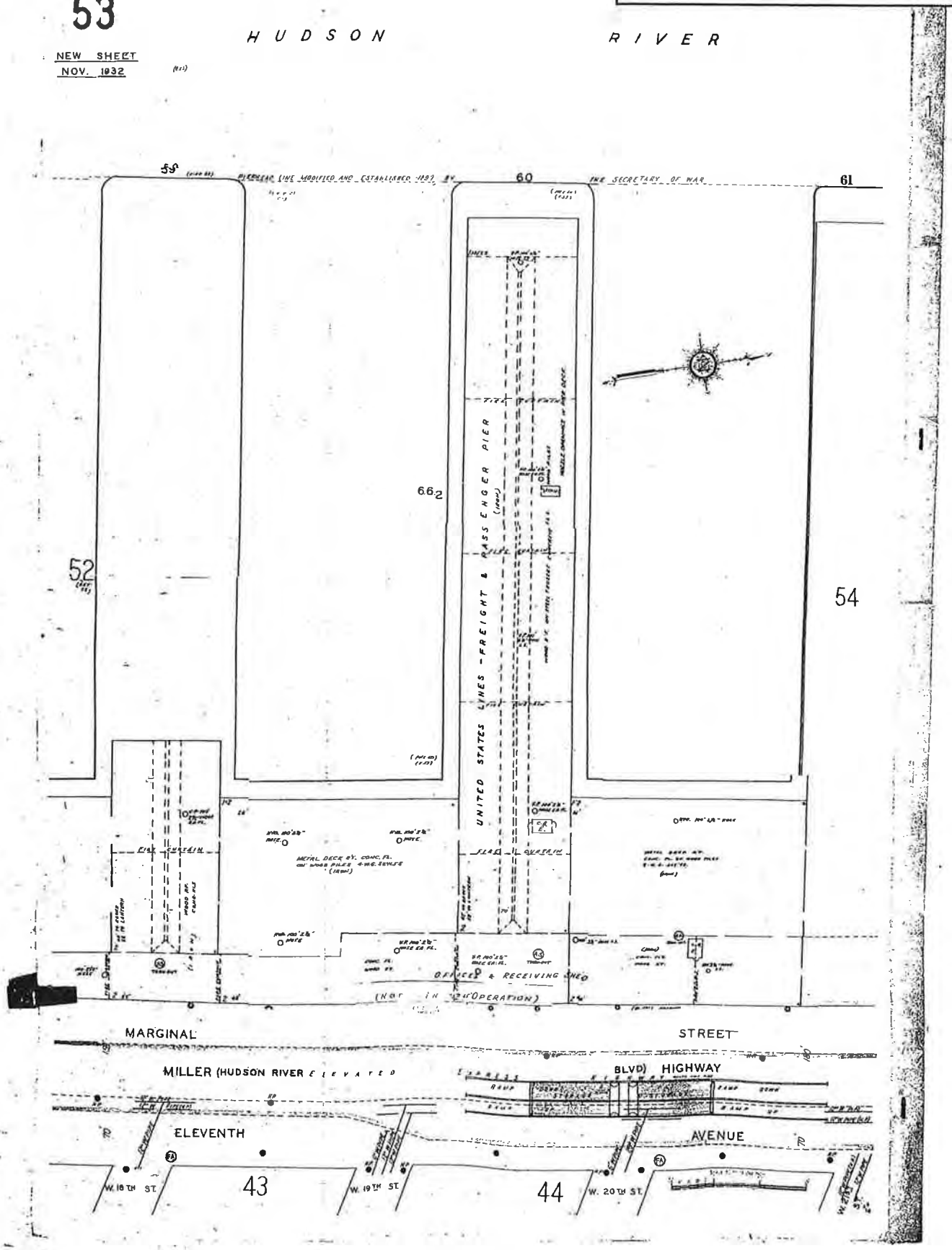
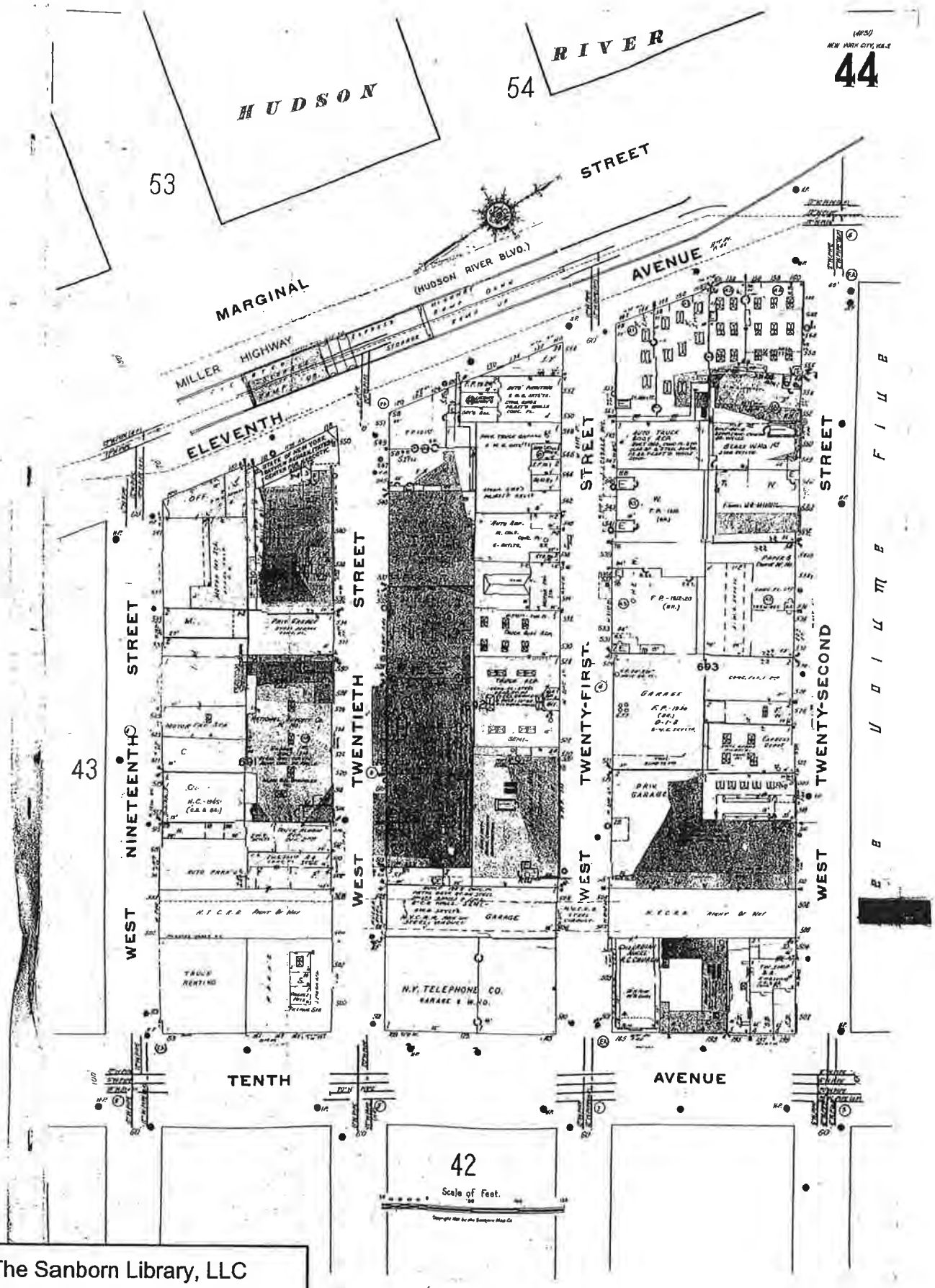
NEW SHEET
NOV. 1932





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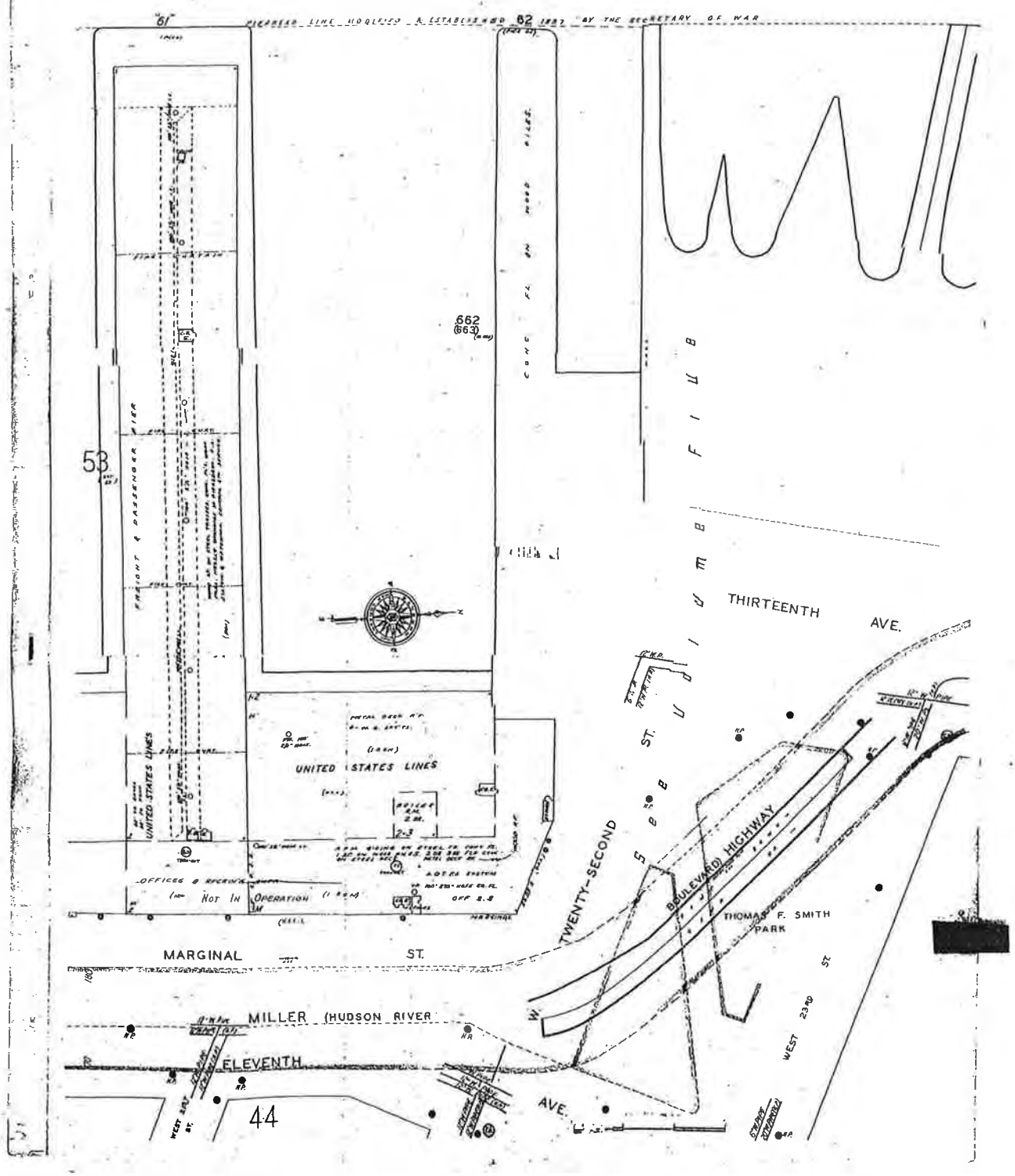

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NEW SHEET
NOV. 1932

HUDSON

59 60 61

PIERHEAD LINE MODIFIED AND ESTABLISHED BY THE SECRETARY OF WAR

662

52

54

UNITED STATES LINES FREIGHT & PASSENGER PIER

OFFICES & RECEIVING SHED
(NOT IN OPERATION)

MARGINAL STREET

MILLER (HUDSON RIVER ELEVATED BLVD.) HIGHWAY

MILLER HWY. IS DEMOLISHED

ELEVENTH AVENUE

W. 18TH ST. W. 19TH ST. W. 20TH ST.

43 44

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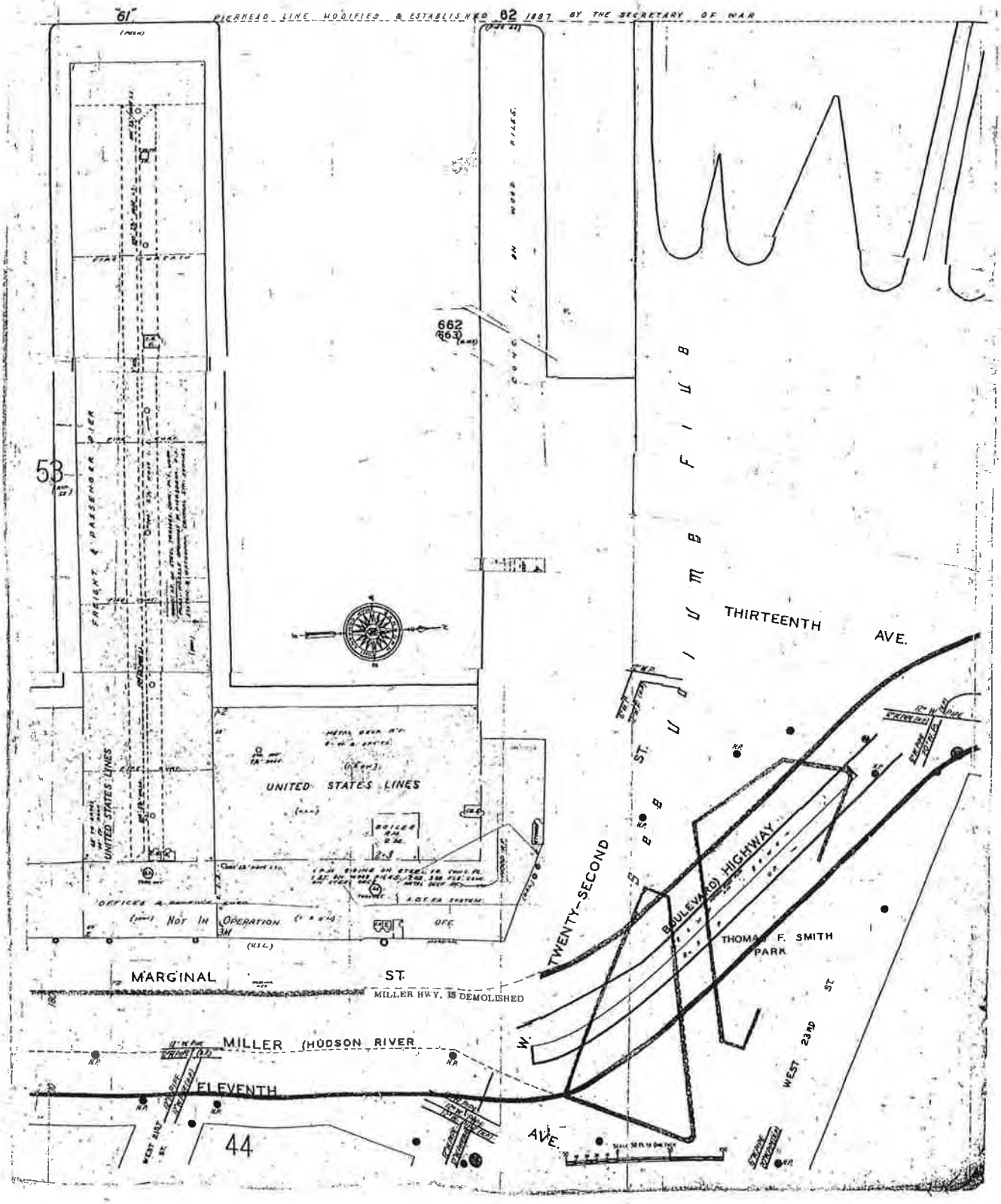

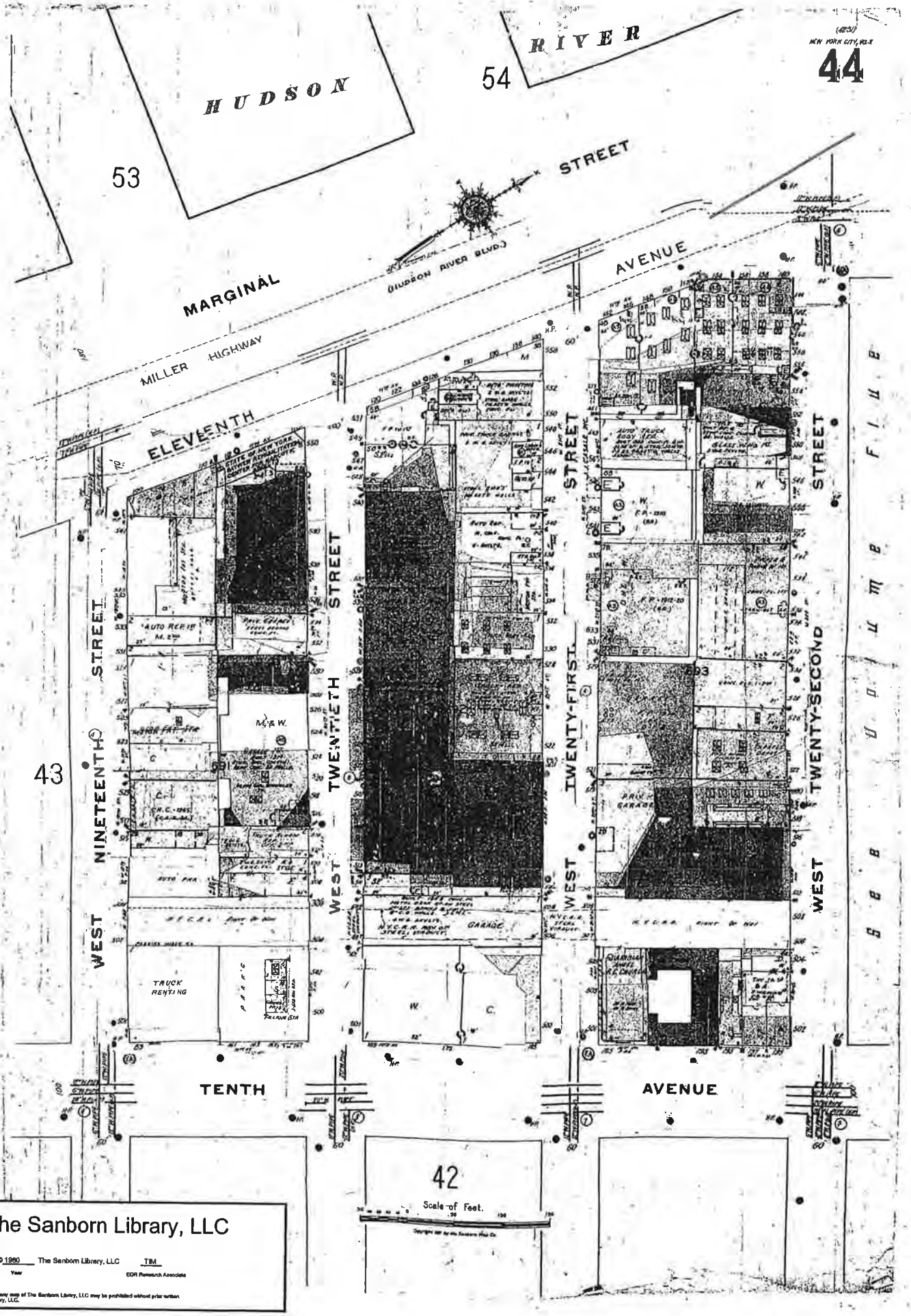

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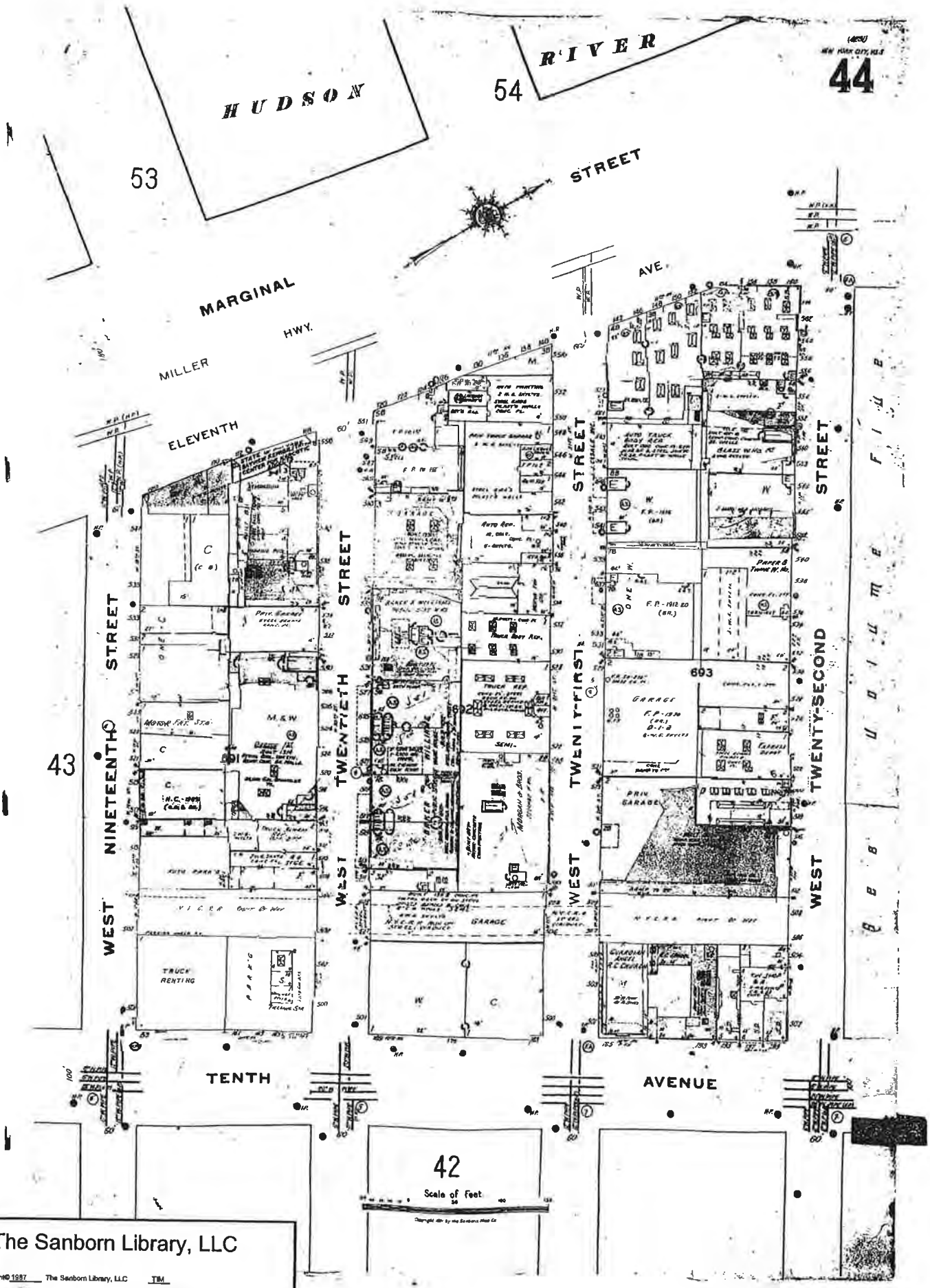

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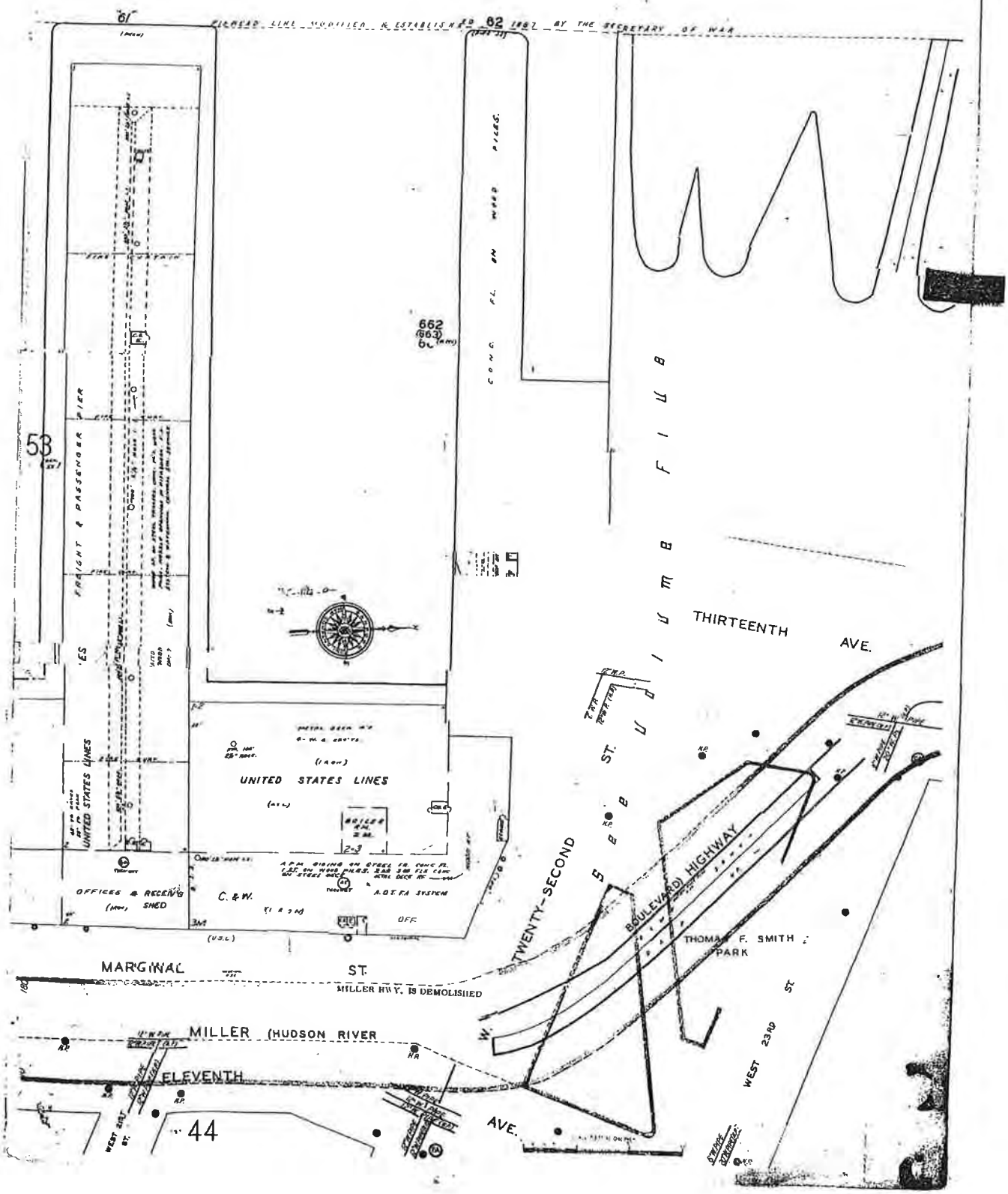

APPENDIX B

BORING LOGS, WELL CONSTRUCTION LOGS, AND TEST PIT LOGS / PHOTOS

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Log of Boring **B-1(OW)** Sheet 1 of 5

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 4.75 BPMD
Drilling Company: Aquifer Drilling and Testing Inc.	Date Started: 10/24/05 — Date Finished: 10/28/05
Drilling Equipment: CME-75 Truck Mounted Drill Rig	Completion Depth: 102 ft — Rock Depth: 92 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit	Number of Samples: Disturbed 21, Undisturbed 0, Core 2
Casing Diameter (in): 4" — Casing Depth (ft): 50'	Water Level (ft.): First ▽ -, Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Safety — Weight (lbs): 140 — Drop (in): 30"	Drilling Foreman: Ed Borner
Sampler: 2" Standard Split Spoon	Inspecting Engineer: Al Bonura
Sampler Hammer: Safety — Weight (lbs): 140 — Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+4.8		1' Concrete Slab						Truck-mounted rig arrived at 9:15 a.m. Set up on B-1 Began drilling at 9:30 a.m. Drilled through 1-ft slab
+3.8	Class 7	**BC: Class 7** Brown GRAVEL, trace brick, some silt, some clay [GP] (Class 7)	1	SS	6	11 5 5 3	10	SS 1' to 3' Drilled to 3'
		Brown GRAVEL, trace brick, some silt, some sand [GP] (Class 7)	2	SS	12	7 7 4 3	11	SS 3' to 5' Drilled to 5' Drove casing to 5'
		Dark gray silty SAND, trace clay, some gravel, trace shell [SM] (Class 7)	3	SS	12	3 1 3 4	4	SS 5' to 7' Drove casing to 7' Drilled to 7'
		WOOD, trace rock fragments (Class 7)	4	SS	1	2 1 2 1	3	SS 7' to 9' Drove casing to 9' Drilled to 9'
		WOOD, trace rock fragments (Class 7)	5	SS	3	3 1 1 7	2	SS 9' to 11' Installed casing to 11' Drilled to 11'
		Dark gray silty SAND, trace brick, trace rock fragments, trace organics [SM] (Class 7)	6	SS		4 1 2 7	3	SS 11' to 13' Drove casing to 13' Drilled to 15'
		Gray to black silty CLAY, shell fragments, trace brick, some silty sand [CH] (Class 7)	7	SS	10	2 2 3 4	5	Drilled to 15'. SS 15' to 17' Drove casing to 18'
-13.3	Class 6	**BC: Class 6**						

Coring (min) — Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

N-Value scale: 10 20 30 40

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Log of Boring **B-1(OW)** Sheet 2 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.75 BPMD

Material Symbol	Elev. (ft)	Building Code	Sample Description	Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Black silty CLAY, trace shell fragments, trace rock fragments, some silty sand [OL] (Class 6)		20–22	8	SS	14	2, 5, 3, 4	8	Drilled to 20'. SS 20' to 22'
			Gray-black silty CLAY, trace shell fragments [OH] (Class 6)		25–27	9	SS	22	2, 1, 2, 1	3	Drilled to 25'. SS 25' to 27' Drove casing to 29'
		Class 6	Gray-black silty CLAY, trace shell fragments [OH] (Class 6)		30–32	10	SS	24	1, 1, 1, 2	2	Drilled to 30'. SS 30' to 32' Drove casing to 35'
			Gray-black silty CLAY, trace shell fragments [OH] (Class 6)		35–37	11	SS	24	1, 1, 1, 1	2	Drilled to 35'. SS 35' to 37' Drove casing to 40'
			Gray-black silty CLAY, trace shell fragments [OH] (Class 6)		40–42	12	SS	24	1, 1, 1, 2	2	Drilled to 40'. SS 40' to 42' Drove casing to 45'

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Log of Boring **B-1(OW)** Sheet 3 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.75 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6	Gray-black silty CLAY, trace shell fragments [OH] (Class 6)	45–47	13	SS	24	1 1 2 2	3	Drilled to 45'. SS 45' to 47'
	Class 6	Gray silty CLAY, trace shell fragments [OH] (Class 6)	50–52	14	SS	24	1 1 2 2	3	Drilled to 50'. SS 50' to 52' Drove casing to 50'
	Class 6	Gray silty CLAY, trace shell fragments, trace gravel [OH] (Class 6)	55–57	15	SS	4	3 3 5 8	8	Drilled to 55'. SS 55' to 57'
-55.3	Class 3b	**BC: Class 3b** Brown c-f silty SAND, trace clay [SM] (Class 3b)	60–62	16	SS	6	11 13 11 17	24	Drilled to 60'. SS 60' to 62'
	Class 3b	Brown c-f silty SAND, trace clay [SM] (Class 3b)	65–67	17	SS	8	9 7 7 7	14	Drilled to 65'. SS 65' to 67' Rod is clogged with sand @ 12:15 p.m. to 1:30 p.m. Drove casing to 55' Drove casing to 60'

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Log of Boring **B-1(OW)** Sheet 4 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.75 BPMD

Elev. (ft)	Building Code	Sample Description	Coring (min)	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				70						Stopped drilling at 2 p.m. 10/25/05-Arrived at 7a.m. Began drilling at 7:45 a.m.
		Brown m-f silty SAND [SM] (Class 3b)		71	18	SS	24	9 6 6 6	12	Drilled to 70'. SS 70' to 72'
				72						
				73						
				74						
				75						Drilled to 75'. SS 75' to 77'
		Brown m-f silty SAND [SM] (Class 3b)		76	19	SS	24	6 6 6 5	12	
				77						
				78						
				79						
				80						Drilled to 80'. SS 80' to 82'
	Class 3b	Brown m-f SAND, trace silt [SP] (Class 3b)		81	20	SS	14	8 6 8 6	14	
				82						
				83						
				84						
				85						Drilled to 85'. SS 85' to 87'
		Red-brown m-f SAND, some gravel, trace silt [SP] (Class 3b)		86	21	SS	10	10 9 9 10	18	
				87						
				88						
				89						
				90						Drilled to 90'. SS 90' to 92' Rig chattering very hard, slow drilling Assumed top of rock @ 92'
-87.3				91						
		BC: Class 1a	05:00	92						Top of rock at 92'
	Class 1a	Gray, hard MICA SCHIST	04:00	93	1	NX CORE BARREL	REC="/60" =%	RQD=42"/60" =70%		
			05:00	94						
				95						

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Log of Boring **B-1(OW)** Sheet 5 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.75 BPMD

MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Class 1a	Gray, slightly fractured MICA SCHIST, slightly weathered joints	04:00, 05:00, 03:00, 03:00, 02:00, 02:30, 02:30	95–101	1, 2	NX CORE BARREL	REC="/60" =%	RQD=42"/60" =70%		
	-97.3		End of boring at 102'		102						Boring completed at 102' below grade. Observation well installed 25' below the grade with 20' screen

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Log of Boring **B-2** Sheet 1 of 5

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 4.80 BPMD
Drilling Company: Aquifer Drilling and Testing Inc.	Date Started: 10/21/05 — Date Finished: 10/27/05
Drilling Equipment: DK-515 Davey Drill Rig	Completion Depth: 100 ft — Rock Depth: 90 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit	Number of Samples: Disturbed 20, Undisturbed 0, Core 2
Casing Diameter (in): 4" — Casing Depth (ft): 25'	Water Level (ft.): First ▽ -, Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	Drilling Foreman: Ed Borner
Sampler: 2" Standard Split Spoon	Inspecting Engineer: Al Bonura
Sampler Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Casing blws/ ft	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+4.8		6" Concrete Slab						10/21/2005-Arrived at site at 7 a.m. Mobilized to hole B-2 Began drilling at 1:40 p.m.
+4.3	Class 7	**BC: Class 7**	PUSH					Hard drilling to 2' SS 2' to 4' Drill to 4'
		Brown c-f GRAVEL, some sand, trace brick, trace asphalt [GP] (Class 7)	3	1	SS	11	8	SS 4' to 6' Stopped drilling at 2:30 p.m.
		Brown c-f GRAVEL, trace silt, trace brick, trace rock, some asphalt [GP] (Class 7)	2 9	2	SS	5	19 12 15 9	10/24/2005-Arrived at 7 a.m. Rig broken, fixed at 1:35 Continue drilling at 1:45 p.m. Drilled to 6' SS 6' to 8'
		Brown c-f GRAVEL, some sand, trace brick, trace rock fragments, trace silt [GP] (Class 7)	17 18	3	SS	6	15 7 7 9	Drilled to 8' SS 8' to 10'
		Brown c-f GRAVEL, some sand, trace brick, trace silt [GP] (Class 7)		4	SS	6	15 19 15 13	Drilled to 10' SS 10' to 12' Drove casing to 15'
		Brown c-f GRAVEL, some sand, trace brick, trace silt [GP] (Class 7)		5	SS	10	9 15 7 12	Drilled to 15' SS 15' to 17' Advanced casing to 20'
-8.7	Class 6	**BC: Class 6**						
		Gray-black organic SILT, some sand, trace shell fragments [OL] (Class 6)		6	SS	6	9 7 16 7	

Sample Data — N-Value (Blows/ft): 10 20 30 40; 27, 14, 34, 22, 23

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Log of Boring **B-2** Sheet 2 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.80 BPMD

Material Symbol	Elev. (ft)	Building Code	Sample Description	Casng blws/ ft	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					20						Drilled to 20' SS 20' to 22' Advanced casing to 25'
			Gray silty CLAY, trace shell fragments [OH] (Class 6)		21–22	7	SS	10	WOH 1 2 2	3	
					23–25						Drilled to 25' SS 25' to 27'
			Gray silty CLAY [OH] (Class 6)		26–27	8	SS	20	3 1 3 5	4	
					28–30						Drilled to 30' SS 30' to 32'
			Gray silty CLAY, trace shell fragments [OH] (Class 6)		31–32	9	SS	22	1 2 2 2	4	
		Class 6			33–35						Drilled to 35' SS 35' to 37'
			Gray silty CLAY, trace shell fragments [OH] (Class 6)		36–37	10	SS		WOH 2 2 2	4	
					38–40						Drilled to 40' SS 40' to 45'
			Gray silty CLAY, trace shell fragments [OH] (Class 6)		41–42	11	SS	22	2 1 1 2	2	
					43–45						

N-Value scale: 10 20 30 40

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Log of Boring **B-2** Sheet 3 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.80 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			45						Drilled to 45' SS 45' to 47'
	Class 6	Gray silty CLAY, trace shell fragments [OH] (Class 6)	46–48	12	SS	20	2, 2, 1, 1	3	
			49–50						Drilled to 50' SS 50' to 52'
		Gray silty CLAY, trace shell fragments [OH] (Class 6)	51–53	13	SS	24	1, 2, 2, 3	4	
-48.7		**BC: Class 3**	54						
			55						Drilled to 55' SS 55' to 57'
		Gray-brown m-f silty SAND, trace clay, trace rock [SM] (Class 3b)	56–58	14	SS	12	9, 5, 15, 18	20	
			59						
			60						Drilled to 60' SS 60' to 62'
	Class 3	Red-brown f. silty SAND [SM] (Class 3a)	61–62	15	SS	12	20, 30, 37	67	
			63						
			64						
			65						Drilled to 65' SS 65' to 67'
		Red-brown m-f silty SAND [SM] (Class 3a)	66–68	16	SS	8	18, 19, 20, 22	39	
			69						
			70						

Casng blws/ ft

Sample Data

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-2** Sheet 4 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.80 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
								Drilled to 70' SS 70' to 72'
		Brown c-f silty SAND, trace clay [SM] (Class 3a)	17	SS	8	9 25 34 30	59	
								Drilled to 75' SS 75' to 77'
		Brown m-f silty SAND [SM] (Class 3a)	18	SS	10	17 25 21 20	46	
	Class 3							Drilled to 80' SS 80' to 82'
		Brown m-f silty SAND [SM] (Class 3a)	19	SS	12	8 11 15 17	26	
								Drilled to 85' Stopped drilling at 2:15 p.m. SS 85' to 87'
		Brown m-f silty SAND [SM] (Class 3b)	20	SS	20	6 3 15 30	18	Hard drilling between 88' and 90' Possible decomposed rock
-85.2		**BC: Class 1a**						Hit rock at 90'
	Class 1a	Gray, very hard, fresh MICA SCHIST (Class 1a)	1	NX CORE BARREL	REC="/60" =%	RQD=57"/60" =95%		

Depth Scale: 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95

Casng blws/ ft

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-2** Sheet 5 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.80 BPMD

MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Casng blws/ ft	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Class 1a	Gray, very hard, fresh MICA SCHIST (Class 1a)		95–99	2	NX CORE BARREL	REC="/60" =%	RQD=57"/60" =95%		
	-95.2		End of boring at 100'		100						Boring completed at 100' below grade

Depth Scale: 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120

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Log of Boring **B-3** Sheet 1 of 4

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 4 BPMD
Drilling Company: Aquifer Drilling and Testing Inc.	Date Started: 10/14/05 — Date Finished: 10/19/05
Drilling Equipment: DK-515 Davey Drill Rig	Completion Depth: 80 ft — Rock Depth: 70 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit	Number of Samples: Disturbed 17, Undisturbed 0, Core 2
Casing Diameter (in): 4" — Casing Depth (ft): 24'	Water Level (ft.): First ▽ -, Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	Drilling Foreman: Tim Vanness
Sampler: 2" Standard Split Spoon	Inspecting Engineer: Cem Altuntas
Sampler Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+4.0								
+3.8		Approx. 2"-thick concrete slab						10/14/2005-Start drilling at 12:00 a.m.
	Class 7	**BC: Class 7**						
		Gray/black gravelly SAND, trace clay, trace brick fragments [SP] (Class 7)	1	SS	4	6 6 8 15	14	SS 1' to 3'
		Gray gravelly SAND, trace clay, trace brick fragments [SP] (Class 7)	2	SS	3	10 12 10 12	22	SS 3' to 5'; Installed casing to 4'.
		Gray gravelly SAND, trace clay, trace brick fragments [SP] (Class 7)	3	SS	4	6 11 43 34	54	SS 5' to 7'
		No Recovery	4	SS	NR	30 15 13 15	28	SS 7' to 9'
		Gray c-f silty SAND, trace gravel, trace brick [SM] (Class 7)	5	SS	10	5 12 18 51	30	Casing installed to 8'; SS 9' to 11'
-6.0	Class 6	**BC: Class 6**						
		Dark gray silty CLAY, trace shell fragments, trace sand [OH] (Class 6)	6	SS	5	5 4 3 1	7	
		Gray silty CLAY, trace sand [OH] (Class 6)	7	SS	2	8 2 3 4	5	Drilled to 15'. SS 15' to 17'

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

Casing blws/ ft; Coring (min)

N-Value scale: 10 20 30 40

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Log of Boring **B-3** Sheet 2 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4 BPMD

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			No Recovery	20–22	8	SS	NR	3 2 2 2	4	10/15/2005-2:30 p.m. stopped drilling 10/18/2005-7:30 a.m. started drilling Drilled to 20'. SS 20' to 22'
			Gray silty CLAY [OH] (Class 6)	25–27	9	SS	24	WOH 2 3 2	5	Installed casing to 24' Drilled to 25'. SS 25' to 27'
		Class 6	Dark gray silty CLAY [OH] (Class 6)	30–32	10	SS	24	2 2 3 4	5	Drilled to 30'. SS 30' to 32'
			Gray silty CLAY, trace shell fragments [OH] (Class 6)	35–37	11	SS	18	WOH WOH WOH 7	0	Drilled to 35. SS 35' to 37'
			Gray silty CLAY, trace shell fragments [OH] (Class 6)	40–42	12	SS	24	4 2 3 3	5	Drilled to 40'. SS 40' to 42'

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-3** Sheet 3 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6	Gray silty CLAY [OH] (Class 6)	45–47	13	SS	24	WOH WOH WOH WOH	0	Drilled to 45'. SS 45' to 47'
	Class 6	Gray silty CLAY [OH] (Class 6)	50–52	14	SS	24	WOH 3 4 3	7	Drilled to 50' SS 50' to 52'
	Class 6	Gray silty CLAY [OH] (Class 6)	55–57	15	SS	20	WOH WOH 5 6	5	Drilled to 55' SS 55' to 57'
	Class 6	Gray silty CLAY [OH] (Class 6)	60–62	16	SS	24	1 1 3 4	4	Drilled to 60' SS 60' to 62'
-60.0	Class 3	**BC: Class 3** Gray silty SAND, trace clay [SM] (Class 3a)	65–67	17	SS	16	6 5		Hard drilling to 65' Possible gravel layer SS 65' to 67'
			68–70						Very hard drilling from 65' to 70' 10/18/2005-Stopped drilling at 2:30 p.m. Started drilling at 7:45 a.m.

Casng blws/ ft
Coring (min)

Depth Scale: 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-3** Sheet 4 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
-66.2		No Recovery	70	18	S[illegible]	2	100/2""		10/19/2005 Hit rock layer at 70'
		BC: Class 1a Gray, very hard, MICA SCHIST (Class 1a)	71						
			72	1	NX CORE BARREL	REC="/60" =%	RQD=52"/60" =87%		
			73						
			74						
	Class 1a		75						
		Gray, very hard MICA SCHIST	76						
			77	2	NX CORE BARREL	REC="/60" =%	RQD=53"/60" =88%		
			78						
			79						
-76.2		End of boring at 80'	80						Boring completed at 80' below grade at 1:00 p.m. 10/19/2005
			81						
			82						
			83						
			84						
			85						
			86						
			87						
			88						
			89						
			90						
			91						
			92						
			93						
			94						
			95						

Casng blws/ ft
Coring (min)

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-4** Sheet 1 of 4

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 4.79 BPMD
Drilling Company: Aquifer Drilling and Testing Inc.	Date Started: 11/1/05 / Date Finished: 11/2/05
Drilling Equipment: DK-515 Davey Drill Rig	Completion Depth: 87 ft / Rock Depth: 77 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit	Number of Samples: Disturbed 19, Undisturbed 0, Core 2
Casing Diameter (in): 4" / Casing Depth (ft): 24'	Water Level (ft.): First ▽ -, Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Donut / Weight (lbs): 140 / Drop (in): 30"	Drilling Foreman: Tim Vanness
Sampler: 2" Standard Split Spoon	Inspecting Engineer: Cem Altuntas
Sampler Hammer: Donut / Weight (lbs): 140 / Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Casng blws/ ft Coring (min)	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+4.8		**BC: Class 7**							11/01/2005-10:45 a.m. started drilling Drilled to 1'. SS 1' to 3'
	Class 7	Dark brown/black c-f gravelly SAND, trace brick [SP] (Class 7)	PUSH	1	SS	10	4 2 3 2	5	SS 3' to 5'
		Dark gray m-f silty SAND, trace brick [SM] (Class 7)		2	SS	12	7 8 6 7	14	Installed casing to 4'. Lost some drill water SS 5' to 7'
		Dark gray/black m-f silty SAND and WOOD, trace brick [SM] (Class 7)		3	SS	10	3 6 3 4	9	SS 7' to 9' Casing installed to 8' below the grade
		3-inch long WOOD (Class 7)		4	SS	3	17 3 2 1	5	SS 9' to 11'
		WOOD and BRICK (Class 7)		5	SS	4	1 WOH WOH WOH	0	SS 11' to 13'
-8.2		Dark gray f. silty SAND, trace brick [SM] (Class 7)		6	SS		1 2 2 1	4	
		BC: Class 6							
	Class 6	Dark gray/black CLAY, trace wood [OH] (Class 6)		7	SS	15	1 3 2 1	5	Drilled to 15'. SS 15' to 17'

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

N-Value scale: 10 20 30 40

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Log of Boring **B-4** Sheet 2 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.79 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6	Dark gray/black CLAY [OH] (Class 6)	8	SS	24	1 2 3 1	5	Drilled to 20'. SS 20' to 22'
			9	SS	20	1 2 4 4	6	Drilled to 25'. SS 25' to 27'
-21.2	Wood	**BC: Wood** 17-inch long intact WOOD						
		20-inch long intact WOOD	10	SS	8	11 12 16 20	28	Casing installed to 24' below grade Drilled to 30'. 26' to 30' hard drilling Wood return as drill rod pulled out SS 30' to 32'
-29.2	Class 6	**BC: Class 6**						
		Gray silty CLAY [OH] (Class 6)	11	SS	14	4 3 3 4	6	Casing installed to 29' below grade Drilled to 35'. Hard drilling between 30' to 34' Wood fibers in return SS 35' to 37'
		Gray silty CLAY [OH] (Class 6)	12	SS	24	1 1 1 2	2	Drilled to 40'. SS 40' to 42'

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

Casng blws/ ft
Coring (min)

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-4** Sheet 3 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.79 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6	Gray silty CLAY [OH] (Class 6)	13	SS	24	1 2 1 2	3	Drilled to 45'. SS 45' to 47' Casing installed to 44' below the grade
	Class 6	Gray silty CLAY [OH] (Class 6)	14	SS	24	2 3 5 4	8	Drilled to 50'. SS 50' to 52'
-50.2	Class 3b	**BC: Class 3b** Red-brown f. silty SAND [SM] (Class 3)	15	SS	21	3 6 10 13	16	Drilled to 55'. SS 55' to 57' Installed casing to 49' below the grade
	Class 3b	Red-brown f-m SAND [SP] (Class 3)	16	SS	20	7 7 11 10	18	Drilled to 60'. SS 60' to 62' Casing installed to 54' below the grade
	Class 3b	Red-brown f-m SAND [SP] (Class 3)	17	SS	22	8 7 6 5	13	Drilled to 65'. SS 65' to 67' Casing installed to 64' below the grade

Depth Scale: 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

Casng blws/ ft Coring (min)

N-Value scale: 10 20 30 40

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Log of Boring **B-4** Sheet 4 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.79 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 3b	Red-brown f-m SAND [SP] (Class 3)	70–72	18	SS	16	3, 5, 7, 8	12	Drilled to 70'. SS 70' to 72'
-70.2	Weathered Rock	**BC: Weathered Rock** Weathered Rock	75–76	19	SS	5	100/5""		Drilled to 75'. SS 75' to 77'
-72.2	Class 1	**BC: Class 1** Hard, sound gray MICA SCHIST (Class 1a)	77–81	1	NX CORE BARREL	REC="/60" =%	RQD=60"/60" =100%		Hit rock at 77' NX-Core 77 ft. to 82 ft. Smooth steady drilling
	Class 1	Gray MICA SCHIST (Class 1d)	82–86	2	NX CORE BARREL	REC="/60" =%	RQD=15"/60" =25%		NX-Core #2 82' to 87' Smooth steady drilling
-82.2		End of boring at 87'	87						End of boring at 87' Backfilled borehole

Casng blws/ ft
Coring (min)

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Log of Boring **B-5(OW)** Sheet 1 of 5

Project: 551 West 21st Street		Project No.: 170193301	
Location: Manhattan, NY		Elevation and Datum: APPROX 4.29 BPMD	
Drilling Company: Aquifer Drilling and Testing Inc.		Date Started: 10/20/05	Date Finished: 10/20/05
Drilling Equipment: CME-75 Truck Mounted Rig		Completion Depth: 96 ft	Rock Depth: 86 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit		Number of Samples: Disturbed 20	Undisturbed 0 / Core 2
Casing Diameter (in): 4"	Casing Depth (ft): 24'	Water Level (ft.): First ▽ -	Completion ▼ - / 24 HR. ▼ -
Casing Hammer: Safety	Weight (lbs): 140 / Drop (in): 30"	Drilling Foreman: Tim Vanness	
Sampler: 2" Standard Split Spoon		Inspecting Engineer: Cem Altuntas	
Sampler Hammer: Safety	Weight (lbs): 140 / Drop (in): 30"		

Elev. (ft)	Building Code	Sample Description	Casng blws/ ft Coring (min)	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+4.3				0						
+3.8		6-inch thick concrete slab								10/20/2005-Start drilling at 8:30 a.m.
		BC: Class 7		1						Drill through 6"-concrete slab SS 1' to 3'
		Brown c-f SAND, trace gravel, trace brick [SP] (Class 7)	PUSH	2	1	SS	6	7 7 9 8	16	
				3						SS 3' to 5'
		Brown m-f SAND, trace gravel, trace brick [SP] (Class 7)		4	2	SS	8	4 10 9 6	19	
				5						Drilled to 5'. SS 5' to 7'
	Class 7	Brown/black m-f SAND, some gravel, trace brick [SP] (Class 7)	PUSH	6	3	SS	10	6 4 7 5	11	
				7						SS 7' to 9'
		Dark gray/black f. silty SAND [SM] (Class 7)		8	4	SS	12	9 12 12 10	24	
				9						Install casing to 9' below grade Drilled to 9'. SS 9' to 11'
		Dark gray/black silty f. SAND, trace brick [SP] (Class 7)		10	5	SS	16	7 12 10 13	22	
				11						
				12						
-8.7		**BC: Class 6**		13						
				14						
				15						Drilled to 15'. SS 15' to 17' Install casing to 14' below grade
	Class 6	No Recovery		16	6	SS	NR	WOH 1 WOH 1	1	
				17						
				18						
				19						
				20						

N-Value scale: 10 20 30 40

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Log of Boring **B-5(OW)** Sheet 2 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.29 BPMD

MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Casng blws/ ft Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Dark gray/black silty CLAY [OH] (Class 6)		20–22	7	SS	20	WOH WOH WOH WOH	0	Drilled to 20'. SS 20' to 22' Install casing to 19' below grade
			Dark gray/black silty CLAY [OH] (Class 6)		25–27	8	SS	20	WOH WOH WOH WOH	0	Drilled to 25'. SS 25' to 27'
		Class 6	Dark gray/black silty CLAY, trace shell [OH] (Class 6)		30–32	9	SS	24	WOH WOH WOH WOH	0	Drilled to 30'. SS 30' to 32' Install casing to 29' below grade
			Dark gray/black silty CLAY, trace shell [OH] (Class 6)		35–37	10	SS	24	WOH WOH WOH WOH	0	Drilled to 35'. SS 35' to 37'
			Gray silty CLAY, trace shell [OH] (Class 6)		40–42	11	SS	24	WOH WOH WOH WOH	0	Drilled to 40'. SS 40' to 42'

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

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Log of Boring **B-5(OW)** Sheet 3 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.29 BPMD

MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Casng blws/ ft Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Gray silty CLAY [OH] (Class 6)		45–47	12	SS	24	WOH WOH WOH WOH	0	Drilled to 45'. SS 45' to 47'
			Gray silty CLAY, trace shell [OH] (Class 6)		50–52	13	SS	24	WOH WOH WOH WOH	0	Drilled to 50'. SS 50' to 52'
		Class 6	Gray silty CLAY, trace shell [OH] (Class 6)		55–57	14	SS	24	WOH WOH WOH WOH	0	Drilled to 55'. SS 55' to 57'
			Gray silty CLAY, trace shell [OH] (Class 6)		60–62	15	SS	24	WOH WOH WOH WOH	0	Drilled to 60'. SS 66' to 62'
			Gray silty CLAY, trace shell [OH] (Class 6)		65–67	16	SS	24	WOH WOH WOH WOH	0	Drilled to 65'. SS 65' to 67'
	-64.2	Class 6 and 3	**BC: Class 6 and 3**		68–70						

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Log of Boring **B-5(OW)** Sheet 4 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.29 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6 and 3	Red-brown silty f. SAND [SM] (Class 3b)	70–72	17	SS	8	4 6 5 5	11	Drilled to 70'. SS 70' to 72'
		No Recovery	75–77	18	SS	NR	7 7 7 5	14	Drilled to 75'. SS 75' to 77'
		Red-brown silty m-f SAND [SM] (Class 6)	80–82	19	SS	8	3 4 3 4	7	Drilled to 80'. SS 80' to 82'
-80.7	Class 1d	**BC: Class 1d** Decomposed Rock (Class 1d)	85	20	SS	7	60		Drilled to 85'. SS 85' to 87'
-81.7	Class 1a and 1b	**BC: Class 1a and 1b**	86						Hit rock at 86'
		Gray, very hard, MICA SCHIST (Class 1a)	87–91	1	NX CORE BARREL	REC="/60" =%	RQD=54"/60" =90%		
		Gray, very hard, MICA SCHIST (Class 1b)	92–95	2	NX CORE BARREL	REC="/60" =%	RQD=38"/60" =63%		

Casng blws/ ft Coring (min)

Sample Data

N-Value (Blows/ft) 10 20 30 40

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Log of Boring **B-5(OW)** Sheet 5 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.29 BPMD

MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Casng blws/ ft Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	-91.7	Class 1a and 1b			95	2					
			End of boring at 96'		96						Boring completed 96' below the grade Install at GW well
					97						
					98						
					99						
					100						
					101						
					102						
					103						
					104						
					105						
					106						
					107						
					108						
					109						
					110						
					111						
					112						
					113						
					114						
					115						
					116						
					117						
					118						
					119						
					120						

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Log of Boring **B-8** Sheet 1 of 3

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 0 BPMD
Drilling Company: Warren George, Inc.	Date Started: 5/21/12 — Date Finished: 5/25/12
Drilling Equipment: Portable Elctric Drill Rig	Completion Depth: 67 ft — Rock Depth: 62 ft
Size and Type of Bit: 2 7/8" Tri-Cone Roller Bit/ 3" Thin-Wall Core	Number of Samples: Disturbed 17, Undisturbed 0, Core 1
Casing Diameter (in): 3" — Casing Depth (ft): 18'	Water Level (ft.): First ▽ -, Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	Drilling Foreman: Gus Tserbis
Sampler: 2" Standard Split Spoon/ 2" NX Core Barrel	Inspecting Engineer: Corrie Campbell
Sampler Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
0.0		6" Concrete Slab						
-0.5		Brown silty SAND, trace f. gravel, trace clay, trace cinders (moist) [FILL] (Class 7)	1	SS	8	3 2 3 5	5	SS 0.5' to 2.5'
		Brown silty SAND, trace f. gravel, trace clay (moist) [FILL] (Class 7)	2	SS	12	8 5 8 7	13	SS 2.5' to 4.5' Installed casing to 4' Drilled to 5' - Brown wash to dk. gray wash at 3'
		Dark gray gravelly SAND, trace mica, trace silt (moist) [FILL] (Class 7)	3	SS	7	4 5 5 2	10	SS 5' to 7' Drilled to 7' - Dk. gray wash
		Dark gray gravelly SAND, trace mica, trace silt, trace brick (moist) [FILL] (Class 7)	4	SS	8	2 10 12 11	22	SS 7' to 9' Install casing to 9' Drill to 9' - Brown/gray wash
		Dark gray gravelly SAND, trace mica, trace silt (wet) [FILL] (Class 7)	5	SS	2	10 6 3 3	9	SS 9' to 11' Drill to 11' - Very hard drilling @ 9' - Wood in wash (Possible Wood ribbing) Casing dropped to 10'
		Dark gray gravelly SAND, trace mica, trace silt (wet) [FILL] (Class 7)	6	SS	6	11 12 4 6	16	SS 11' to 13' Install casing to 14' Drill to 15' - Dark gray wash Rig chatter and hard drilling from 12.5' to 14'
		gray sandy SILT, trace f. gravel, trace brick, with lens of brown m-f sand (wet) [FILL] (Class 7)	7	SS	8	7 6 5 5	11	SS 14' to 16' Install casing to 19' Drill to 20' - Heavy rig chatter from 16.5' to 18' Smooth drilling 18' to 20'
-18.0	CLASS 6	Black organic SILT, trace roots (wet) [OL] (Class 6) **BC: CLASS 6**						

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

N-Value scale: 10 20 30 40

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Log of Boring **B-8** Sheet 2 of 3

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 0 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	CLASS 6	No Recovery	8	SS	0	3 2 3 3	5	SS 20' to 22' No recovery
-22.5		Black organic SILT, trace roots (wet) [OL] (Class 6)						SS 22' to 24'
	CLASS 6	Dark gray medium stiff CLAY, some silt (wet) [OH] (Class 6) **BC: CLASS 6** Dark gray medium stiff CLAY, some silt (wet) [OH] (Class 6)	9	SS	16	3 3 3 3	6	
		Dark gray medium stiff CLAY, some silt (wet) [OH] (Class 6)	10	SS	24	2 2 3 3	5	Drilled to 25' - Smooth drilling Dark gray wash SS 25' to 27'
		Dark gray medium stiff CLAY, some silt, trace shells (wet) [OH] (Class 6)	11	SS	24	2 2 2 3	4	Drilled to 30' - Smooth drilling Dark gray wash SS 30' to 32'
	CLASS 6	Dark gray medium stiff CLAY, some silt, trace shells (wet) [OH] (Class 6)	12	SS	24	W.O.H. 2 2 2	4	Drilled to 35' - Smooth drilling Dark gray wash SS 35' to 37'
		Dark gray medium stiff CLAY, some silt, trace shells (wet) [OH] (Class 6)	13	SS	24	1 2 2 2	4	Drilled to 40'- Smooth drilling Dark gray wash SS 40' to 42'

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

N-Value scale: 10 20 30 40

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Log of Boring **B-8** Sheet 3 of 3

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 0 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	CLASS 6	Dark gray medium stiff CLAY, some silt, trace shells (wet) [OH] (Class 6)	14	SS	24	W.O.H 2 2 2	4	Drilled to 45'- Smooth drilling Dark gray wash SS 45' to 47'
		Dark gray medium stiff CLAY, some silt, trace shells (wet) [OH] (Class 6)	15	SS	24	2 2 2 2	4	Drilled to 50'- Smooth drilling Dark gray wash SS 50' to 52'
-54.0	CLASS 5	Gray/brown sandy SILT, trace mica (wet) [ML] (Class 5b) **BC: CLASS 5** Gray/brown sandy SILT, trace mica (wet) [ML] (Class 5b)	16	SS	24	6 11 8 12	19	Drilled to 55'- Smooth drilling Dark gray wash Rig chatter at 54' SS 55' to 57'
		Gray/brown sandy SILT, trace mica (wet) [ML] (Class 5b)	17	SS	15	2 10		Drilled to 60' - Rig chatter at 56.5' to 57' SS 60' to 62'
-61.0	Class 1	Highly weathered GRANITE (Class 1d) **BC: Class 1**						Drilled to 62' - Heavy rig chatter Hard drilling to 62' Start C-1 at 62'
-62.0	Class 1	dark gray and black, moderately to slightly fractured, hard, slightly weathered, medium to fine grained AMPHIBOLITE and GRANITE (Class 1a) **BC: Class 1**	1	NX CORE BARREL	REC=''/60'' =%	RQD=59''/60'' =98%		
-67.0		End of Boring at 67'.						

Depth Scale: 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

N-Value scale: 10 20 30 40

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Log of Boring **B-9** Sheet 1 of 3

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 3.83 BPMD
Drilling Company: Warren George, Inc.	Date Started: 5/29/12 — Date Finished: 5/31/12
Drilling Equipment: Portable Elctric Drill Rig	Completion Depth: 60 ft — Rock Depth: 59.7 ft
Size and Type of Bit: 2 7/8" Tri-Cone Roller Bit/ 3" Thin-Wall Core	Number of Samples: Disturbed 14, Undisturbed 0, Core 0
Casing Diameter (in): 3" — Casing Depth (ft): 19'	Water Level (ft.): First ▽ -, Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	Drilling Foreman: Gus Tserbis
Sampler: 2" Standard Split Spoon/ 2" NX Core Barrel	Inspecting Engineer: Corrie Campbell
Sampler Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+3.8		Concrete Slab (First FLoor)						5/29/2012-Start moving equipment at 7:40 a.m. Begin drilling at concrete slab at 11:30 a.m. 1/2" concrete slab, 3/4" brick slab
+2.8	Class 7	Brown m-f SAND with some silt, trace gravel, trace brick, trace concrete (moist) [FILL] (Class 7) **BC: Class 7**	1	SS	6	5 16 6 3	22	SS 1' to 3'
		Brown silty m-f SAND with trace gravel, trace brick, trace shell (moist) [FILL] (Class 7)	2	SS	3	3 5 2 3	7	SS 3' to 5' Hit obstruction at 3' Drill to 5'
		Brown silty m-f SAND with trace gravel, trace brick (moist) [FILL] (Class 7)	3	SS	8	3 2 3 13	5	SS 5' to 7' Install 4' of casing from 0' to 4'
		Brown silty m-f SAND with trace gravel, trace brick (moist) [FILL] (Class 7)	4	SS	18	30 34 28 27	62	Install 3' of casing to 7' Drill to 7' Slight Rig chatter Color change in wash at 6.5' from dark to light brown SS 7' to 9'
		Black gravelly m-f SAND with trace brick, trace mica (moist) [FILL] (Class 7)	5	SS	4	12 11 31 19	42	Drill to 9' Brown wash Slight rig chatter SS 9' to 11'
-7.2	Class 1d	**BC: Class 1d**						
		No Recovery When cored: Decomposed MICA SCHIST	6	SS	0	50/0""		End of 5/29/2012 at 3:15 p.m. Attempt to drill to 15' Hit layer of rip rap at 10' Lots of rig chatter, slow drilling Loss of water Stop drilling at 12' Install casing from 7' to 10' Unable to penetrate with casing further Attempt to drill to 15 Schist in return Slow drilling and lots of rig chatter Stop drilling at 13' and install casing Drill to 15' Slow drilling, lots of rig
-15.2	Class 6	**BC: Class 6**						

Depth Scale: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

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Log of Boring **B-9** Sheet 2 of 3

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 3.83 BPMD

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Dark gray silty CLAY, trace sand [OH] (Class 6)	20–22	7	SS	1	2 2 2 3	4	chatter SS 15' to 17' No return Start coring at 15' End coring at 17' Install 5' of casing from 15' to 17' Drill to 20' Slow drilling, slight rig chatter Gray/brown wash At 19' wash turned black SS 20' to 22'
			Dark gray silty CLAY, trace sand [OH] (Class 6)	25–27	8	SS	24	W.O.H. W.O.H. 1 2	1	Drill to 25' Smooth drilling, gray wash SS 25' to 27'
		Class 6	Gray silty CLAY, trace sand [OH] (Class 6)	30–32	9	SS	24	2 2 2 4	4	Drill to 30' Smooth drilling, gray wash SS 30' to 32'
			Dark gray silty CLAY, trace shells, trace sand [OH] (Class 6)	35–37	10	SS	22	2 1 1 2	2	Drill to 35' Smooth drilling, gray wash SS 35' to 37'
			Gray silty CLAY, trace shells, trace sand [OH] (Class 6)	40–42	11	SS	24	1 1 1 2	2	Drill to 40' Smooth drilling, gray wash SS 40' to 42'

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

N-Value scale: 10 20 30 40

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Log of Boring **B-9** Sheet 3 of 3

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 3.83 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Gray silty CLAY, trace sand [OH] (Class 6)	45–47	12	SS	24	1 1 2 4	3	Drill to 45' Smooth drilling, gray wash SS 45' to 47'
	Class 6	Gray silty CLAY, trace sand [OH] (Class 6)	50–52	13	SS	22	1 1 2 3	3	Drill to 50' Smooth drilling, gray wash SS 50' to 52'
		Gray silty CLAY, some sand [OH] (Class 6)	55–57	14	SS	24	2 1 2 4	3	Drill to 55' Smooth drilling, gray wash SS 55' to 57'
-55.7	Class 1d	**BC: Class 1d**	59						Drill to 60' Smooth drilling, gray wash At 59.5' hit a small sand layer At 59.7' hit a layer of rock, roller bit to 60' End of 5/31/2012 at 2:45 p.m. End of boring at 60'
-56.2			60						

Depth Scale: 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

N-Value scale: 10 20 30 40

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Log of Boring **B-10(OW)** Sheet 1 of 4

Project: 551 West 21st Street		Project No.: 170193301	
Location: Manhattan, NY		Elevation and Datum: APPROX 5.23 BPMD	
Drilling Company: Warren George, Inc.		Date Started: 5/21/12	Date Finished: 5/22/12
Drilling Equipment: DK-525 Track-Mounted Rig		Completion Depth: 74 ft	Rock Depth: 69 ft
Size and Type of Bit: 2 7/8" Tri-Cone Roller Bit/ 3" Thin-Wall Core		Number of Samples: Disturbed 17	Undisturbed 3 / Core 1
Casing Diameter (in): 4"	Casing Depth (ft): 19'	Water Level (ft.): First -	Completion - / 24 HR. -
Casing Hammer: Donut	Weight (lbs): 140 / Drop (in): 30"	Drilling Foreman: Jim Wilson	
Sampler: 2" Standard Split Spoon/ 2" NX Core Barrel		Inspecting Engineer: Corrie Campbell	
Sampler Hammer: Donut	Weight (lbs): 140 / Drop (in): 30"		

Elev. (ft)	Building Code	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+5.2								
+4.7		6" concrete slab						5/21/2012-Langan arrives on site at 7:00 a.m. Warren George arrives at 8:33 a.m. Begin B-10(OW) at 10:45 a.m.
	Class 7	**BC: Class 7** Dark brown m-f gravelly SAND, trace concrete, trace silt [SP] (Class 7)	1	SS	18	4 3 6 7	9	Drill through 6" concrete slab SS 1' to 3'
		Dark brown c-f SAND, some gravel, trace silt [SP] (Class 7)	2	SS	13	3 4 8 12	12	SS 3' to 5'
		Dark brown c-f SAND, some gravel, trace asphalt, trace silt [SP] (Class 7)	3	SS	15	6 6 4 6	10	SS 5' to 7' Drill to 7' Brown wash, some rig chatter
		Brown f. silty SAND and organic CLAY [SM and OH] (Class 7)	4	SS	8	9 12 12 8	24	SS 7' to 9'
		Brown f. silty SAND and organic CLAY with some gravel [SM and OH] (Class 7)	5	SS	8	10 4 10 7	14	SS 9' to 11' Install 9' of casing from 0' to 9'
		Black f. silty SAND and PEAT [SM and OH] (Class 7)	6	SS	24	9 23 25 38	48	SS 10' to 12' Gasoline odor
-8.3		**BC: Class 6**						
	Class 6	Gray organic CLAY with trace gravel, some silt [OH] (Class 6)	7	SS	15	2 2 2 2	4	Add water to tub Drill to 15' Gasoline odor, brown wash Slight rig chatter Wash turns black at 10' SS 15' to 17'

Depth Scale: 0 – 20

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-10(OW)** Sheet 2 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 5.23 BPMD

Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Sample Description	Building Code	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
20								Install 10' of casing from 9' to 19'
21	8	SS	19	WOH WOH WOH WOH	0	Gray silty CLAY [OH] (Class 6)		Drill to 20' Black wash, gasoline odor Organic clay in return SS 20' to 22'
22								
23								
24								
25								Drill to 25' Gray wash Smooth, fast drilling SS 25' to 27'
26	9	SS	22	WOH WOH WOH WOH	0	Gray silty CLAY [OH] (Class 6)		
27								
28								
29								
30								Drill to 30' Gray wash Smooth, fast drilling SS 30' to 32'
31	10	SS	24	WOH WOH WOH WOH	0	Gray silty CLAY, trace shell [OH] (Class 6)		
32							Class 6	
33								
34								
35								Drill to 35' Gray wash Smooth, fast drilling SS 35' to 37'
36	11	SS	24	WOH WOH WOH WOH	0	Gray silty CLAY, trace shell [OH] (Class 6)		
37								
38								
39								
40								Drill to 40' Gray wash Smooth, fast drilling SS 40' to 45'
41	12	SS	24	WOH WOH WOH WOH	0	Gray silty CLAY, trace shell [OH] (Class 6)		
42								
43								
44								
45								

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Log of Boring **B-10(OW)** Sheet 3 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 5.23 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6	Gray silty CLAY, trace shell [OH] (Class 6)	13	SS	24	WOH WOH WOH WOH	0	Add more water to tub Drill to 45' Gray wash Smooth, fast drilling SS 45' to 47'
			1	UNDIST	24			Drill to 47' Take UD-1 with Shelby Tube from 47' to 49'
		Gray silty CLAY [OH] (Class 6)	14	SS	24	WOH WOH 4 4	4	Drill to 49' Gray wash Smooth, fast drilling SS 49' to 51'
			2	UNDIST	24			Drill to 55' Gray wash Smooth, fast drilling Take UD-1 with Shelby Tube from 55' to 57'
		Gray silty CLAY, trace shell [OH] (Class 6)	15	SS	24	WOH WOH 2 2	2	SS 55' to 57'
		Gray silty CLAY, trace shell [OH] (Class 6)	16	SS	24	WOH WOH WOH 4	0	Drill to 60' Gray wash Smooth, fast drilling SS 60' to 62'
			3	UNDIST	16			Drill to 65' Gray wash Smooth, fast drilling Take UD-3 with Shelby Tube from 65' to 67'
-61.8	Class 3b	**BC: Class 3b** Gray m-f clayey SAND, trace silt (wet) [SC] (Class 3b)	17	SS	24	6 11 15 19	26	Push 20" until hit a harder material Drill to 67' Gray wash Smooth, fast drilling SS 67' to 69'
-63.8	Class 1a	**BC: Class 1a**	1					Hit rock at 69' Start coring at 1:15 p.m.

Depth Scale: 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

N-Value scale: 10 20 30 40

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Log of Boring **B-10(OW)** Sheet 4 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 5.23 BPMD

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Class 1a	Gray and white, slightly weathered GRANITE (Class 1a)	70 71 72 73	1	NX CORE BARREL	REC=''/60'' =%	RQD=58''/60'' =97%		
	-68.8		End of Boring at 74'	74						Done coring at 1:42 p.m. Install GW well in B-10(OW) to a depth of 12'
				75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95						

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Log of Boring **B-11** Sheet 1 of 4

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 4.73 BPMD
Drilling Company: Warren George, Inc.	Date Started: 5/23/12 — Date Finished: 5/24/12
Drilling Equipment: DK-525 Track-Mounted Rig	Completion Depth: 85 ft — Rock Depth: 80 ft
Size and Type of Bit: 2 7/8" Tri-Cone Roller Bit/ 3" Thin-Wall Core	Number of Samples: Disturbed 19, Undisturbed 3, Core 1
Casing Diameter (in): 4" — Casing Depth (ft): 19'	Water Level (ft.): First ▽ 8', Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	Drilling Foreman: Jim Wilson
Sampler: 2" Standard Split Spoon/ 2" NX Core Barrel	Inspecting Engineer: Corrie Campbell
Sampler Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+4.7								Drill through approx. 8" concrete slab
+4.1		Approx. 8" concrete slab						
		BC: Class 7						SS 1' to 3'
		Dark brown m-f SAND, some c-f gravel, some silt, trace brick, trace concrete [SP] (Class 7)	1	SS	8	10 8 9 8	17	
								SS 3' to 5' Drill to 5'
		Dark brown m-f SAND, some c-f gravel, some silt, trace brick [SP] (Class 7)	2	SS	10	4 5 6 7	11	
								Add more water to tub SS 5' to 7'
		Mottled silty f. SAND, trace gravel, trace brick [SM] (Class 7)	3	SS	14	2 5 5 4	10	
								Drill to 7' Brown wash SS 7' to 9' Install casing from 0' to 9'
		Dark brown m-f silty SAND, trace c-f gravel, trace brick [SM] (Class 7)	4	SS	9	9 6 6 3	12	
								Drilled to 9'. SS 9' to 11'
	Class 7	Dark brown m-f silty SAND and black PEAT [SM] (Class 7)	5	SS	10	13 8 8 5	16	
								SS 11' to 13'
		Dark gray m-f silty SAND, some f gravel, trace brick [SM] (Class 7)	6	SS	4	3 1 1 2	2	
		Dark brown m-f SAND, trace f. gravel, trace silt, trace mica [SP] (Class 7)	7	SS	9	2 30 36 35	66	Drilled to 15'. Brown wash, smooth drilling SS 15' to 17'

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

N-Value scale: 10 20 30 40

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Log of Boring **B-11** Sheet 2 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.73 BPMD

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Class 7	Brown m-f SAND, trace f. gravel, some silt, trace mica [SP] (Class 7)	20–22	8	SS	10	7, 12, 8, 14	20	Drilled to 20'. Brown wash, smooth drilling Rig chatter from 19' to 20' SS 20' to 22'
	-20.3	Class 6	**BC: Class 6**	25–26	9	SS	20	4, 2, 3, 4	5	Drilled to 25'. Brown to black wash Loose water from 21' to 25' Rig chatter from 21' to 23' SS 25' to 27'
			Black organic silty CLAY [OH] (Class 6)	26–27						
				27–28	1	UNDIST	24			Install casing from 19' to 26' Drill to 27' Smooth drilling, gray wash Take UD-1 with Shelby Tube from 27' to 29'
			Black organic silty CLAY [OH] (Class 6)	29–30	10	SS	24	1, 1, 1, 1	2	SS 29' to 31'
				35–36	2	UNDIST	18			Drilled to 35'. Gray wash, smooth drilling UD-2 with Shelby Tube from 35' to 37'
			Gray organic silty CLAY, trace shells [OH] (Class 6)	37–38	11	SS	24	1, 1, 1, 3	2	SS 37' to 39'
				40–41	3	UNDIST	24			Drilled to 40'. Gray wash, smooth drilling UD-3 with Shelby Tube from 40' to 42'
			Gray organic silty CLAY, trace sand [OH] (Class 6)	42–43	12	SS	24	WOH, WOH, 6, 5	6	

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Log of Boring **B-11** Sheet 3 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.73 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6	Gray organic silty CLAY, trace sand [OH] (Class 6)	13	SS	22	WOH WOH WOH WOH	0	Drilled to 45'. Gray wash, smooth drilling SS 45' to 47'
	Class 6	Gray organic silty CLAY, trace sand [OH] (Class 6)	14	SS	22	WOH WOH WOH WOH	0	Drilled to 50'. Gray wash, smooth drilling SS 50' to 55'
	Class 6	Gray organic silty CLAY, trace sand, trace shells [OH] (Class 6)	15	SS	24	WOH WOH WOH 3	0	Drilled to 55'. Gray wash, smooth drilling SS 55' to 57'
-53.8	Class 3b	**BC: Class 3b**						
	Class 3b	Brown m-f silty SAND [SM] (Class 3b)	16	SS	24	5 8 11 13	19	Drilled to 60'. Gray wash, smooth drilling SS 60' to 62'
	Class 3b	Brown sandy SILT [ML] (Class 5b)	17	SS	24	4 5 6 8	11	Drilled to 65'. Gray wash, smooth drilling SS 65' to 67'

Depth Scale: 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

N-Value scale: 10 20 30 40

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Log of Boring **B-11** Sheet 4 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.73 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 3b	Brown m-f SAND, some silt [SP] (Class 3b)	70–72	18	SS	24	4, 5, 6, 8	11	Drilled to 70'. Brown wash, smooth drilling SS 70' to 72'
	Class 3b	Brown m-f silty SAND [SM] (Class 3b)	75–77	19	SS	24	7, 14, 15, 11	29	Drilled to 75'. Brown wash, smooth drilling SS 75' to 77'
-74.3	Class 1b	**BC: Class 1b**	79						
	Class 1b	Gray MICA SCHIST with slightly weathered fractures (Class 1b)	80–85	1	NX CORE BARREL	REC=''/60'' =%	RQD=49''/60'' =82%		Drilled to 80'. Brown wash, smooth drilling Rig chatter from 79' to 80' Slow drilling Hit rock at 80'
-80.3		End of boring at 85'	85						End of boring at 85'

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WELL CONSTRUCTION SUMMARY

Well No. B-1

PROJECT: W 19th Street & 11th Avenue	PROJECT NO.: 5659901
LOCATION: New York, NY	ELEVATION AND DATUM:
DRILLING AGENCY: Aquifer Drilling & Testing	DATE STARTED: 10/28/2005 — DATE FINISHED: 10/28/2005
DRILLING EQUIPMENT: CME 75 Truck Mounted Rig	DRILLER: Ed Burner
SIZE AND TYPE OF BIT: 3 7/8" Tri-Cone Roller Bit	INSPECTOR: Al Bonura

METHOD OF INSTALLATION

The hole is backfilled to 25 feet bgs with drill cuttings. The 5-foot long PVC pipe with 20-foot long screen is installed. Washed silica sand is placed around and 2 feet above the screen.
One foot thick bentonite seal is poured above the silica sand. The remaining is backfilled with drill cuttings and the hole is completed with flush mounted steel cover.

METHOD OF WELL DEVELOPMENT

TYPE OF CASING: Flush Jointed Steel Pipe	DIAMETER: 4"	TYPE OF BACKFILL MATERIAL: Drill Cuttings (Sand)
TYPE OF SCREEN: PVC	DIAMETER: 2"	TYPE OF SEAL MATERIAL: Bentonite Pellets
BOREHOLE DIAMETER: 3 7/8"		TYPE OF FILTER MATERIAL: Washed Silica Sand

	ELEVATION	DEPTH (ft)
TOP OF CASING		0
TOP OF SEAL		2
TOP OF FILTER		3
TOP OF SCREEN		5
BOTTOM OF BORING		102

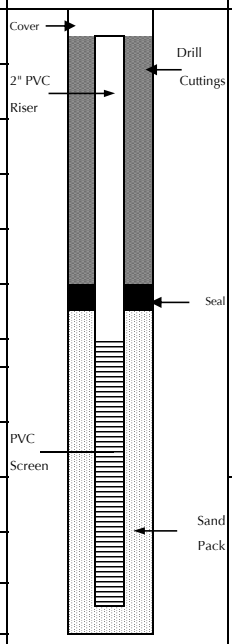
SCREEN LENGTH: 20 feet

SLOT SIZE: 0.02 inch

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
	11/3/2005	8.2'
	5/23/2012	7.6'
	5/29/2012	7.7'
	5/30/2012	7.7'
	5/31/2012	7.7'

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
FILL (11-65)	0.0 – 18.5
ORGANIC CLAY (11-65)	18.5 – 25.0

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21 Penn Plaza, 360 West 31st Street, Suite 800, New York, New York 10001

WELL CONSTRUCTION SUMMARY

Well No. B-10(OW)

PROJECT: 551 W. 21st Street	PROJECT NO.: 170193301
LOCATION: New York, NY	ELEVATION AND DATUM:
DRILLING AGENCY: Warren George, Inc.	DATE STARTED: 5/22/2012 DATE FINISHED: 5/22/2012
DRILLING EQUIPMENT: CME 75 Truck Mounted Rig	DRILLER: Jim Wilson
SIZE AND TYPE OF BIT: 3 7/8" Tri-Cone Roller Bit	INSPECTOR: Corrie Campbell

METHOD OF INSTALLATION

The hole is backfilled to 13 feet bgs with drill cuttings. The 2-foot long PVC pipe with 10-foot long screen is installed. Washed silica sand is placed around and 2 feet above the screen.
One foot thick bentonite seal is poured above the silica sand. The remaining is backfilled with drill cuttings and the hole is completed with flush mounted steel cover.

METHOD OF WELL DEVELOPMENT

TYPE OF CASING: Flush Jointed Steel Pipe	DIAMETER: 4"	TYPE OF BACKFILL MATERIAL: Drill Cuttings (Sand)
TYPE OF SCREEN: PVC	DIAMETER: 2"	TYPE OF SEAL MATERIAL: Bentonite Pellets
BOREHOLE DIAMETER: 3 7/8"		TYPE OF FILTER MATERIAL: Washed Silica Sand

	ELEVATION	DEPTH (ft)
TOP OF CASING		0
TOP OF SEAL		1
TOP OF FILTER		2
TOP OF SCREEN		2
BOTTOM OF BORING		74

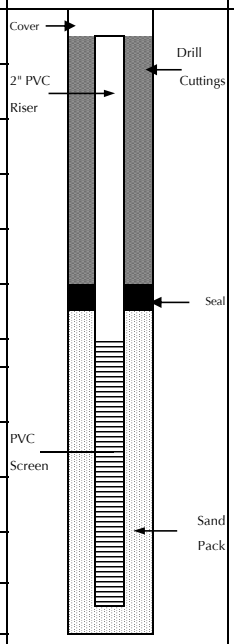
SCREEN LENGTH: 10 feet

SLOT SIZE: 0.02 inch

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
	5/23/2012	9.1'
	5/24/2012	8.0'
	5/25/2012	7.9'
	5/29/2012	7.8'
	5/30/2012	7.9'
	5/31/2012	7.9'

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.0
	1.0
	2.0
FILL (CLASS 7)	
	12.0

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WELL CONSTRUCTION SUMMARY

Well No. B-5

PROJECT: W 19th Street & 11th Avenue	PROJECT NO.: 5659901
LOCATION: New York, NY	ELEVATION AND DATUM:
DRILLING AGENCY: Aquifer Drilling & Testing	DATE STARTED: 10/20/2005 DATE FINISHED: 10/20/2005
DRILLING EQUIPMENT: CME 75 Truck Mounted Rig	DRILLER: Ed Burner
SIZE AND TYPE OF BIT: 3 7/8" Tri-Cone Roller Bit	INSPECTOR: Cem Altuntas

METHOD OF INSTALLATION

The hole is backfilled to 25 feet bgs with drill cuttings. The 5-foot long PVC pipe with 20-foot long screen is installed. Washed silica sand is placed around and 2 feet above the screen.
One foot thick bentonite seal is poured above the silica sand. The remaining is backfilled with drill cuttings and the hole is completed with flush mounted steel cover.

METHOD OF WELL DEVELOPMENT

TYPE OF CASING: Flush Jointed Steel Pipe	DIAMETER: 4"	TYPE OF BACKFILL MATERIAL: Drill Cuttings (Sand)
TYPE OF SCREEN: PVC	DIAMETER: 2"	TYPE OF SEAL MATERIAL: Bentonite Pellets
BOREHOLE DIAMETER: 3 7/8"		TYPE OF FILTER MATERIAL: Washed Silica Sand

	ELEVATION	DEPTH (ft)
TOP OF CASING		0
TOP OF SEAL		2
TOP OF FILTER		3
TOP OF SCREEN		5
BOTTOM OF BORING		102

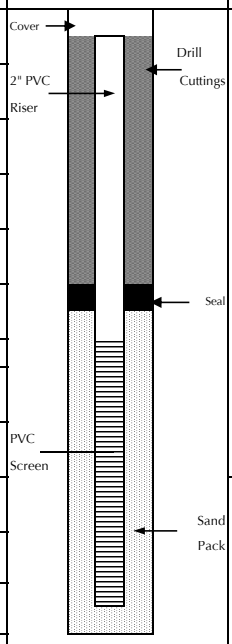
SCREEN LENGTH: 20 feet

SLOT SIZE: 0.02 inch

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
	11/3/2005	6.9'
	5/23/2012	8.0'
	5/29/2012	8.1'
	5/30/2012	8.1'
	5/31/201	8.0'

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
FILL (11-65)	0.0 – 13.0
ORGANIC CLAY (11-65)	13.0 – 25.0

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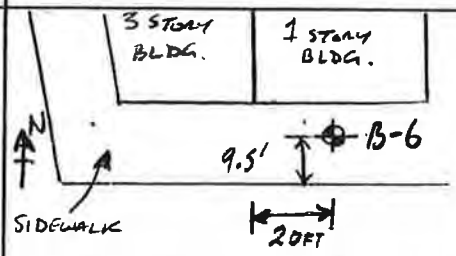
LOG OF BORING B-6 **SHEET** 1 **OF** 3

PROJECT	W 21ST STREET & 11TH AVENUE	PROJECT NO.	5659901
LOCATION	NEW YORK, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 11/02/05	DATE FINISHED 11/02/05
DRILLING EQUIPMENT	CME 75 TRUCK RIG	COMPLETION DEPTH 35'	ROCK DEPTH —
SIZE AND TYPE OF BIT	5" OD HS AUGER	NO. SAMPLES: DIST. —	UNDIST. — CORE —
CASING	N/A	WATER LEVEL: FIRST	COMPL. 24 HR.
CASING HAMMER: WEIGHT —	DROP —	FOREMAN	ED BURNER / SAM
SAMPLER	N/A	INSPECTOR	JAMIE RODGER.
SAMPLER HAMMER: WEIGHT —	DROP —		

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
CONCRETE SIDEWALK						
EASY DRILLING	1, 2, 3, 4, 5, 6, 7, 8					
MINOR OBSTRUCTION @ 9FT	9					
EASY DRILLING	10, 11, 12, 13, 14					



W 21ST STREET.

START 11/02/05 @ 11:45HRS.

ROLLER BIT THROUGH CONCRETE SIDEWALK.

BEGIN AUGERING AND OBSERVE CUTTINGS.

0'-5' BLACK, SAND, GRAVEL BRICK (FILL)
NO OBSTRUCTION
PETROLEUM ODOR.

5'-10'
MINOR OBSTRUCTION @ 9'
GRAY-BLACK M-F SAND, SILT. (FILL)
PETROLEUM ODOR.

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JOB NO. 5659901
DATE 11/02/05

LOG OF BORING NO. B-6

SHEET 2 OF 3

NYCDC	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
								HARD DRILLING AT 15'
			15					HARD DRILLING 15' TO 17'.
		HARD DRILLING 15FT TO 17FT	16					EASY DRILLING 17' TO 20'
			17					CONTINUE DRILLING 20' TO 25'
								SAND, GRAVEL, SILT, CLAY
			18					PETROLEUM ODOR.
								EASY DRILLING 20'-25'
			19					NO OBSTRUCTIONS ENCOUNTERED.
			20					CONTINUE DRILLING 25' TO 30'
			21					EASY DRILLING TO 30'
								NO OBSTRUCTIONS ENCOUNTERED.
			22					
		EASY DRILLING						CONTINUE DRILLING TO 35'
			23					NO OBSTRUCTIONS ENCOUNTERED
			24					DRILLING 30' TO 35'
			25					END OF BORING @ 35'
			26					
			27					
		EASY DRILLING	28					
			29					
			30					
			31					
			32					

086100

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JOB NO. 5659901

DATE 11/02/05.

LOG OF BORING NO. B-6

SHEET 3 OF 3

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	↑ EASY DRILLING ↓	33					
		34					
		35					
	E-O-B @ 35FT.	36					
		37					
		38					
		39					
		40					

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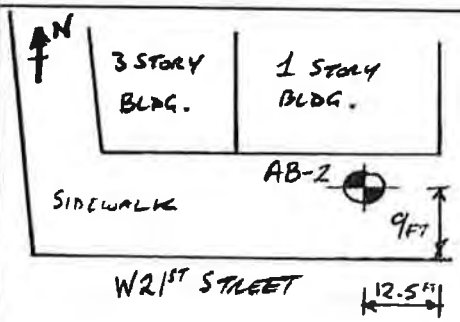
LOG OF BORING B-7 SHEET 1 OF 2

PROJECT	W21ST STREET & 11TH AVENUE	PROJECT NO.	5659901
LOCATION	NEW YORK, NY	ELEVATION AND DATUM	
DRILLING AGENCY	ADT	DATE STARTED 11/03/05	DATE FINISHED 11/03/05
DRILLING EQUIPMENT	CME 75 TRUCK MOUNT	COMPLETION DEPTH 32'	ROCK DEPTH —
SIZE AND TYPE OF BIT	5" OD HS AUGER	NO. SAMPLES: DIST. —	UNDIST. — CORE —
CASING	N/A	WATER LEVEL: FIRST —	COMPL. — 24 HR. —
CASING HAMMER: WEIGHT —	DROP —	FOREMAN	ED BURNER / JOHN
SAMPLER		INSPECTOR	JAMIE RODGER
SAMPLER HAMMER: WEIGHT —	DROP —		

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLW/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
CONCRETE SIDEWALK						
BRICK/COBBLE OBSTRUCTION	1					
	2					
	3					
	4					
EASY DRILLING	5					
	6					
	7					
	8					
	9					
	10					
	11					
	12					
	13					
	14					



START AB-2 @ 07:55HRS

ROLLER BIT THROUGH CONCRETE SIDE WALK.

BEGIN AUGERING AND OBSERVE CUTTINGS/RIG ACTION.

0'-5'

OBSTRUCTION @ 2.5'
BRICK & ROCK FRAGMENTS IN CUTTINGS.

EASY DRILLING 3' TO 5'

5'-10'

EASY DRILLING. NO OBSTRUCTIONS

BLACK SILTY CLAY - FILL
PETROLEUM ODOR.

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JOB NO. 5659901

DATE 11/03/05

LOG OF BORING NO. B-7

SHEET 2 OF 2

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
						AUGER 15'- 20'
	15					CHATTER FROM RIG @ 15' TO 17' GRAVEL IN CUTTINGS.
CHATTER FROM RIG 15' TO 17' (GRAVEL)	16					
	17					
	18					
	19					
	20					AUGER 20' - 25'
	21					EASY DRILLING
						NO OBSTRUCTIONS
	22					
EASY DRILLING	23					AUGER 25' TO 32'
	24					EASY DRILLING
						NO OBSTRUCTIONS
	25					STOP DRILLING @ 10:15 HRS.
	26					
	27					
	28					
EASY DRILLING	29					
	30					
	31					
E.O.B @ 32'	32					

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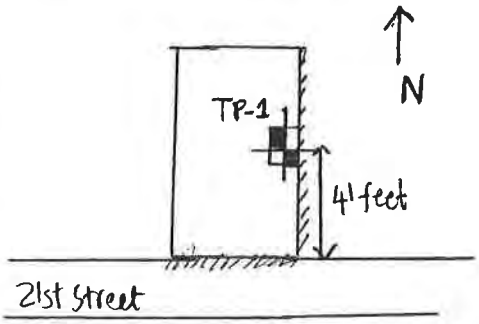
LOG OF TEST PIT TP-1 SHEET 1 OF 1

PROJECT 21st Street and Eleventh Avenue	PROJECT NO. 5659901
LOCATION Manhattan, New York	ELEVATION AND DATUM —
EXCAVATION CONTRACTOR Aquifer Drilling and Testing, Inc.	DATE November 17, 2005 / COMPLETION DEPT 6'-11"
EXCAVATION EQUIPMENT Hand excavation	OBSERVED WATER LEVEL DATA Not Observed

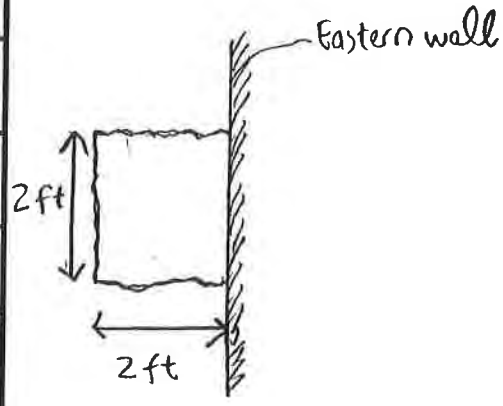
ELEV	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC	SAMPLES TYPE	REMARKS
	6-inch thick reinforced concrete slab				
	Red brick foundation wall				
	Brown; fine to coarse grained SAND with some gravel; red brick fragments; FILL				
	Bottom of test pit at 6'-11" below the grade				
	- No water was observed				

DEPTH SCALE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17

Test Pit Location Plan



Test Pit Plan



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LOG OF TEST PIT TP-2 SHEET 1 OF 1

PROJECT 21st Street & Eleventh Avenue	PROJECT NO. 5659901
LOCATION Manhattan, New York	ELEVATION AND DATUM –
EXCAVATION CONTRACTOR Aquifer Drilling and Testing	DATE November 18, 05 / COMPLETION DEPT 4'-10"
EXCAVATION EQUIPMENT Hand excavation	OBSERVED WATER LEVEL DATA Not Observed

ELEV	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC	SAMPLES TYPE	REMARKS
	6-inch thick reinforced concrete slab; Red brick foundation wall; Brown: fine to coarse grained SAND with some gravel, red brick fragments; FILL; 1'-3"; 5"; Concrete foundation; Bottom of test pit at 4'-10"; – No water was observed	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17			

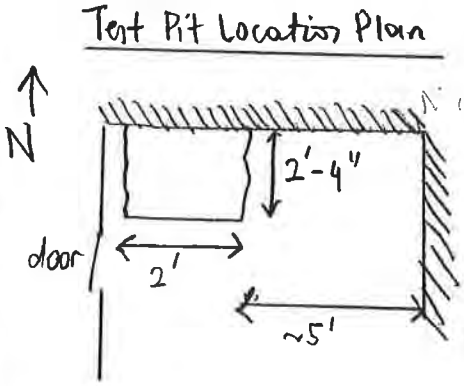


Photo 1. Test pit TP-1, facing east

Photo 2. Test pit TP-1 upon completion, facing east

Photo 3. Test pit TP-2, facing north

Photo 4. Test pit TP-2 upon completion, facing north

APPENDIX C

LABORATORY TEST RESULTS

GeoTesting EXPRESS

Client:	Langan Engineering				
Project:	551 W. 21st Street				
Location:	Manhattan, NY			Project No:	GTX-11889
Boring ID: ---		Sample Type: ---		Tested By:	jek
Sample ID:---		Test Date:	06/19/12	Checked By:	jdt
Depth : ---		Sample Id: ---			

Moisture Content of Soil - ASTM D 2216-05

Boring ID	Sample ID	Depth	Description	Moisture Content,%
B-10 (OW)	UD-1	47-49 ft.	Moist, dark olive gray clay	48.1
B-10 (OW)	UD-2	55-57 ft.	Moist, dark olive gray clay	35.6
B-10 (OW)	UD-3	65-67 ft.	Moist, dark grayish brown clay	49.6
B-10	S-17	67-69 ft.	Moist, brown silty sand	19.3
B-11	UD-1	27-29 ft.	Moist, very dark grayish brown clay	66.6
B-11	UD-2	35-37 ft.	Moist, very dark gray clay	51.9
B-11	UD-3	40-42 ft.	Moist, gray clay	50.8
B-11	S-17	65-67 ft.	Moist, brown silt with sand	23.8

Notes: Temperature of Drying : 110° Celsius

GeoTesting EXPRESS

Client:	Langan Engineering				
Project:	551 W. 21st Street				
Location:	Manhattan, NY			Project No:	GTX-11889
Boring ID: ---		Sample Type: ---		Tested By:	jek
Sample ID:---		Test Date:	06/11/12	Checked By:	jdt
Depth : ---		Test Id:	238720		

Moisture, Ash, and Organic Matter - ASTM D 2974

Boring ID	Sample ID	Depth	Description	Moisture Content,%	Ash Content,%	Organic Matter,%
B-10 (OW)	UD-1	47-49 ft.	Moist, dark olive gray clay	48	98.2	1.8
B-11	UD-1	27-29 ft.	Moist, very dark grayish brown clay	69	96.2	3.8

Notes: Moisture content determined by Method A and reported as a percentage of oven-dried mass; dried to a constant mass at temperature of 110° C
Ash content and organic matter determined by Method C; dried to constant mass at temperature 440° C

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: ---	Sample Type: ---	Tested By:	jbr
Sample ID:---	Test Date: 06/13/12	Checked By:	jdt
Depth : ---	Test Id: 239354		

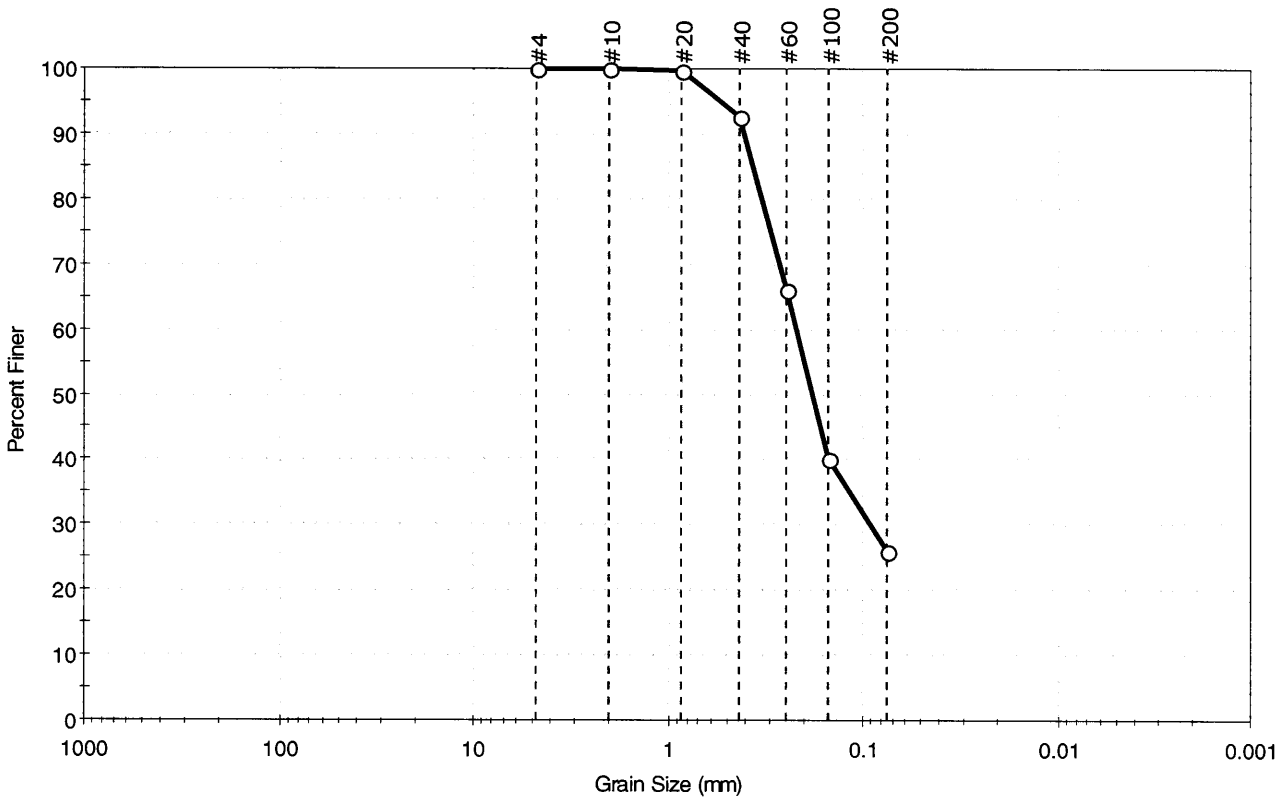
Percent Passing #200 Sieve - ASTM D 1140-00

Boring ID	Sample ID	Depth	Visual Description	Fines, %
B-8	S-4	7-9 ft.	Moist, dark gray silty sand with gravel	17.2
B-8	S-6	11-13 ft.	Moist, dark grayish brown silty sand	23.8
B-8	S-16	55-57 ft.	Moist, dark gray silty sand	38.3
B-11	S-6	11-13 ft.	Moist, dark grayish brown silty sand	30
B-11	S-19	75-77 ft.	Moist, reddish brown sandy silt	52.1

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-10	Sample Type: jar	Tested By:	jbr
Sample ID:S-17	Test Date: 06/14/12	Checked By:	jdt
Depth : 67-69 ft.	Test Id: 239346		
Test Comment:	---		
Sample Description:	Moist, brown silty sand		
Sample Comment:	---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	74.1	25.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.42	93		
#60	0.25	66		
#100	0.15	40		
#200	0.075	26		

Coefficients

D_{85} = 0.3653 mm D_{30} = 0.0915 mm
D_{60} = 0.2217 mm D_{15} = N/A
D_{50} = 0.1820 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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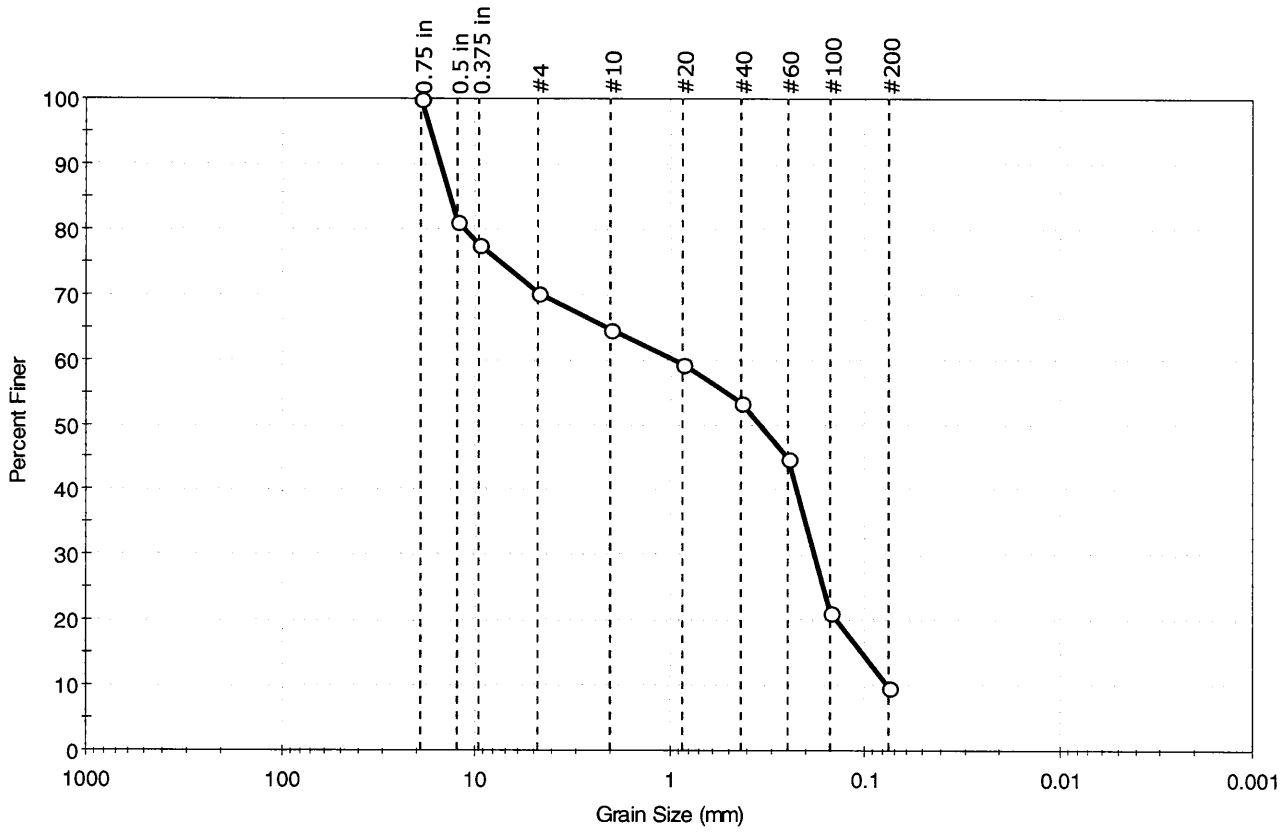
GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-11	Sample Type: jar	Tested By:	jbr
Sample ID:S-8	Test Date: 06/13/12	Checked By:	jdt
Depth : 20-22 ft.	Test Id: 239345		

Test Comment: ---
Sample Description: Moist, very dark grayish brown sand with silt and gravel
Sample Comment: ---

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	29.9	60.3	9.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	81		
0.375 in	9.50	78		
#4	4.75	70		
#10	2.00	65		
#20	0.85	59		
#40	0.42	53		
#60	0.25	45		
#100	0.15	21		
#200	0.075	10		

Coefficients

D_{85} = 13.6432 mm D_{30} = 0.1816 mm
D_{60} = 0.9369 mm D_{15} = 0.1031 mm
D_{50} = 0.3458 mm D_{10} = 0.0758 mm
C_u = 12.360 C_c = 0.464

Classification

ASTM N/A

AASHTO Fine Sand (A-3 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD

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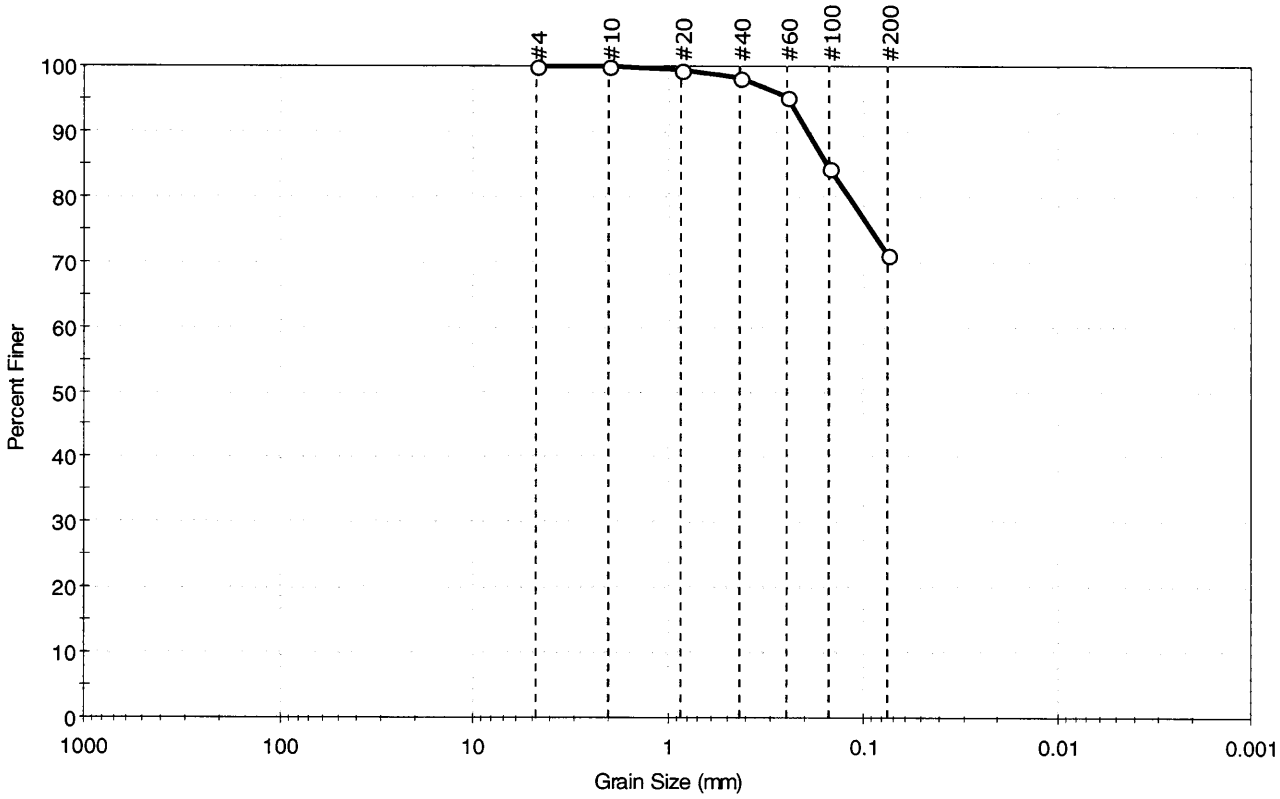
GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-11	Sample Type: jar	Tested By:	jbr
Sample ID:S-17	Test Date: 06/14/12	Checked By:	jdt
Depth : 65-67 ft.	Test Id: 239347		
Test Comment:	---		
Sample Description:	Moist, brown silt with sand		
Sample Comment:	---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	0.0	28.8	71.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	99		
#40	0.42	98		
#60	0.25	95		
#100	0.15	84		
#200	0.075	71		

Coefficients

D_{85} = 0.1537 mm D_{30} = N/A
D_{60} = N/A D_{15} = N/A
D_{50} = N/A D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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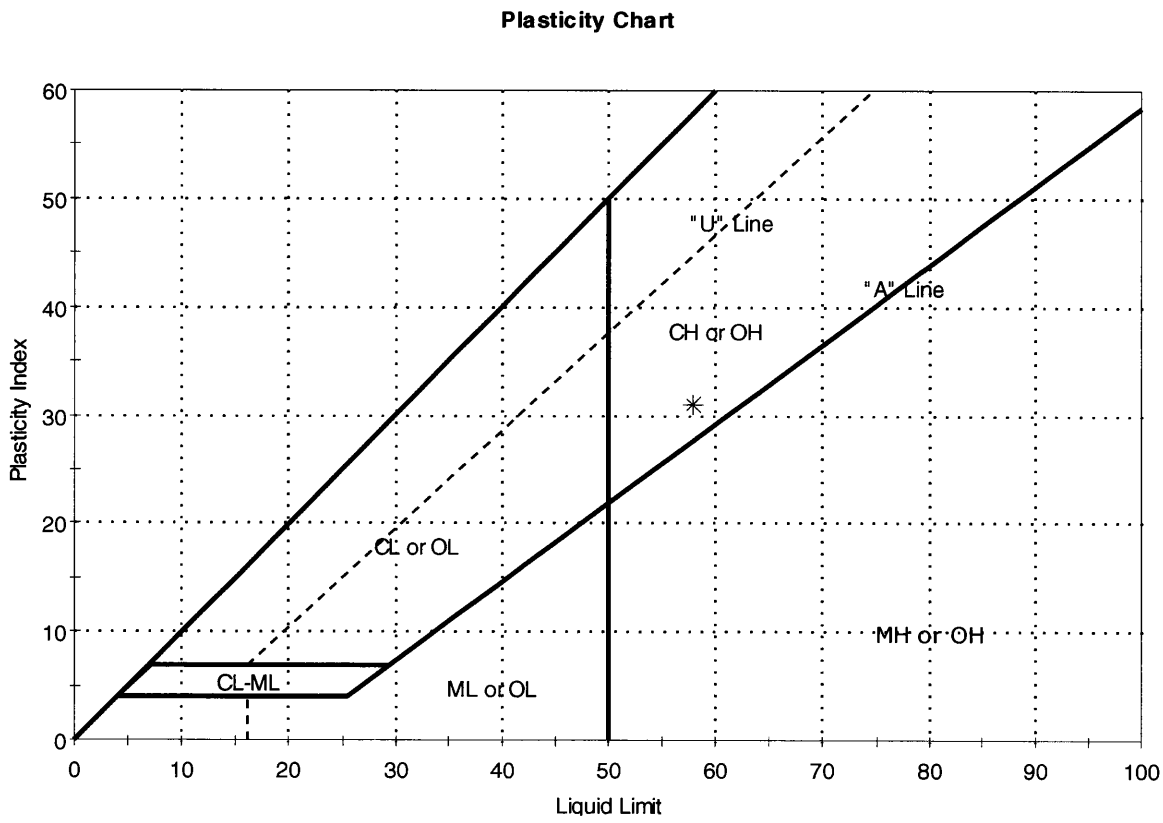
GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-10 (OW)	Sample Type: tube	Tested By:	cam
Sample ID:UD-1	Test Date: 06/11/12	Checked By:	jdt
Depth : 47-49 ft.	Test Id: 238701		
Test Comment:	---		
Sample Description:	Moist, dark olive gray clay		
Sample Comment:	---		

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
✳	UD-1	B-10 (OW)	47-49 ft.	48	58	27	31	1	

Sample Prepared using the WET method

Dry Strength: VERY HIGH

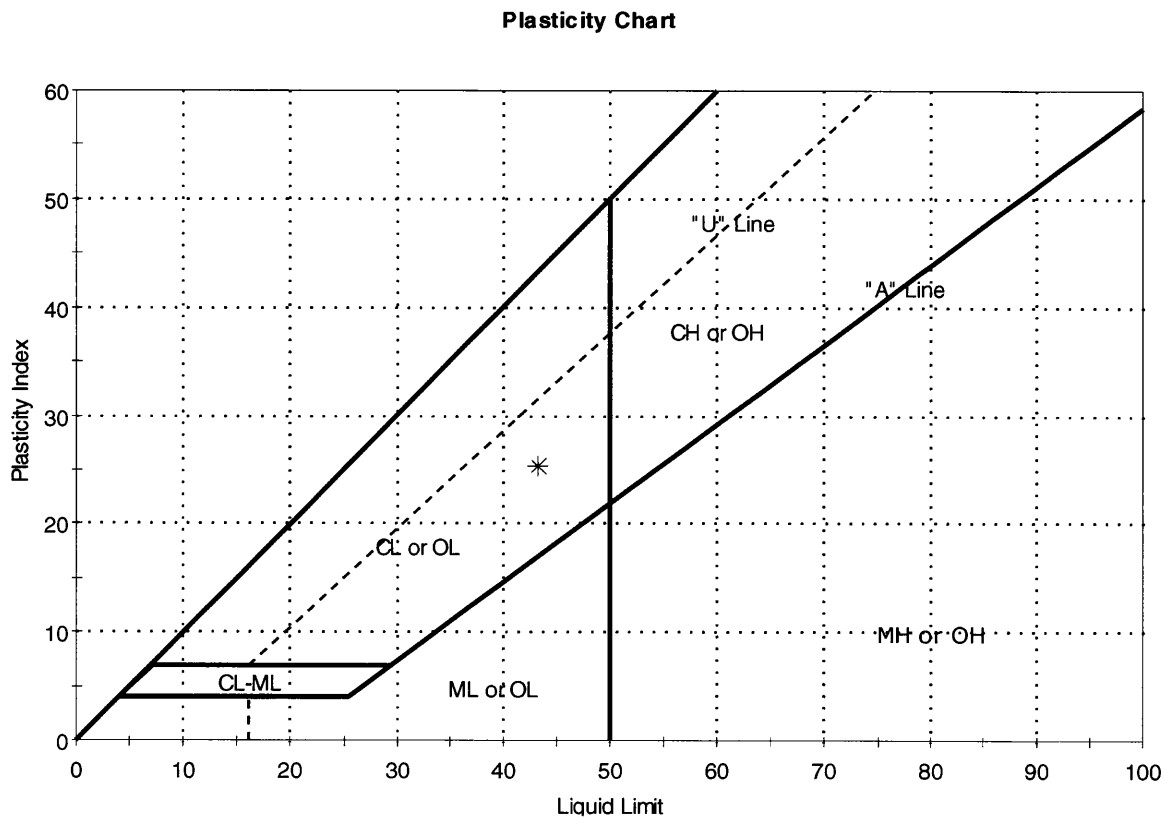
Dilentancy: SLOW

Toughness: LOW

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-10 (OW)	Sample Type: tube	Tested By:	cam
Sample ID:UD-2	Test Date: 06/11/12	Checked By:	jdt
Depth : 55-57 ft.	Test Id: 238702		
Test Comment:	---		
Sample Description:	Moist, dark olive gray clay		
Sample Comment:	---		

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
✳	UD-2	B-10 (OW)	55-57 ft.	36	43	18	25	1	

Sample Prepared using the WET method

Dry Strength: HIGH

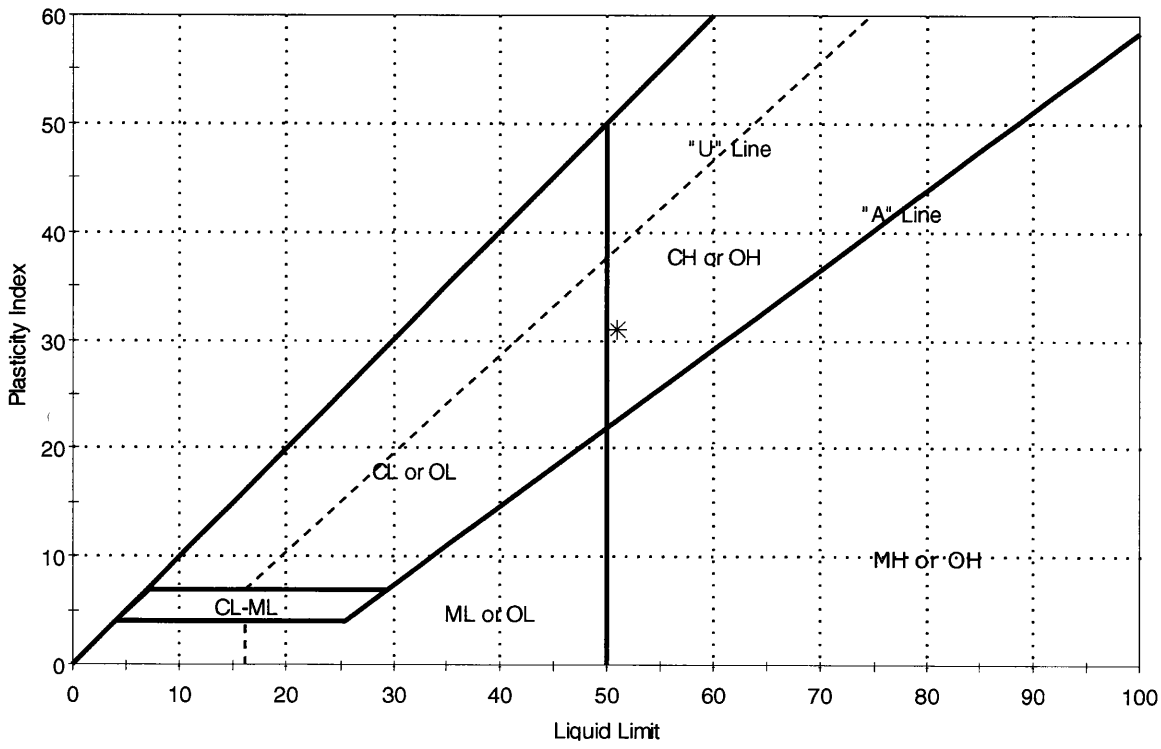
Dilentancy: SLOW

Toughness: LOW

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-10 (OW)	Sample Type: tube	Tested By:	cam
Sample ID:UD-3	Test Date: 06/11/12	Checked By:	jdt
Depth : 65-67 ft.	Test Id: 238703		
Test Comment:	---		
Sample Description:	Moist, dark grayish brown clay		
Sample Comment:	---		

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	UD-3	B-10 (OW)	65-67 ft.	50	51	20	31	1	

Sample Prepared using the WET method

Dry Strength: VERY HIGH

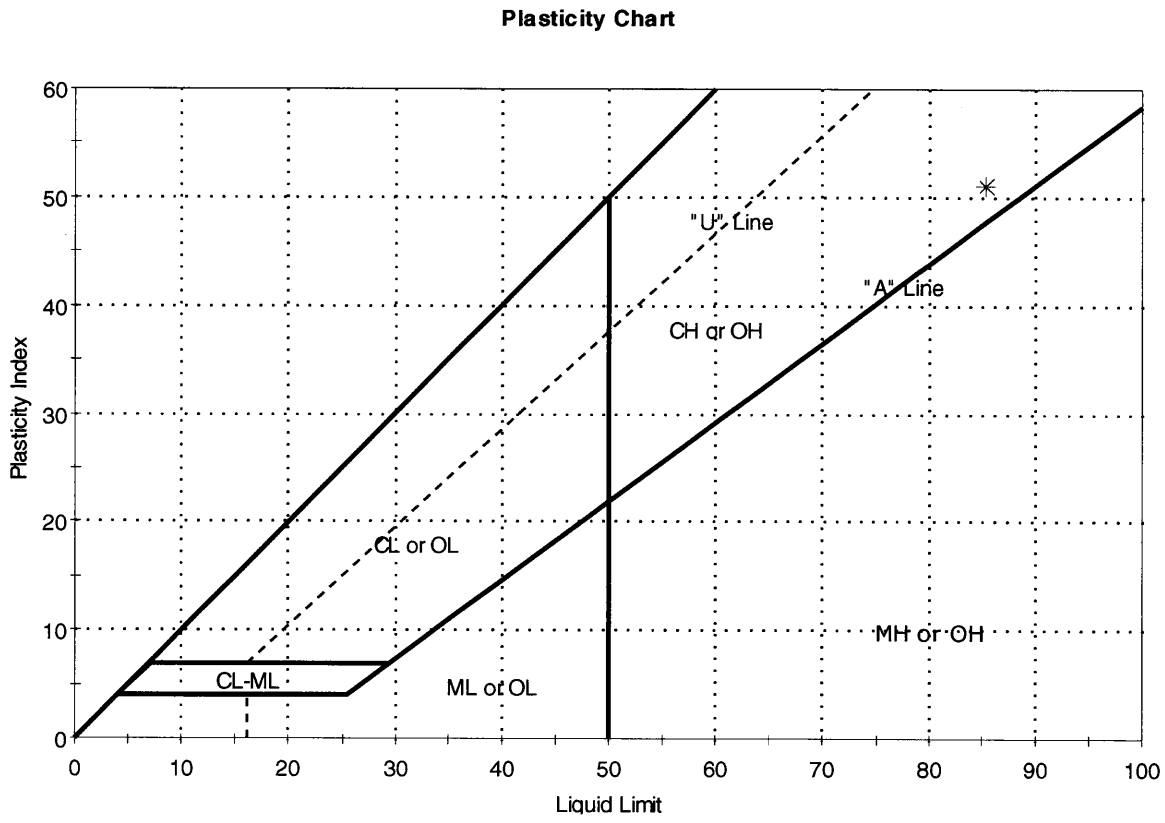
Dilentancy: SLOW

Toughness: LOW

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-11	Sample Type: tube	Tested By:	cam
Sample ID:UD-1	Test Date: 06/11/12	Checked By:	jdt
Depth : 27-29 ft.	Test Id: 238704		
Test Comment:	---		
Sample Description:	Moist, very dark grayish brown clay		
Sample Comment:	---		

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
✳	UD-1	B-11	27-29 ft.	67	86	34	52	1	

Sample Prepared using the WET method

Dry Strength: VERY HIGH

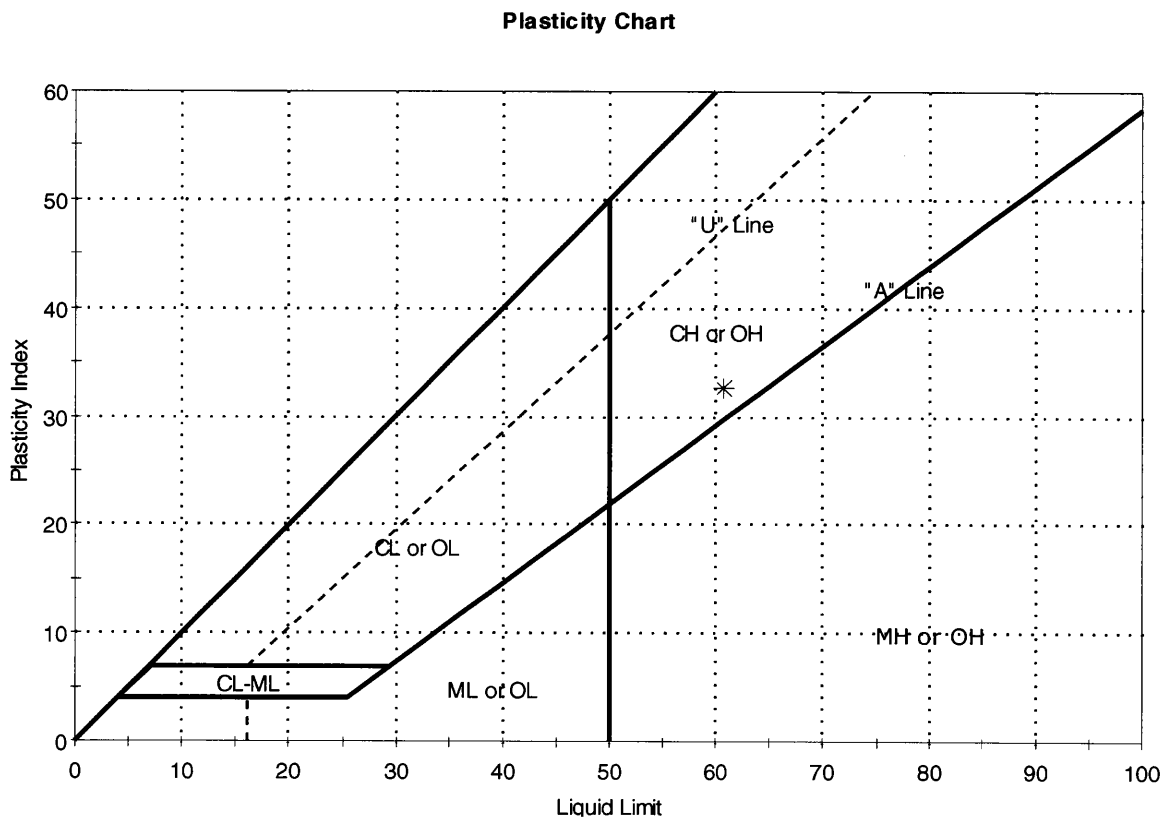
Dilentancy: SLOW

Toughness: LOW

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-11	Sample Type: tube	Tested By:	cam
Sample ID:UD-2	Test Date: 06/11/12	Checked By:	jdt
Depth : 35-37 ft.	Test Id: 238705		
Test Comment:	---		
Sample Description:	Moist, very dark gray clay		
Sample Comment:	---		

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
✳	UD-2	B-11	35-37 ft.	52	61	28	33	1	

Sample Prepared using the WET method

Dry Strength: VERY HIGH

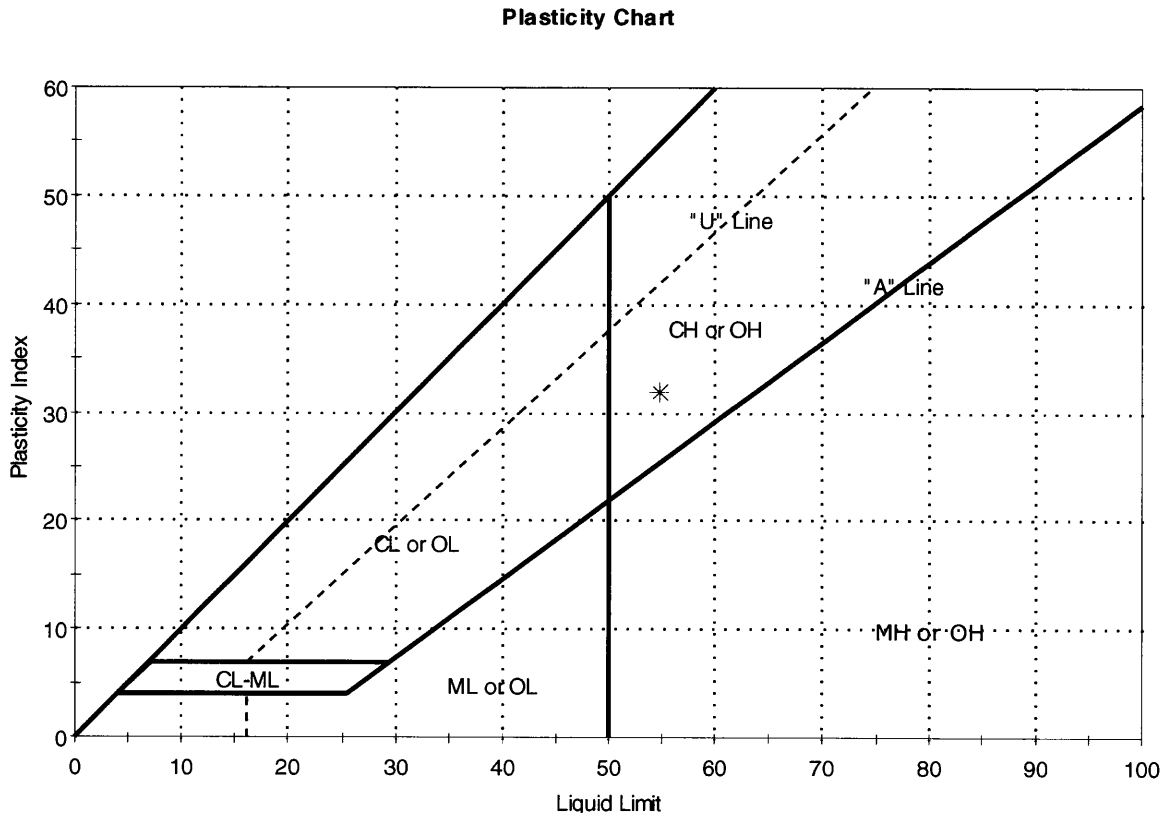
Dilentancy: SLOW

Toughness: LOW

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-11	Sample Type: tube	Tested By:	cam
Sample ID:UD-3	Test Date: 06/11/12	Checked By:	jdt
Depth : 40-42 ft.	Test Id: 238706		
Test Comment:	---		
Sample Description:	Moist, gray clay		
Sample Comment:	---		

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
✳	UD-3	B-11	40-42 ft.	51	55	23	32	1	

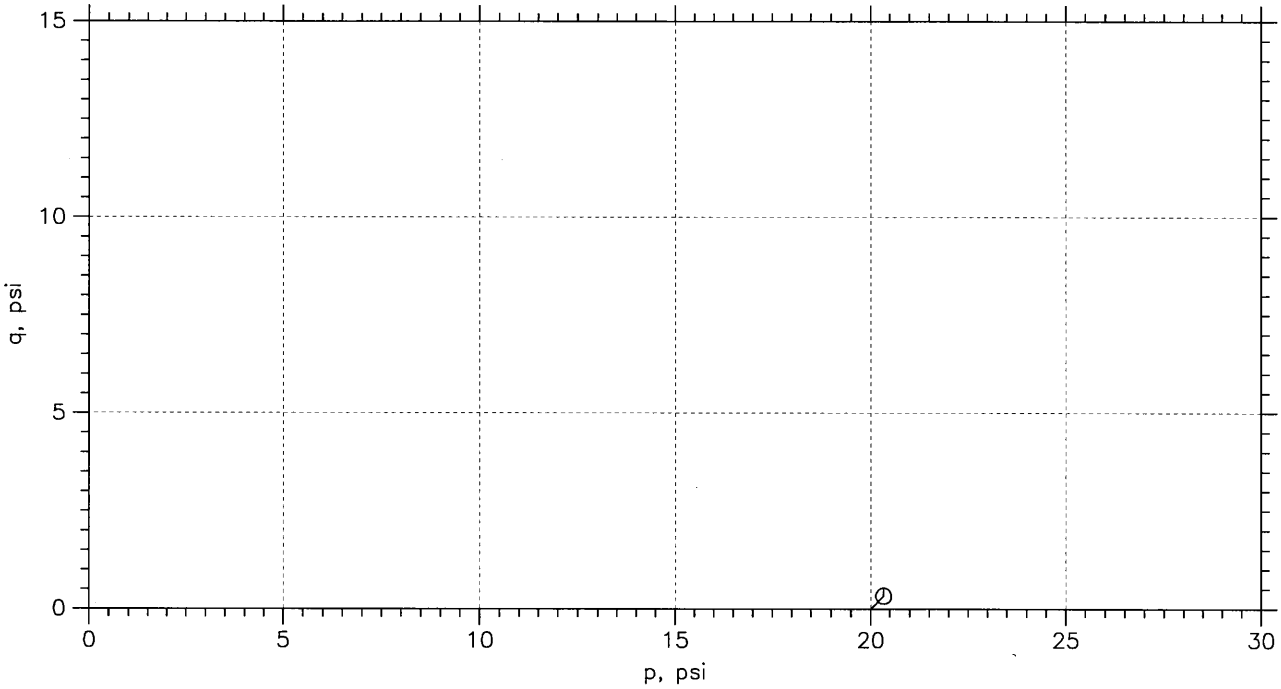
Sample Prepared using the WET method

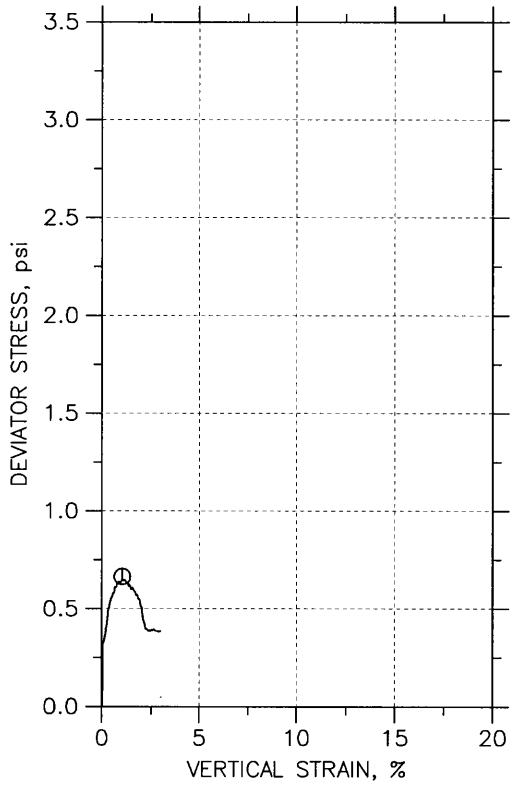
Dry Strength: HIGH

Dilentancy: SLOW

Toughness: LOW

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850





Symbol	⦶			
Sample No.	UD-3			
Test No.	UU-2			
Depth	65-67 ft			
Tested by	md			
Test Date	6/12/12			
Checked by	jdt			
Check Date	06/19/12			
Diameter, in	2.88			
Height, in	6.15			
Water Content, %	54.6			
Dry Density, pcf	62.96			
Saturation, %	87.0			
Void Ratio	1.73			
Confining Stress, psi	20			
Undrained Strength, psi	0.3331			
Max. Dev. Stress, psi	0.6663			
Strain at Failure, %	1.03			
Strain Rate, %/min	1			
Estimated Specific Gravity	2.75			
Liquid Limit	51			
Plastic Limit	20			
Plasticity Index	31			

GeoTesting EXPRESS

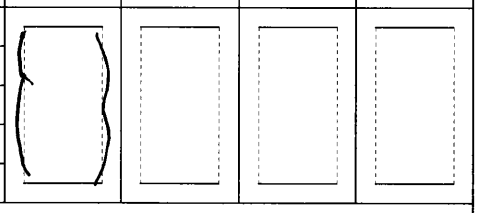
Project: 551 W. 21st Street

Location: Manhatten, NY

Project No.: GTX-11889

Boring No.: B-10 (OW)

Sample Type: intact



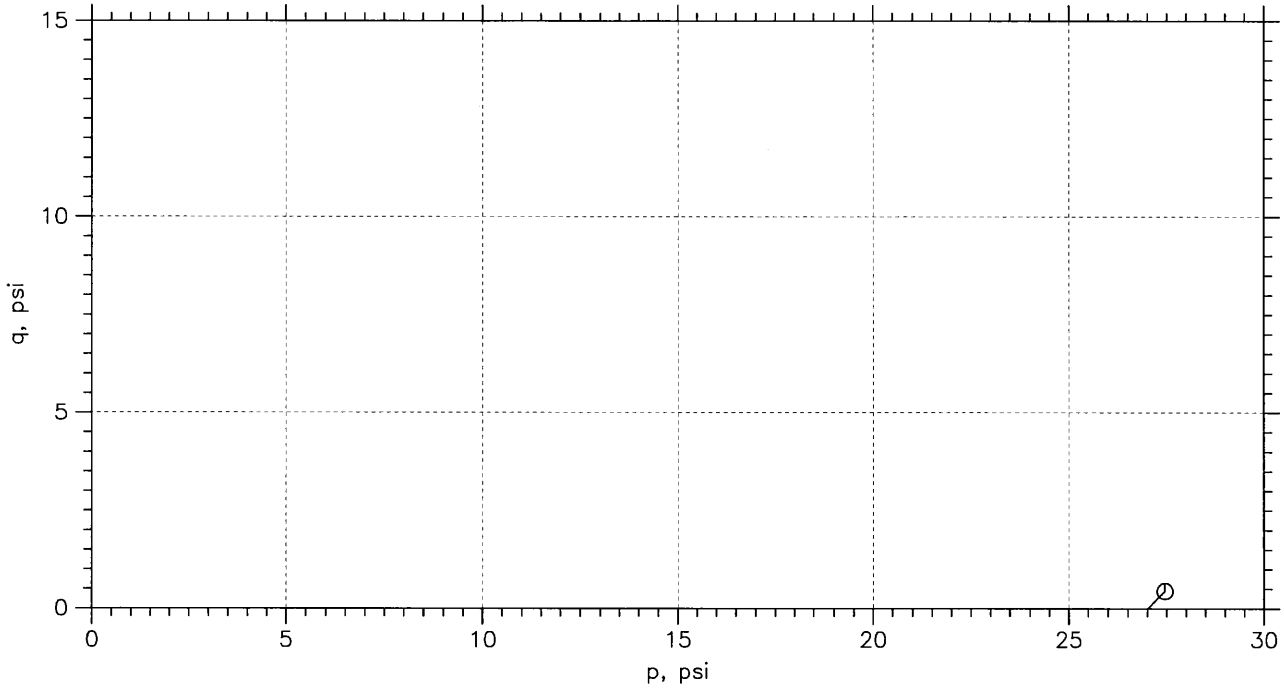
Description: Moist, dark grayish brown clay

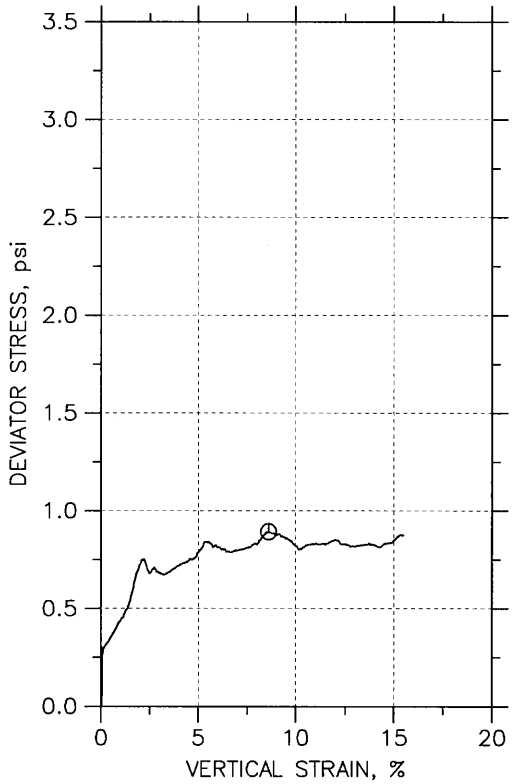
Remarks: System W

Phase calculations based on start and end of test.

Tue, 19-JUN-2012 09:52:13

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850





Symbol	⦶			
Sample No.	UD-3			
Test No.	UU-1			
Depth	65-67 ft			
Tested by	md			
Test Date	6/12/12			
Checked by	jdt			
Check Date	06/19/12			
Diameter, in	2.87			
Height, in	6.1			
Water Content, %	45.4			
Dry Density, pcf	76.36			
Saturation, %	100.0			
Void Ratio	1.25			
Confining Stress, psi	27			
Undrained Strength, psi	0.4472			
Max. Dev. Stress, psi	0.8944			
Strain at Failure, %	8.58			
Strain Rate, %/min	1			
Estimated Specific Gravity	2.75			
Liquid Limit	51			
Plastic Limit	20			
Plasticity Index	31			

GeoTesting EXPRESS

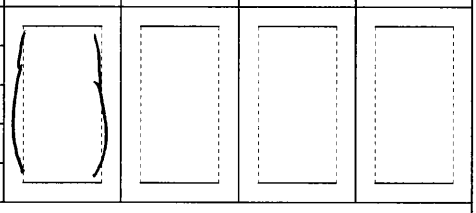
Project: 551 W. 21st Street

Location: Manhatten, NY

Project No.: GTX-11889

Boring No.: B-10 (OW)

Sample Type: intact



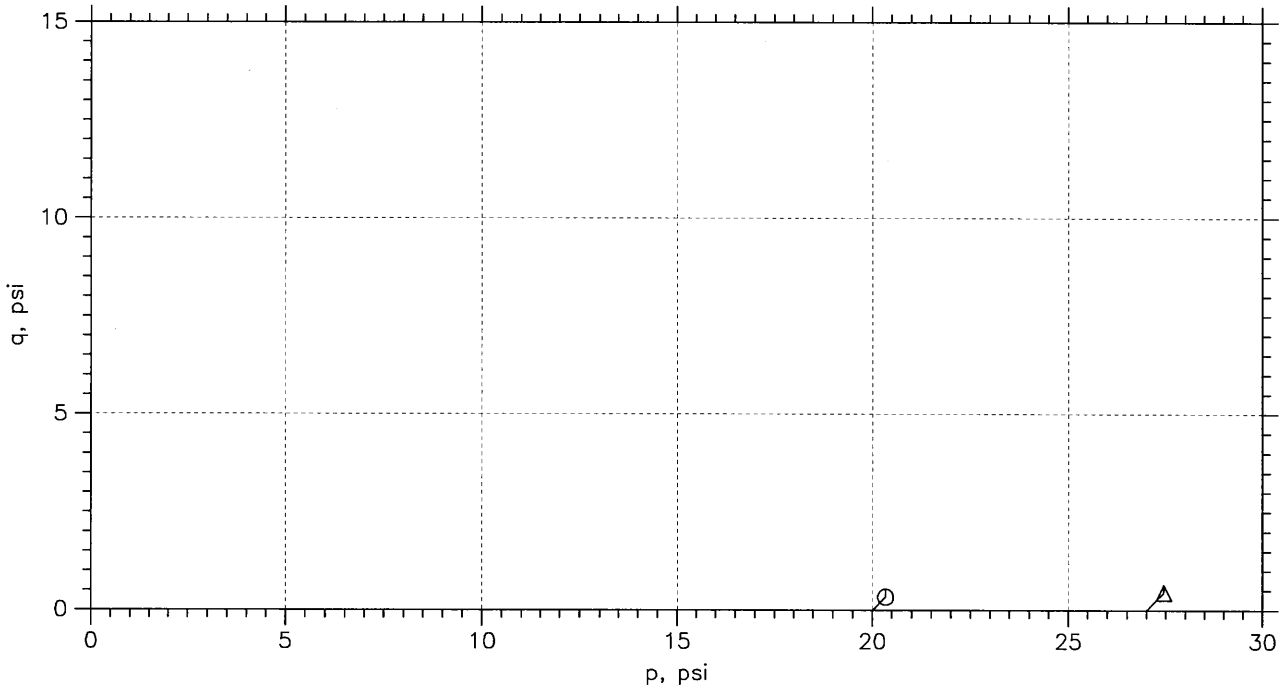
Description: Moist, dark grayish brown clay

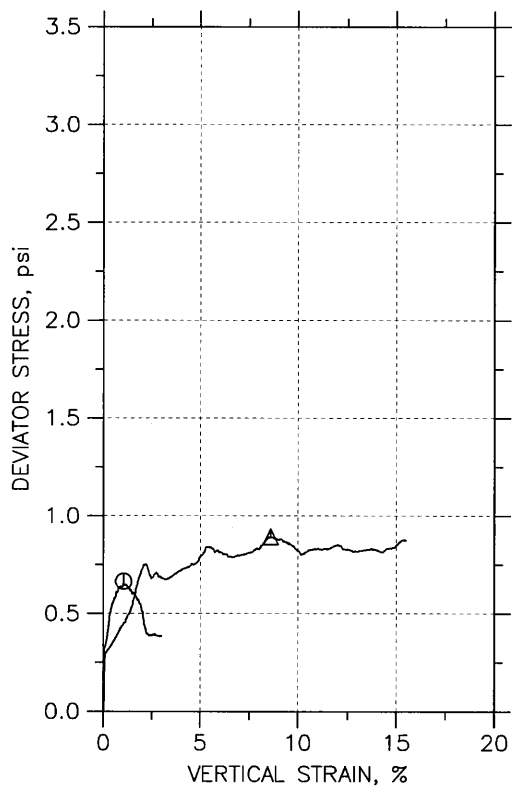
Remarks: System W

Phase calculations based on start and end of test.

Tue, 19-JUN-2012 09:51:44

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850

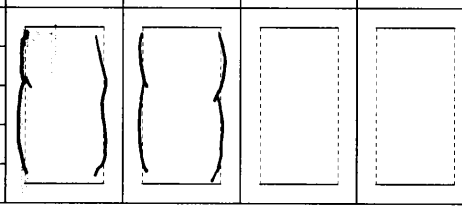




Symbol	⦶	△		
Sample No.	UD-3	UD-3		
Test No.	UU-2	UU-1		
Depth	65-67 ft	65-67 ft		
Tested by	md	md		
Test Date	6/12/12	6/12/12		
Checked by	jdt	jdt		
Check Date	06/19/12	06/19/12		
Diameter, in	2.88	2.87		
Height, in	6.15	6.1		
Water Content, %	54.6	45.4		
Dry Density, pcf	62.96	76.36		
Saturation, %	87.0	100.0		
Void Ratio	1.73	1.25		
Confining Stress, psi	20	27		
Undrained Strength, psi	0.3331	0.4472		
Max. Dev. Stress, psi	0.6663	0.8944		
Strain at Failure, %	1.03	8.58		
Strain Rate, %/min	1	1		
Estimated Specific Gravity	2.75	2.75		
Liquid Limit	51	51		
Plastic Limit	20	20		
Plasticity Index	31	31		

GeoTesting EXPRESS

Project: 551 W. 21st Street
Location: Manhatten, NY
Project No.: GTX-11889
Boring No.: B-10 (OW)
Sample Type: intact

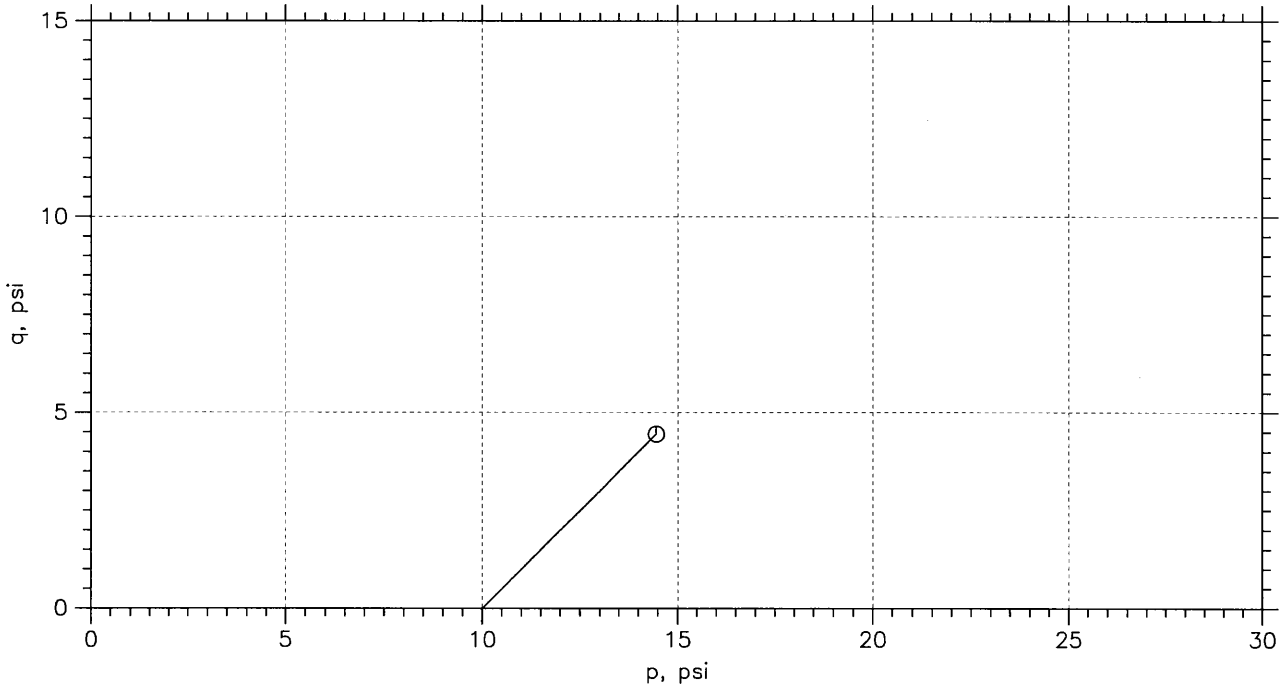


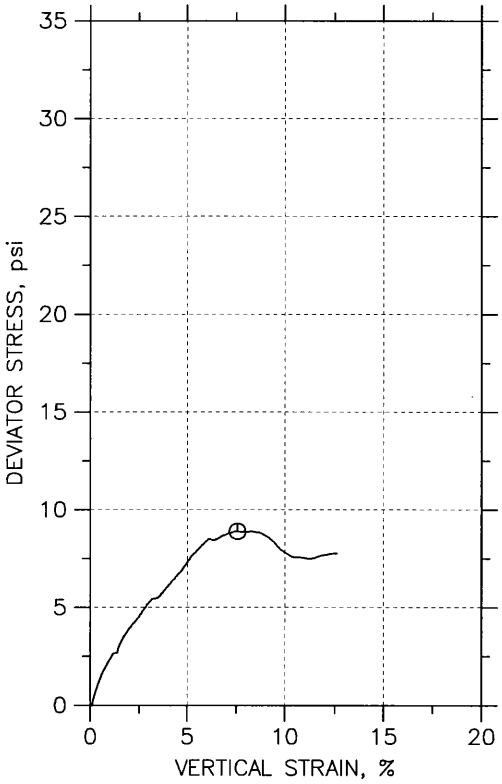
Description: Moist, dark grayish brown clay
Remarks: System W

Phase calculations based on start and end of test.

Tue, 19-JUN-2012 09:52:51

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850





Symbol	⦶			
Sample No.	UD-2			
Test No.	UU-4			
Depth	35-37 ft			
Tested by	md			
Test Date	6/12/12			
Checked by	jdt			
Check Date	06/19/12			
Diameter, in	2.87			
Height, in	6.08			
Water Content, %	43.8			
Dry Density, pcf	77.67			
Saturation, %	99.5			
Void Ratio	1.21			
Confining Stress, psi	10			
Undrained Strength, psi	4.451			
Max. Dev. Stress, psi	8.903			
Strain at Failure, %	7.55			
Strain Rate, %/min	1			
Estimated Specific Gravity	2.75			
Liquid Limit	61			
Plastic Limit	28			
Plasticity Index	33			

GeoTesting EXPRESS

Project: 551 W. 21st Street

Location: Manhatten, NY

Project No.: GTX-11889

Boring No.: B-11

Sample Type: intact

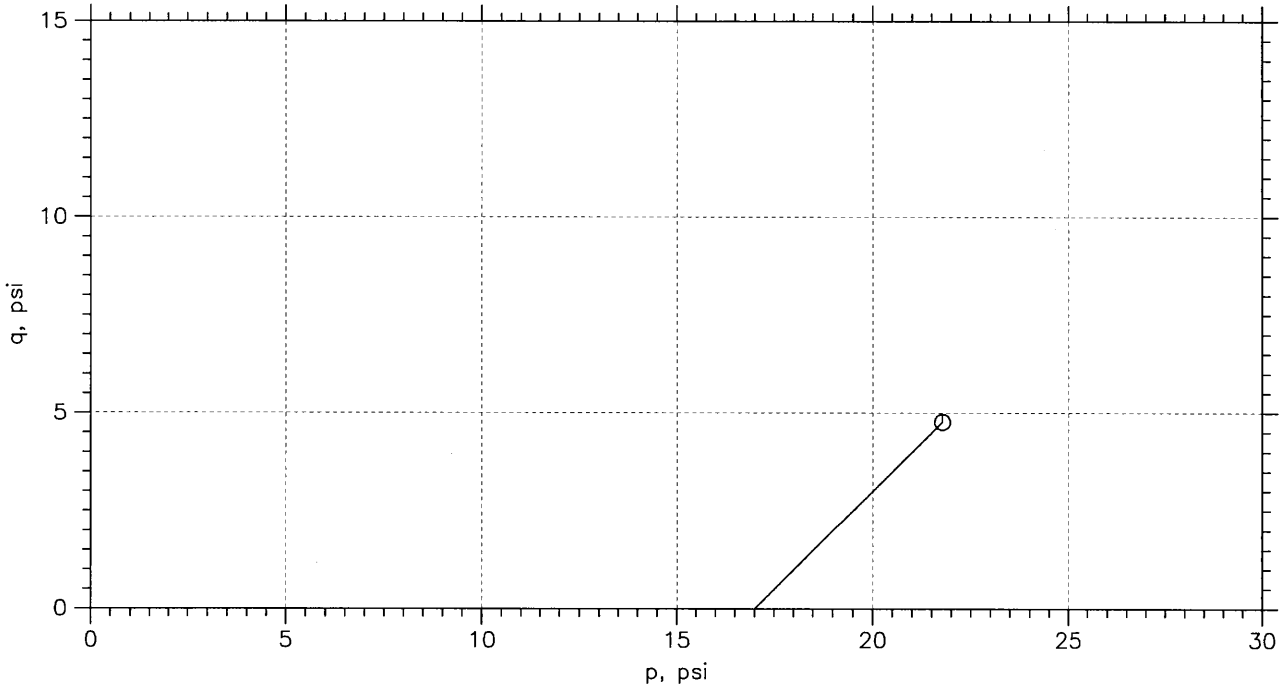
Description: Moist, very dark gray clay

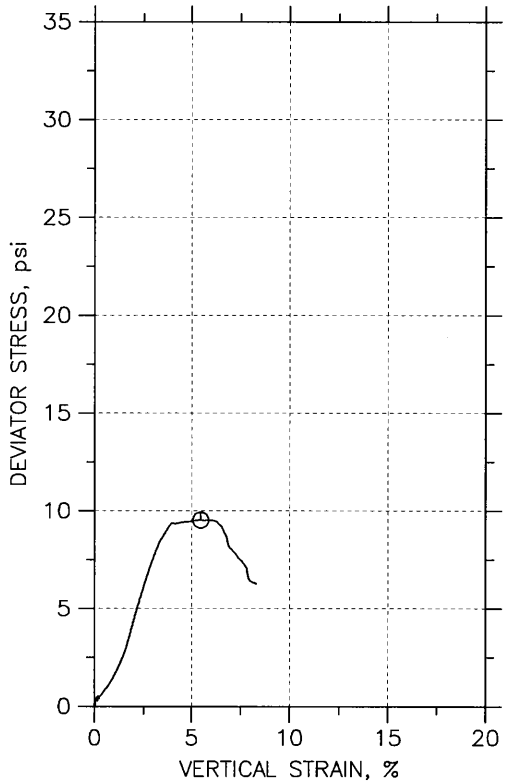
Remarks: System W

Phase calculations based on start and end of test.

Tue, 19-JUN-2012 10:08:11

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850





Symbol	⦶			
Sample No.	UD-2			
Test No.	UU-3			
Depth	35-37 ft			
Tested by	md			
Test Date	6/12/12			
Checked by	jdt			
Check Date	06/19/12			
Diameter, in	2.87			
Height, in	6.11			
Water Content, %	52.3			
Dry Density, pcf	68.48			
Saturation, %	95.4			
Void Ratio	1.51			
Confining Stress, psi	17			
Undrained Strength, psi	4.771			
Max. Dev. Stress, psi	9.541			
Strain at Failure, %	5.45			
Strain Rate, %/min	1			
Estimated Specific Gravity	2.75			
Liquid Limit	61			
Plastic Limit	28			
Plasticity Index	33			

GeoTesting EXPRESS

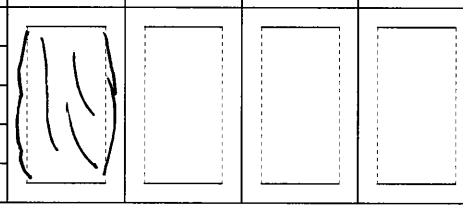
Project: 551 W. 21st Street

Location: Manhatten, NY

Project No.: GTX-11889

Boring No.: B-11

Sample Type: intact



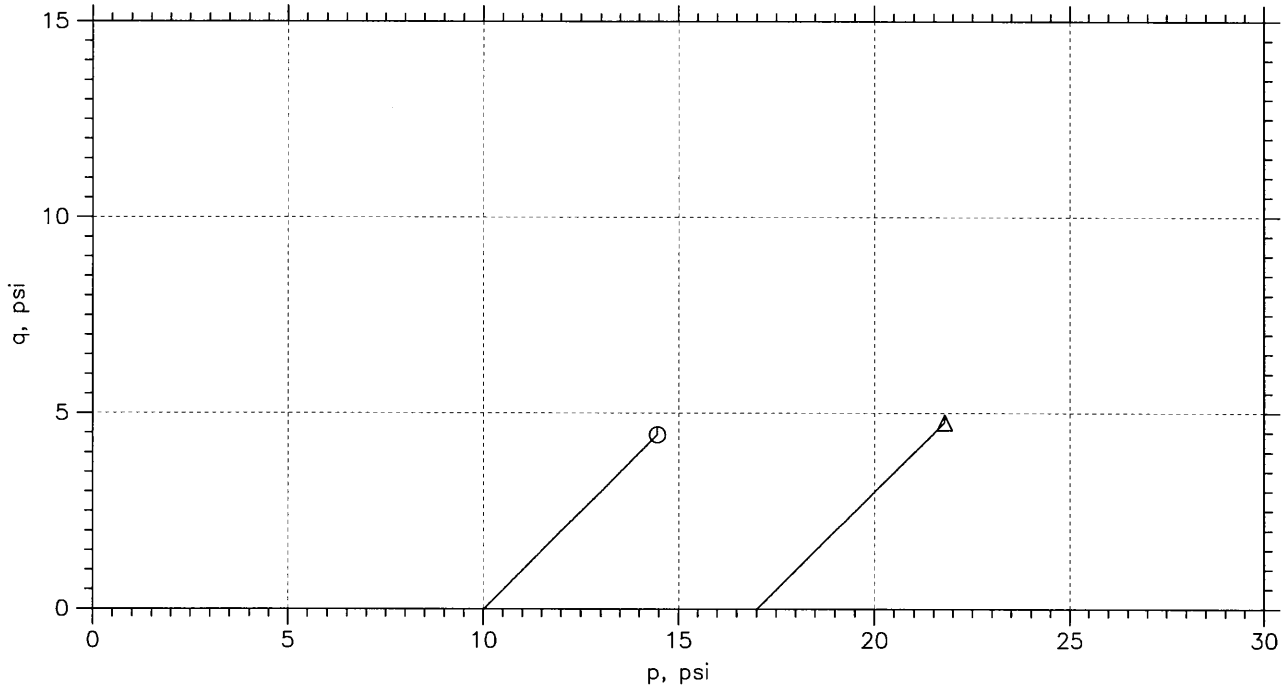
Description: Moist, very dark gray clay

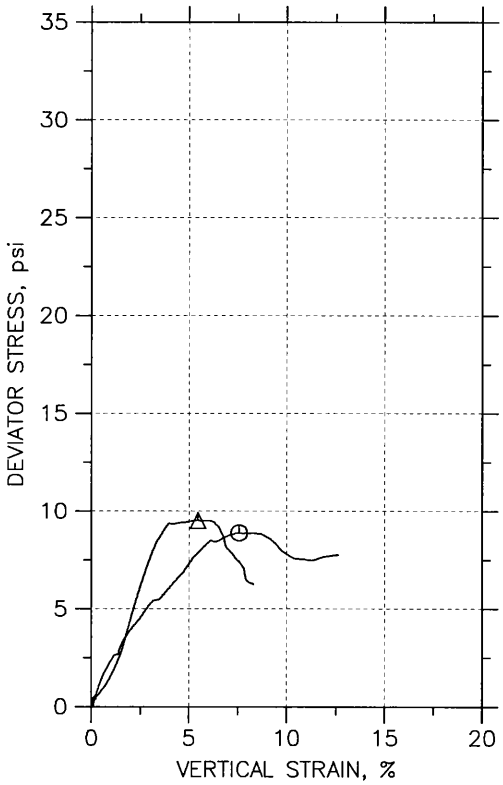
Remarks: System W

Phase calculations based on start and end of test.

Tue, 19-JUN-2012 10:05:20

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850

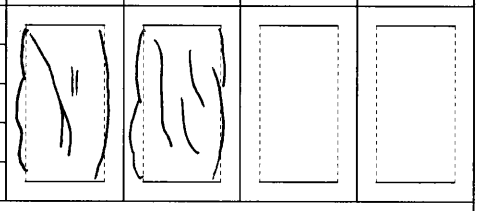




Symbol	⦶	△		
Sample No.	UD-2	UD-2		
Test No.	UU-4	UU-3		
Depth	35-37 ft	35-37 ft		
Tested by	md	md		
Test Date	6/12/12	6/12/12		
Checked by	jdt	jdt		
Check Date	06/19/12	06/19/12		
Diameter, in	2.87	2.87		
Height, in	6.08	6.11		
Water Content, %	43.8	52.3		
Dry Density, pcf	77.67	68.48		
Saturation, %	99.5	95.4		
Void Ratio	1.21	1.51		
Confining Stress, psi	10	17		
Undrained Strength, psi	4.451	4.771		
Max. Dev. Stress, psi	8.903	9.541		
Strain at Failure, %	7.55	5.45		
Strain Rate, %/min	1	1		
Estimated Specific Gravity	2.75	2.75		
Liquid Limit	61	61		
Plastic Limit	28	28		
Plasticity Index	33	33		

GeoTesting EXPRESS

Project: 551 W. 21st Street
Location: Manhatten, NY
Project No.: GTX-11889
Boring No.: B-11
Sample Type: intact



Description: Moist, very dark gray clay
Remarks: System W

Phase calculations based on start and end of test.

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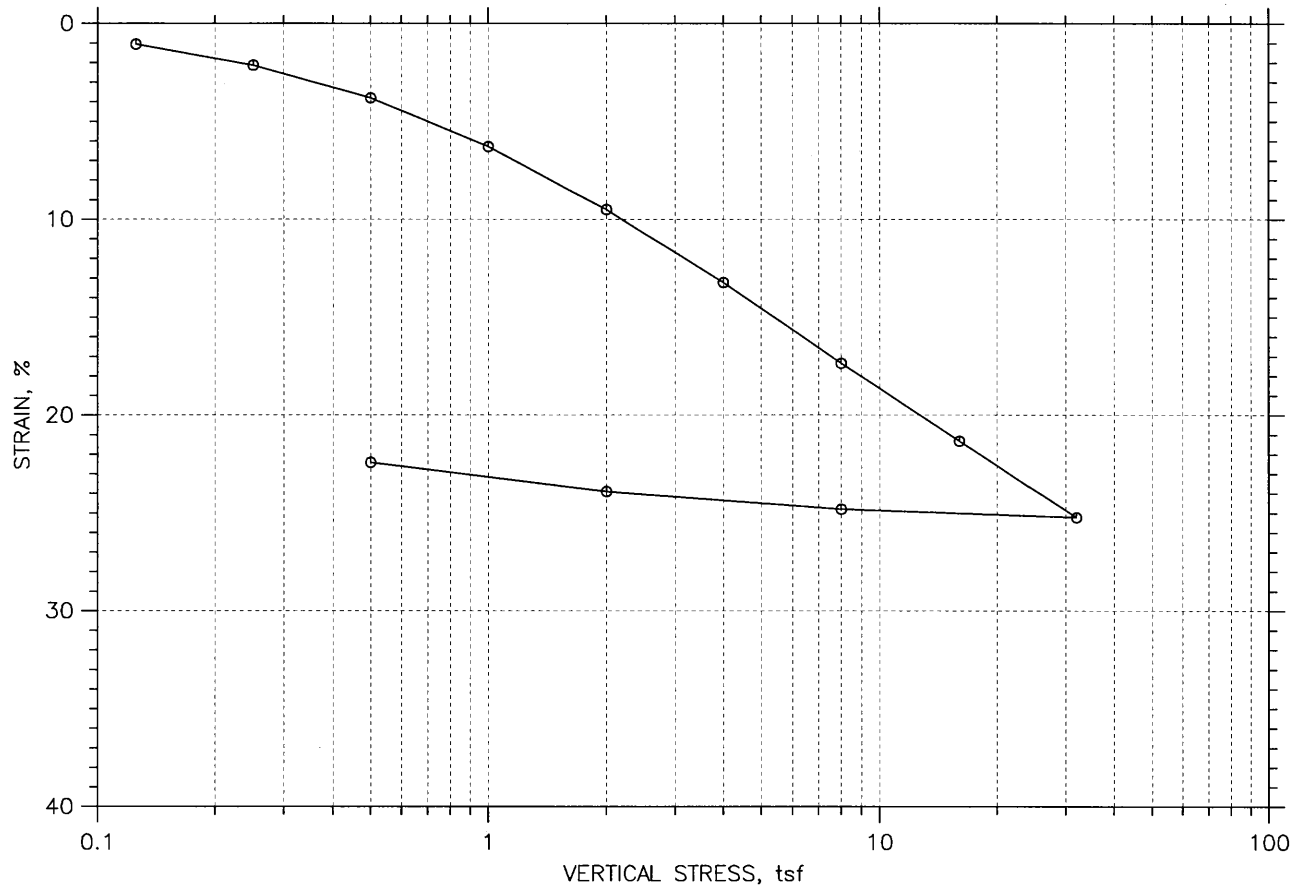
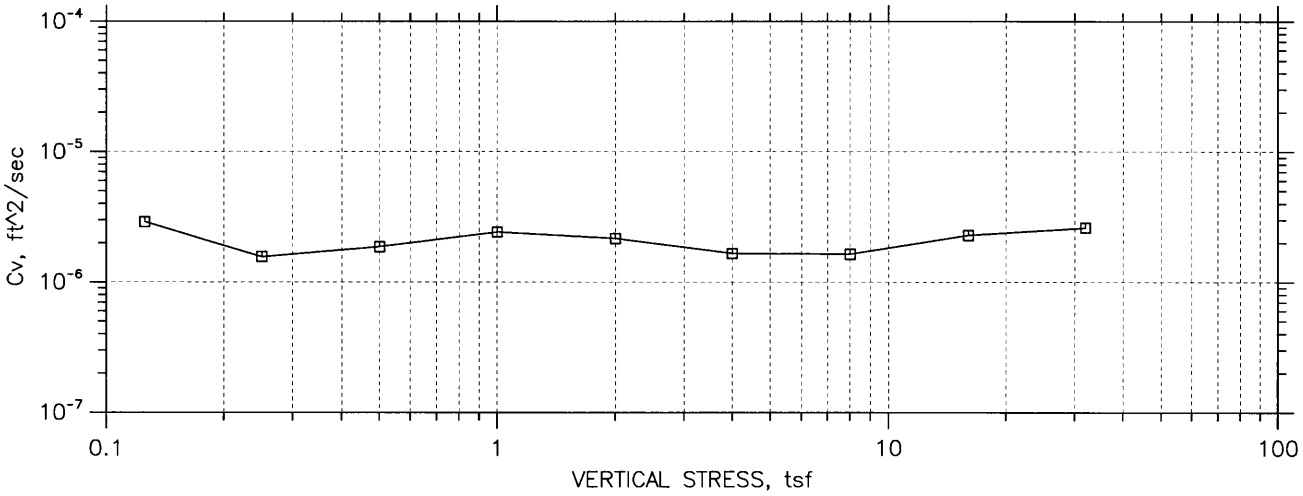
One-Dimensional Consolidation by ASTM D 2435 - Method B

SUMMARY REPORT



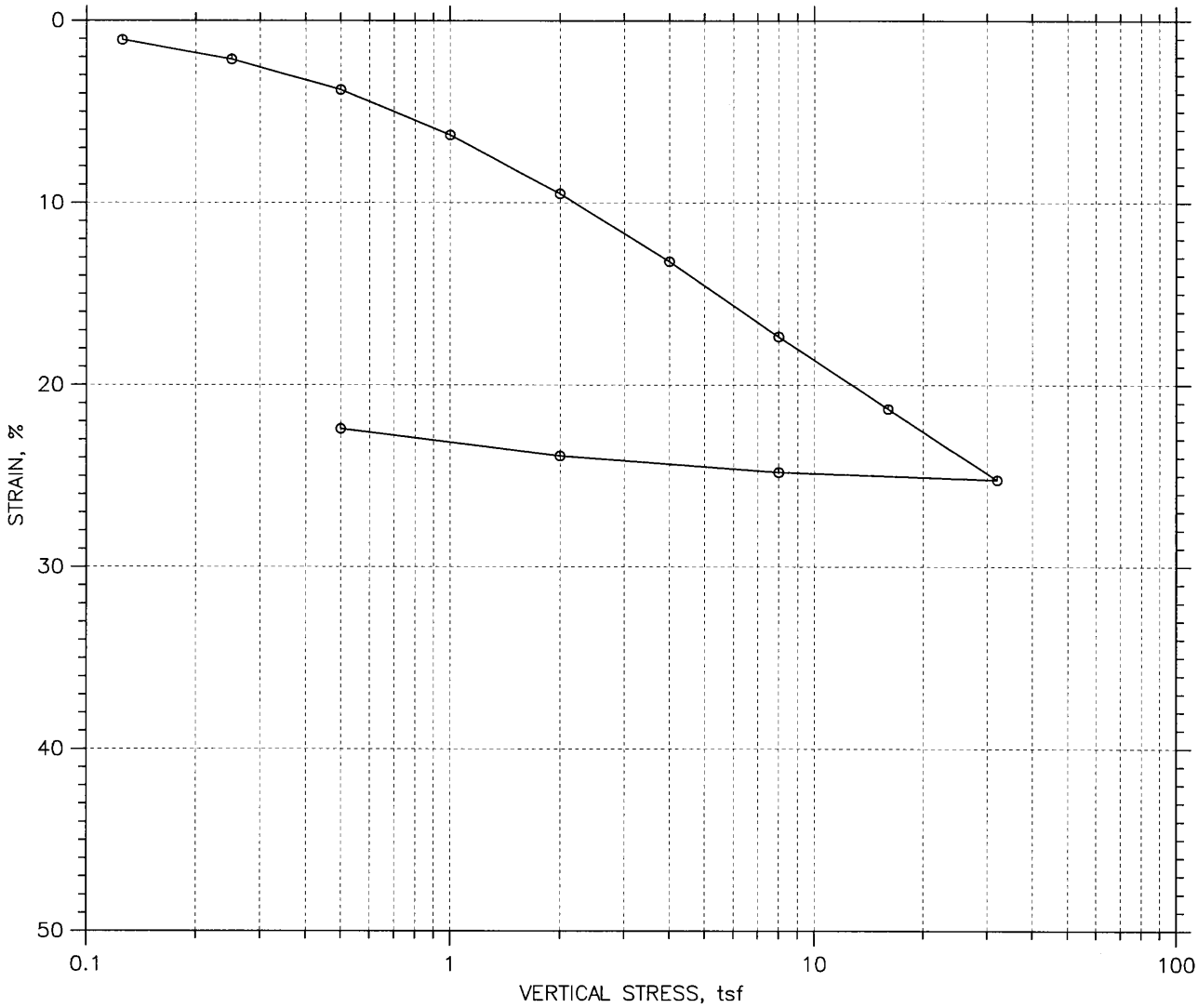


GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		
	Displacement at End of Increment		

Tue, 19-JUN-2012 09:14:47

One-Dimensional Consolidation by ASTM D 2435 - Method B

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	35.53	22.30
Preconsolidation Pressure: ---				Dry Unit Weight, pcf	83.421	103.37
Compression Index: ---				Saturation, %	96.70	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	0.96	0.59
LL: 43	PL: 18	PI: 25	GS: 2.63			

GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		
	Displacement at End of Increment		

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One-Dimensional Consolidation by ASTM D 2435 - Method B

Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
Sample No.: UD-2	Test Date: 6/04/12	Depth: 55-57 ft
Test No.: IP-2	Sample Type: intact	Elevation: ---

Soil Description: Moist, dark gray clay with sand
Remarks: System O

Estimated Specific Gravity: 2.63	Liquid Limit: 43	Specimen Diameter: 2.50 in
Initial Void Ratio: 0.965	Plastic Limit: 18	Initial Height: 1.00 in
Final Void Ratio: 0.585	Plasticity Index: 25	Final Height: 0.81 in

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	9051	RING		9320
Wt. Container + Wet Soil, gm	129.88	254.74	240.52	139.38
Wt. Container + Dry Soil, gm	98.920	216.55	216.55	115.45
Wt. Container, gm	8.3100	109.06	109.06	8.1400
Wt. Dry Soil, gm	90.610	107.49	107.49	107.31
Water Content, %	34.17	35.53	22.30	22.30
Void Ratio	---	0.965	0.585	---
Degree of Saturation, %	---	96.70	100.00	---
Dry Unit Weight, pcf	---	83.421	103.37	---

Note: Specific Gravity and Void Ratios are calculated assuming the degree of saturation equals 100% at the end of the test. Therefore, values may not represent actual values for the specimen.

One-Dimensional Consolidation by ASTM D 2435 - Method B

Project: 551 W. 21st Street
Boring No.: B-10 (OW)
Sample No.: UD-2
Test No.: IP-2

Location: Manhatten, NY
Tested By: md
Test Date: 6/04/12
Sample Type: intact

Project No.: GTX-11889
Checked By: jdt
Depth: 55-57 ft
Elevation: ---

Soil Description: Moist, dark gray clay with sand
Remarks: System O
Displacement at End of Increment

	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	Sq.Rt T90 min	Cv ft^2/sec	Mv 1/tsf	k ft/day
1	0.125	0.01061	0.944	1.06	8.435	2.88e-006	8.48e-002	6.59e-004
2	0.250	0.02126	0.923	2.13	12.751	1.86e-006	8.53e-002	4.28e-004
3	0.500	0.03796	0.890	3.80	11.497	2.01e-006	6.68e-002	3.62e-004
4	1.00	0.06278	0.841	6.28	10.425	2.12e-006	4.96e-002	2.84e-004
5	2.00	0.09489	0.778	9.49	11.960	1.74e-006	3.21e-002	1.51e-004
6	4.00	0.1322	0.705	13.2	13.923	1.38e-006	1.86e-002	6.96e-005
7	8.00	0.1734	0.624	17.3	11.459	1.54e-006	1.03e-002	4.27e-005
8	16.0	0.2132	0.546	21.3	7.786	2.05e-006	4.97e-003	2.75e-005
9	32.0	0.2522	0.469	25.2	5.954	2.43e-006	2.44e-003	1.59e-005
10	8.00	0.2479	0.478	24.8	1.651	8.36e-006	1.77e-004	3.98e-006
11	2.00	0.2389	0.495	23.9	9.831	1.43e-006	1.50e-003	5.78e-006
12	0.500	0.2240	0.524	22.4	29.742	4.87e-007	9.92e-003	1.30e-005

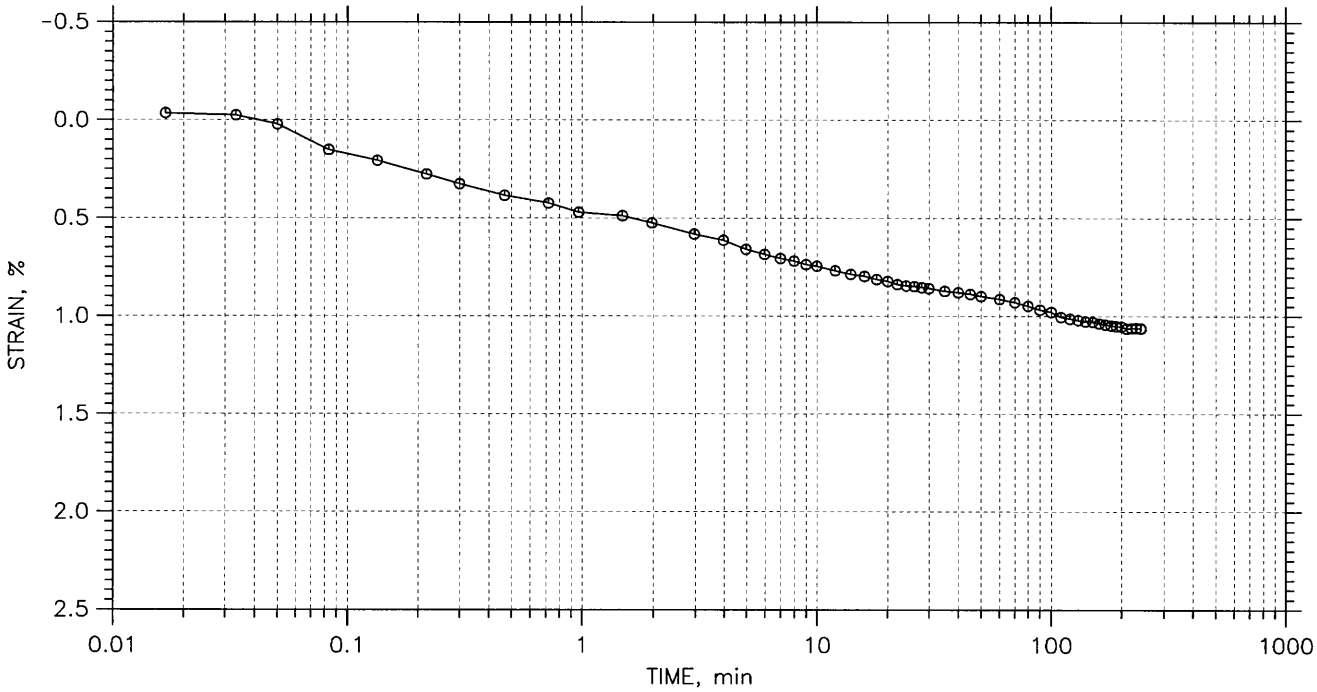
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	Log T50 min	Cv ft^2/sec	Mv 1/tsf	k ft/day	Ca %
1	0.125	0.01061	0.944	1.06	0.000	0.00e+000	8.48e-002	0.00e+000	0.00e+000
2	0.250	0.02126	0.923	2.13	3.618	1.53e-006	8.53e-002	3.51e-004	0.00e+000
3	0.500	0.03796	0.890	3.80	2.714	1.98e-006	6.68e-002	3.56e-004	0.00e+000
4	1.00	0.06278	0.841	6.28	1.672	3.07e-006	4.96e-002	4.12e-004	0.00e+000
5	2.00	0.09489	0.778	9.49	1.964	2.46e-006	3.21e-002	2.13e-004	0.00e+000
6	4.00	0.1322	0.705	13.2	2.650	1.69e-006	1.86e-002	8.50e-005	0.00e+000
7	8.00	0.1734	0.624	17.3	2.336	1.75e-006	1.03e-002	4.87e-005	0.00e+000
8	16.0	0.2132	0.546	21.3	1.614	2.30e-006	4.97e-003	3.08e-005	0.00e+000
9	32.0	0.2522	0.469	25.2	1.211	2.77e-006	2.44e-003	1.82e-005	0.00e+000
10	8.00	0.2479	0.478	24.8	0.254	1.26e-005	1.77e-004	6.00e-006	0.00e+000
11	2.00	0.2389	0.495	23.9	0.000	0.00e+000	1.50e-003	0.00e+000	0.00e+000
12	0.500	0.2240	0.524	22.4	6.761	4.98e-007	9.92e-003	1.33e-005	0.00e+000

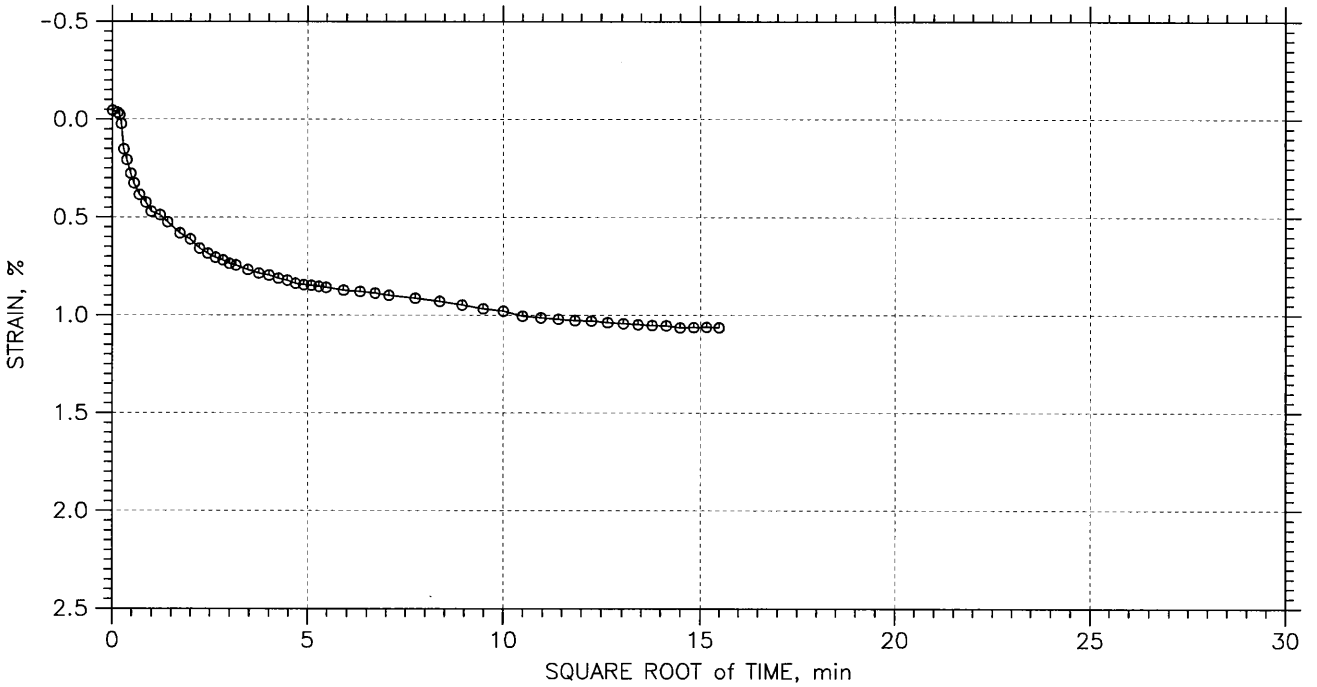
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Volume Step 1 of 12

Stress: 0.125 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System 0		

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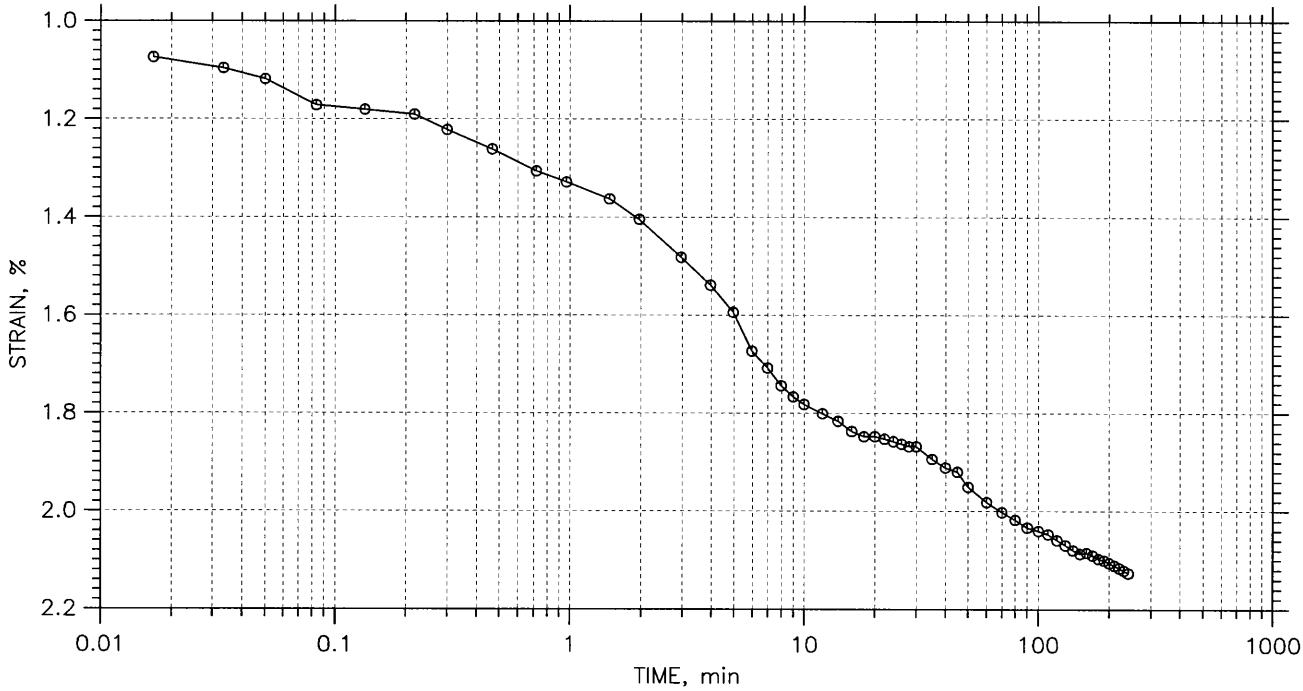
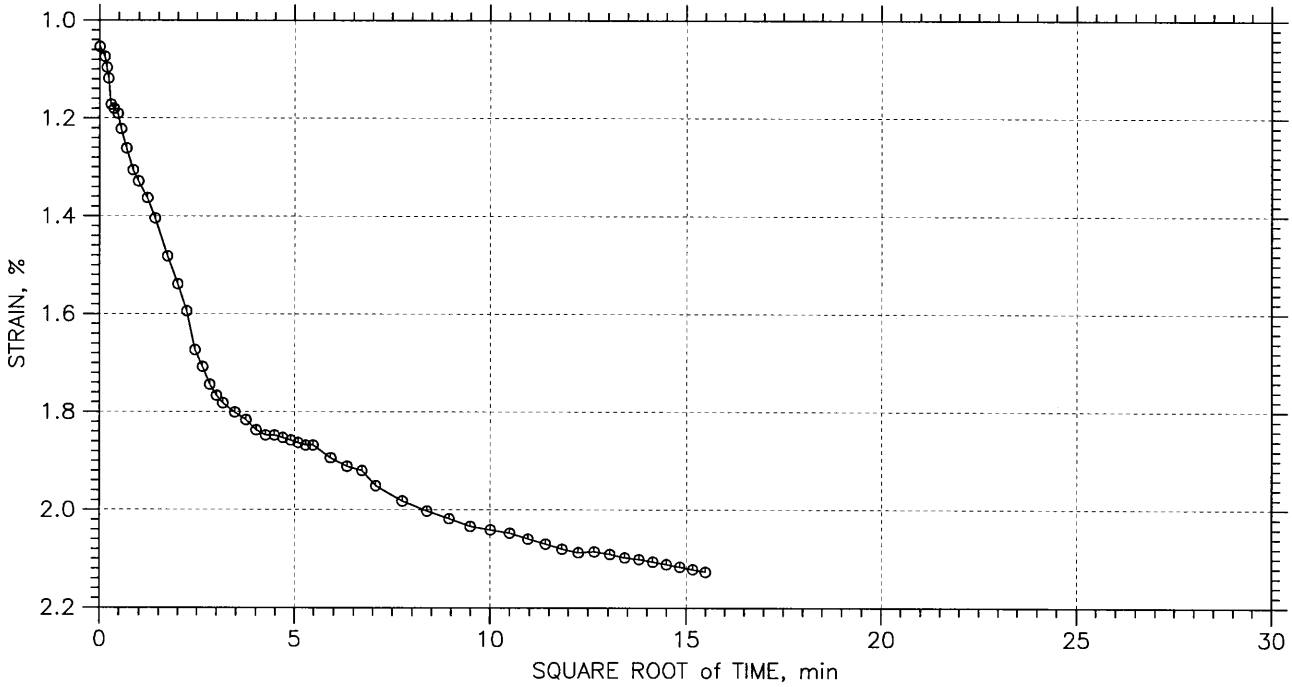
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 2 of 12

Stress: 0.25 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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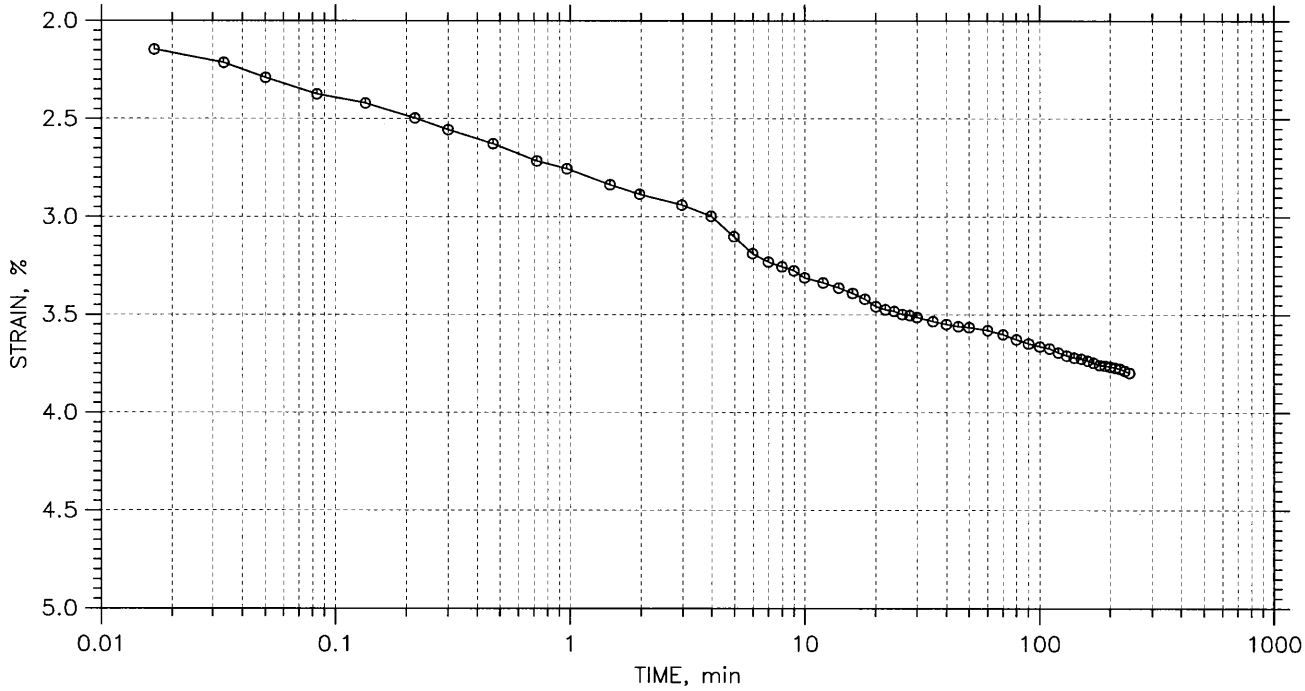
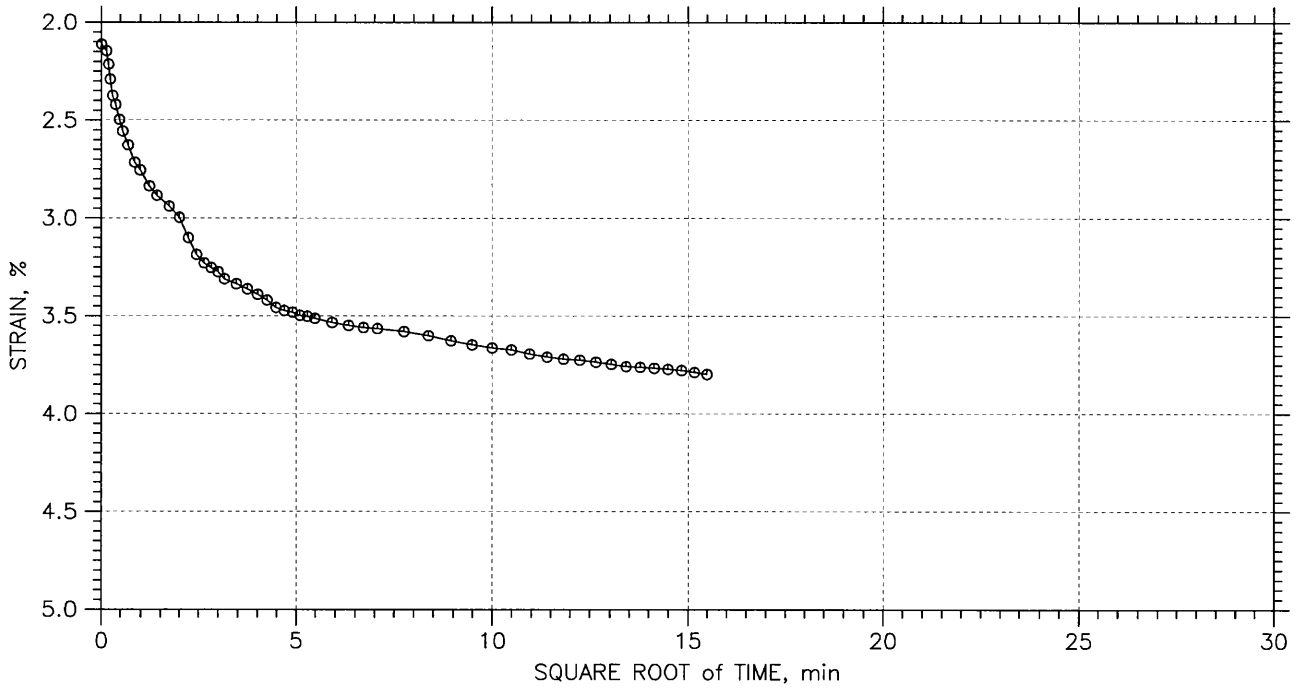
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 3 of 12

Stress: 0.5 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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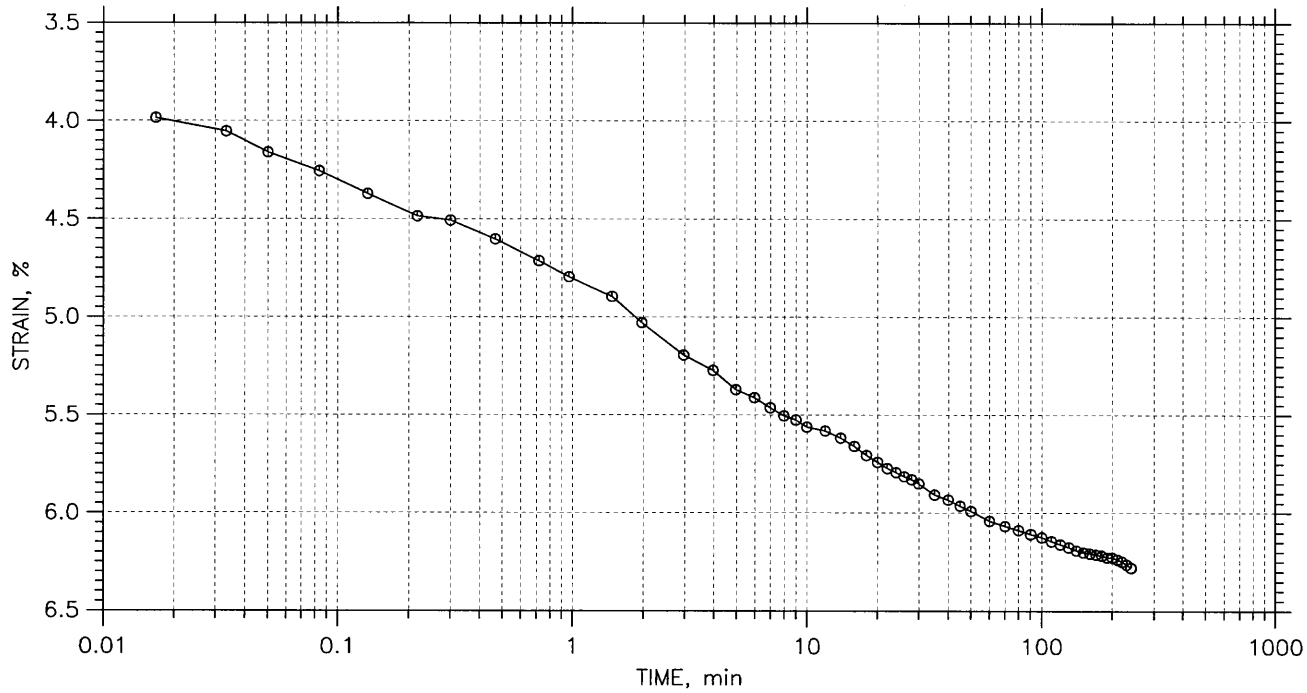
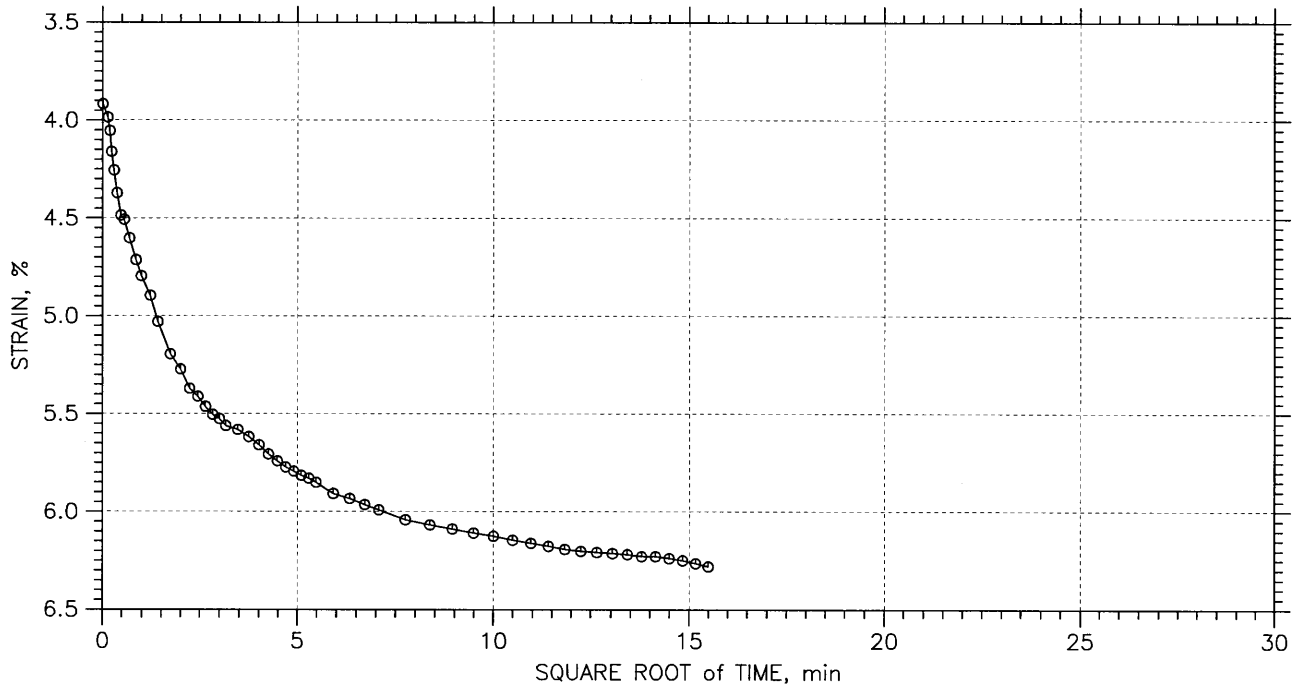
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 4 of 12

Stress: 1 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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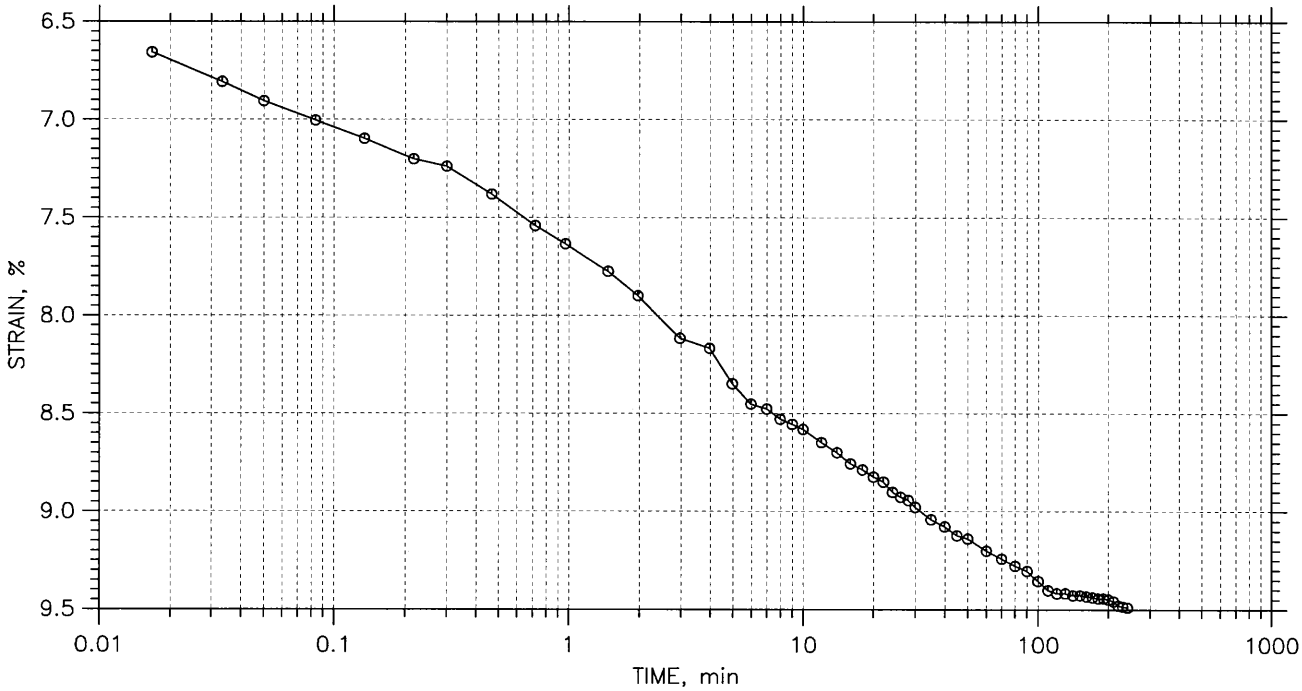
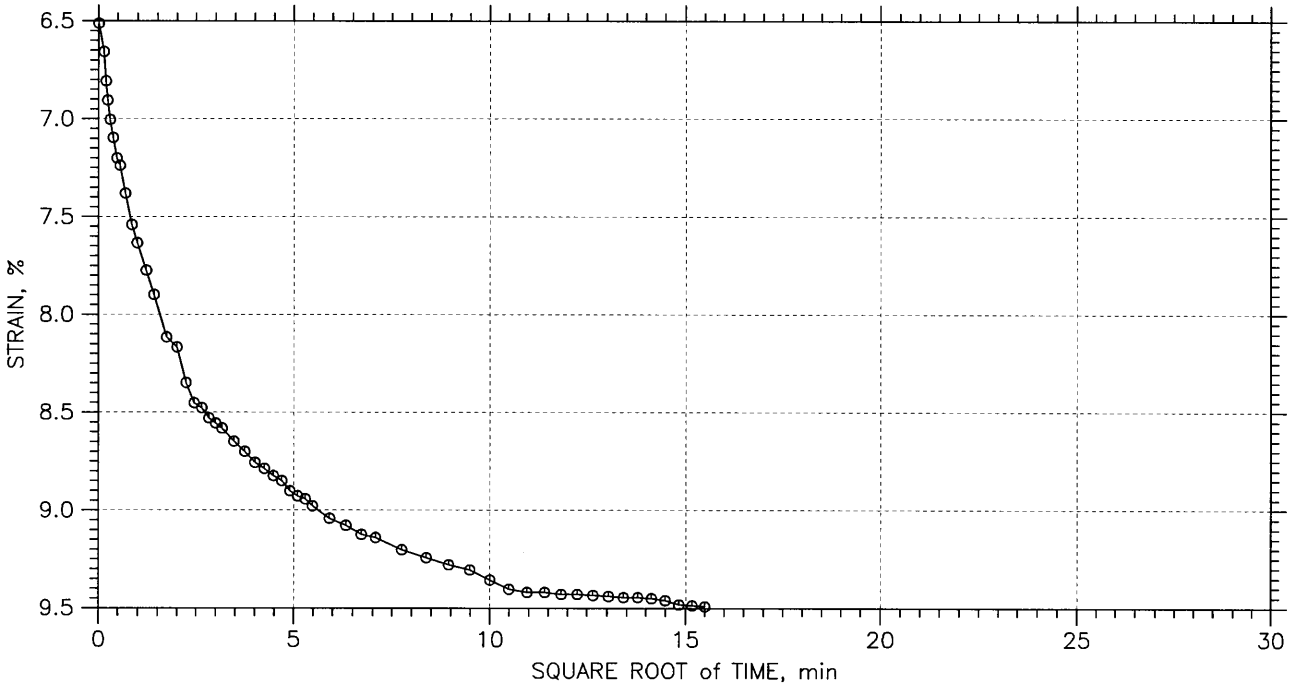
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 5 of 12

Stress: 2 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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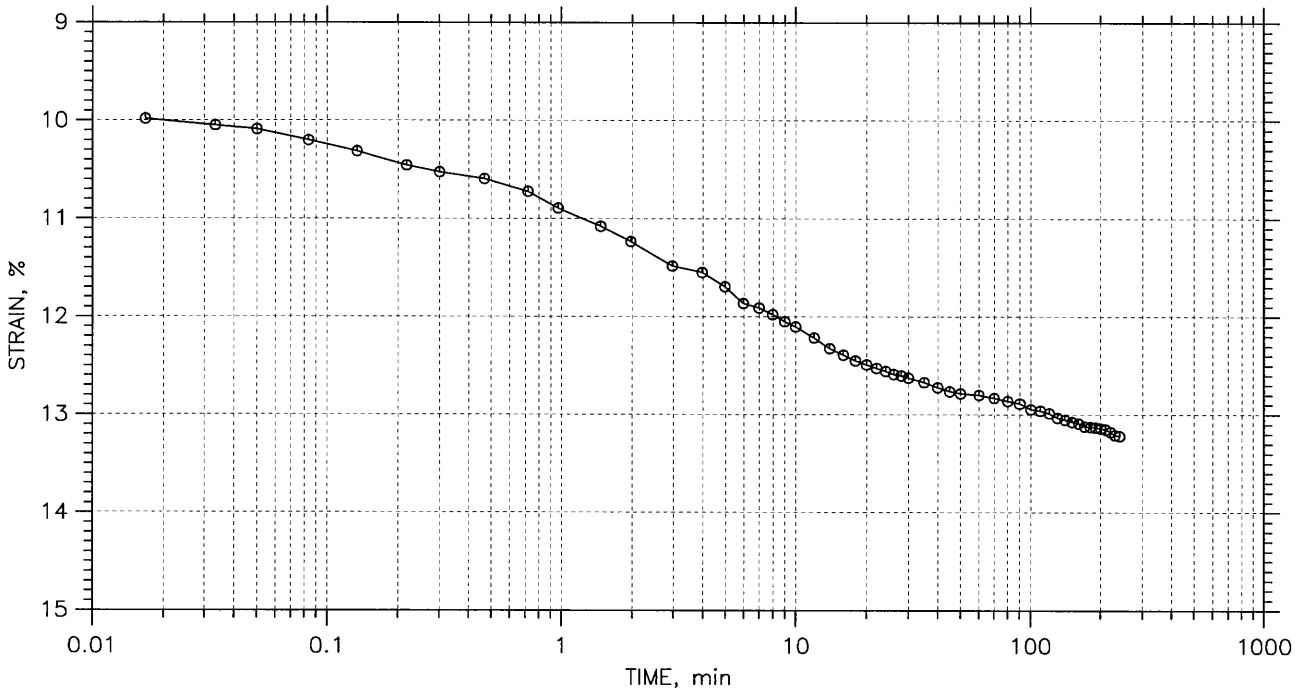
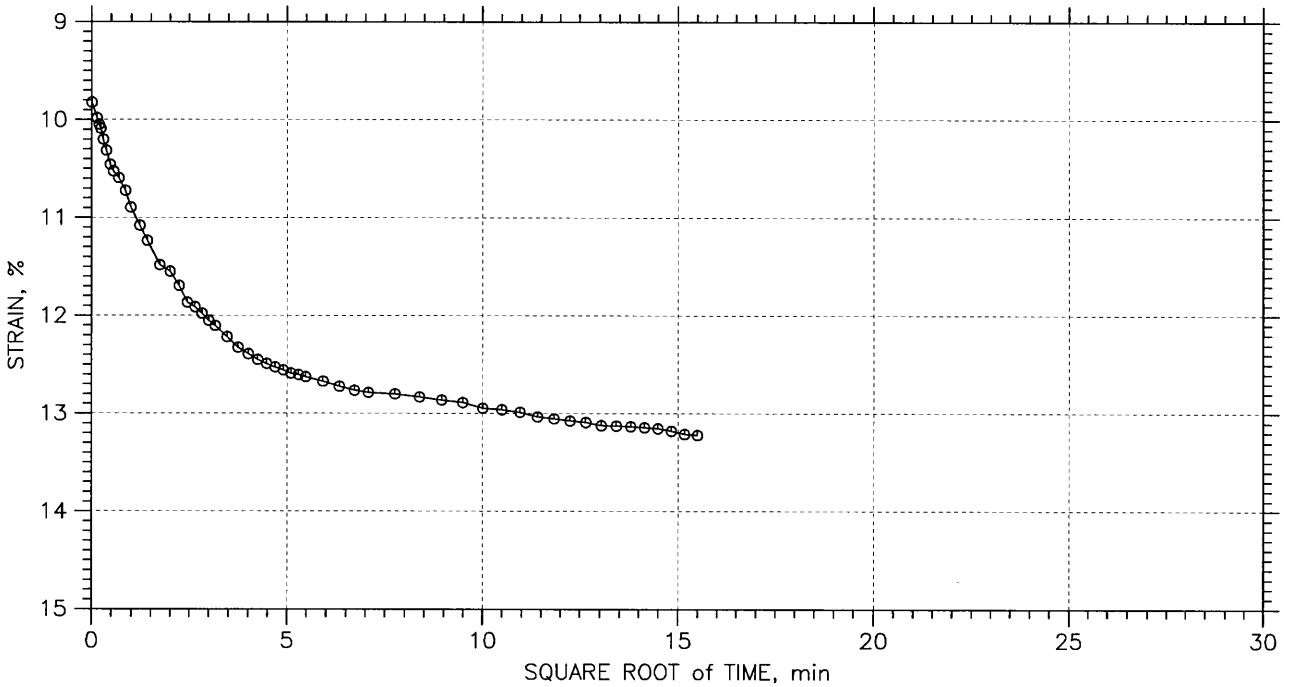
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 6 of 12

Stress: 4 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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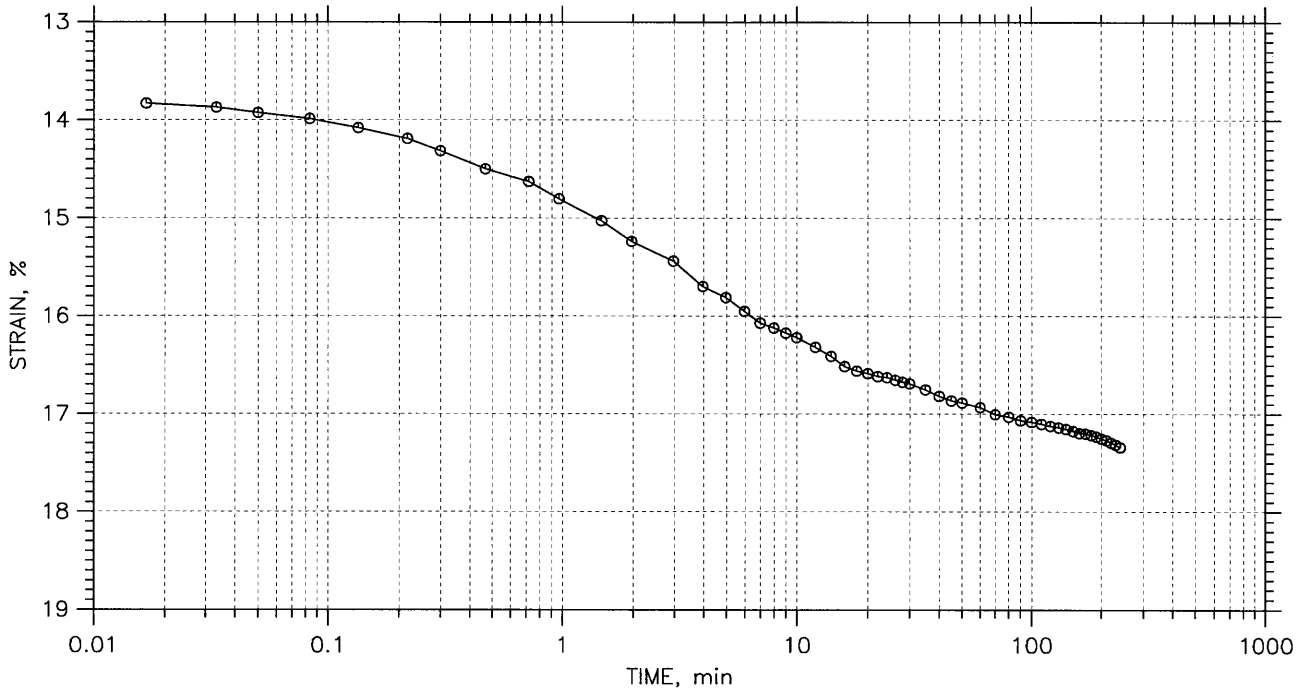
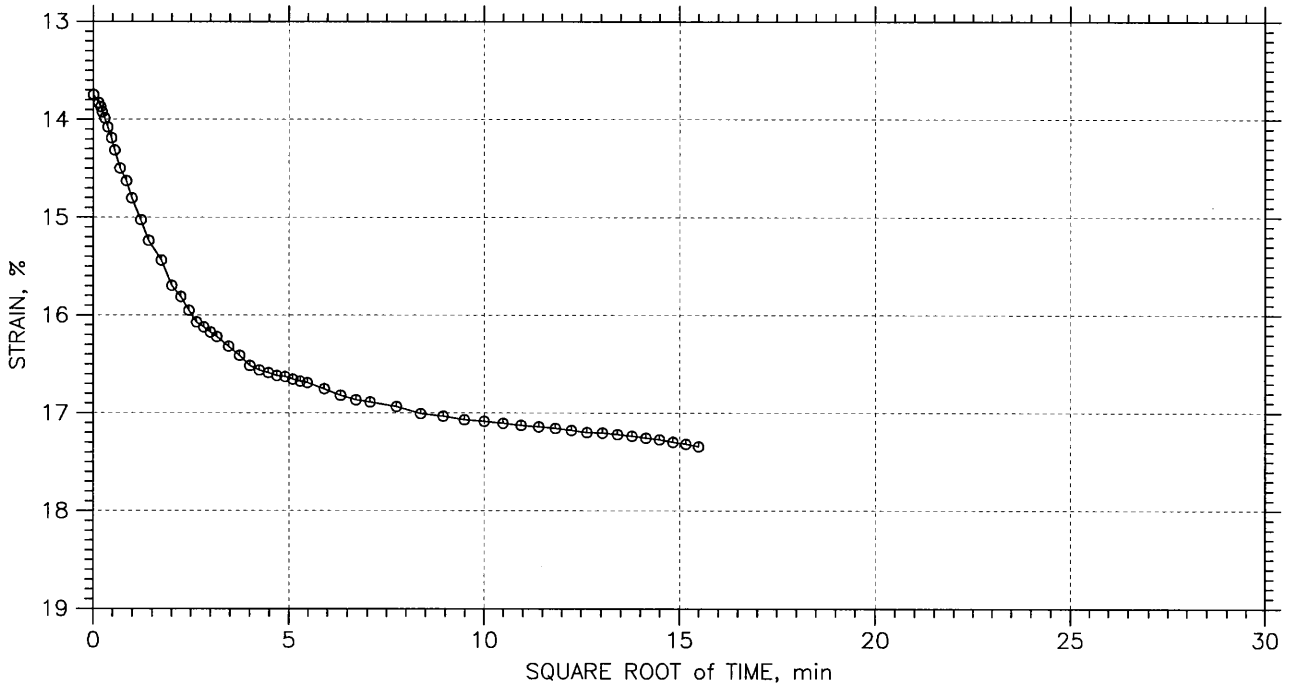
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 7 of 12

Stress: 8 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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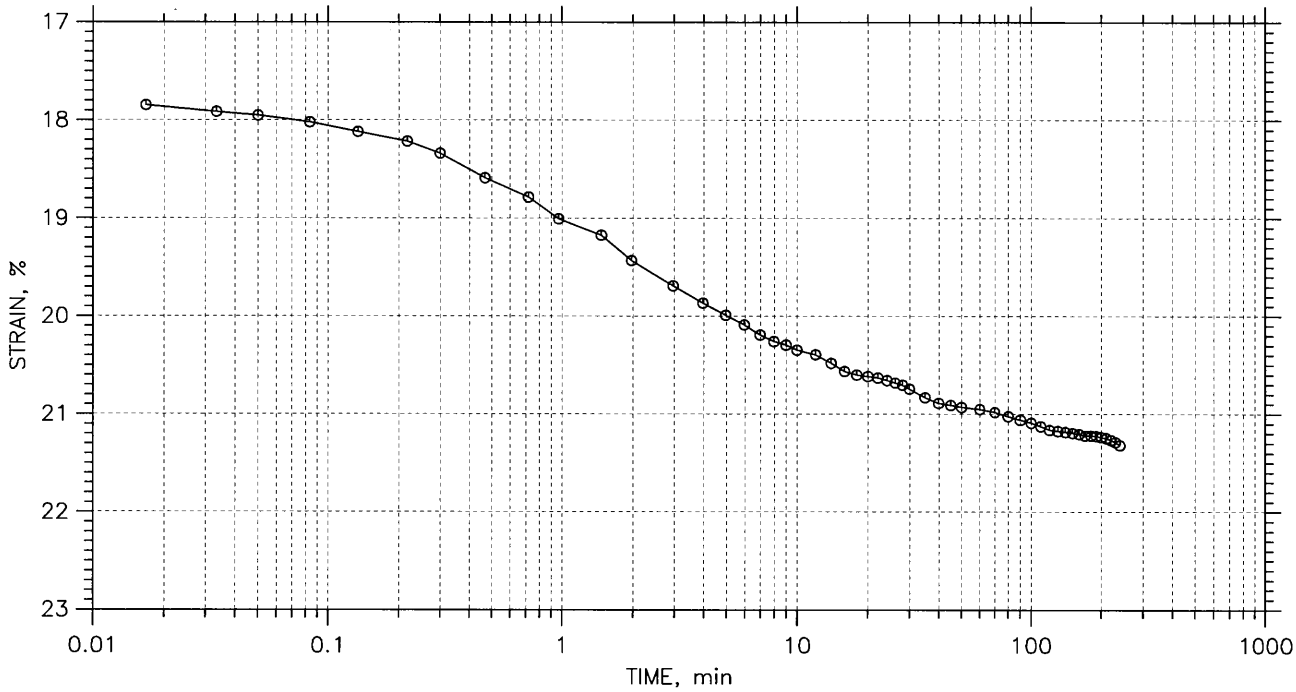
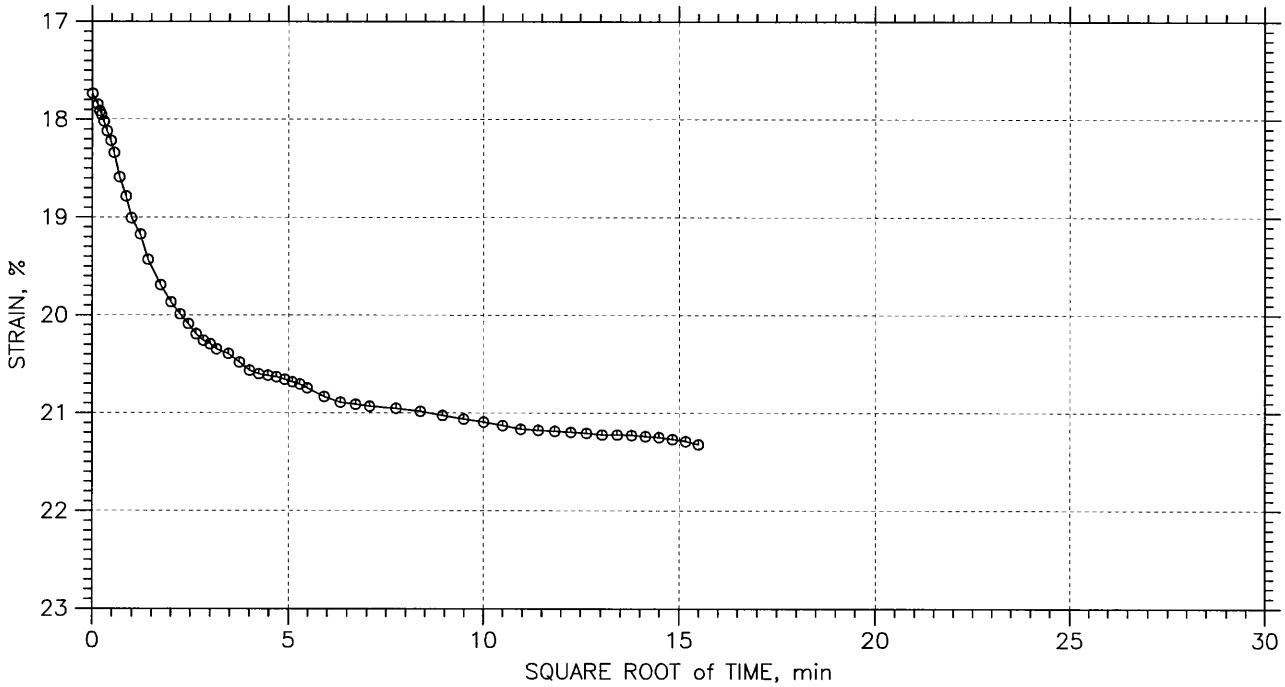
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 8 of 12

Stress: 16 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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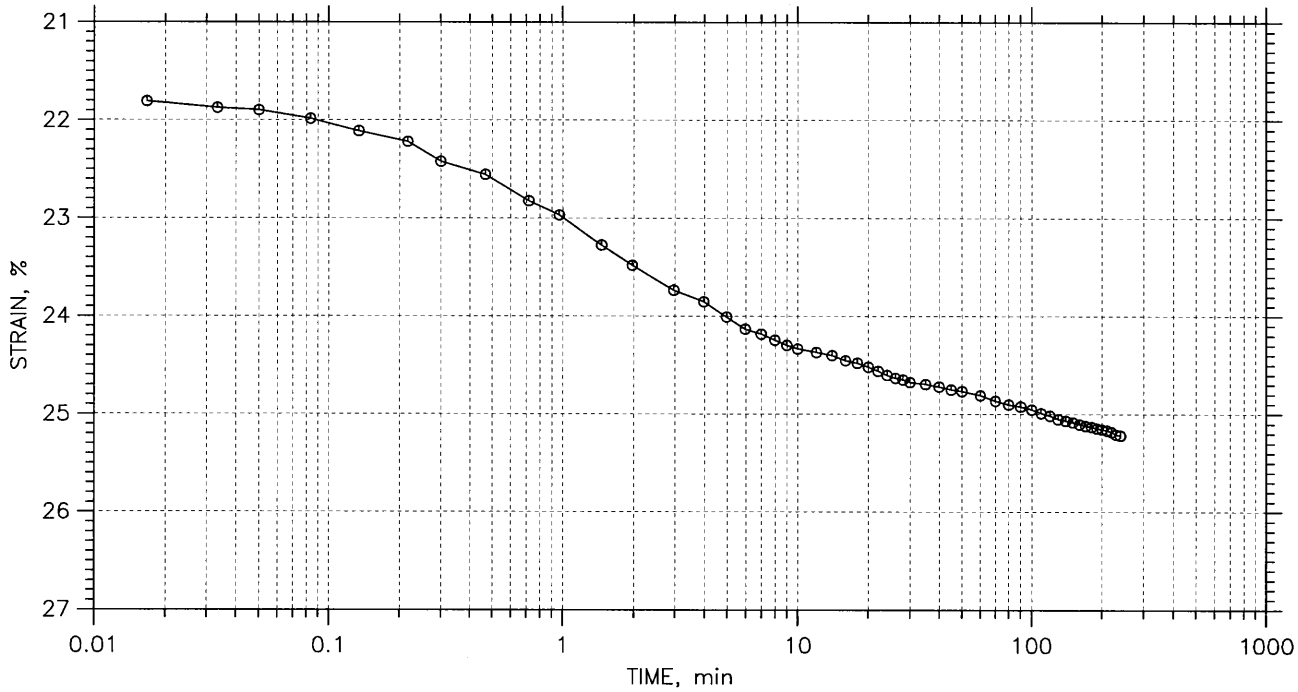
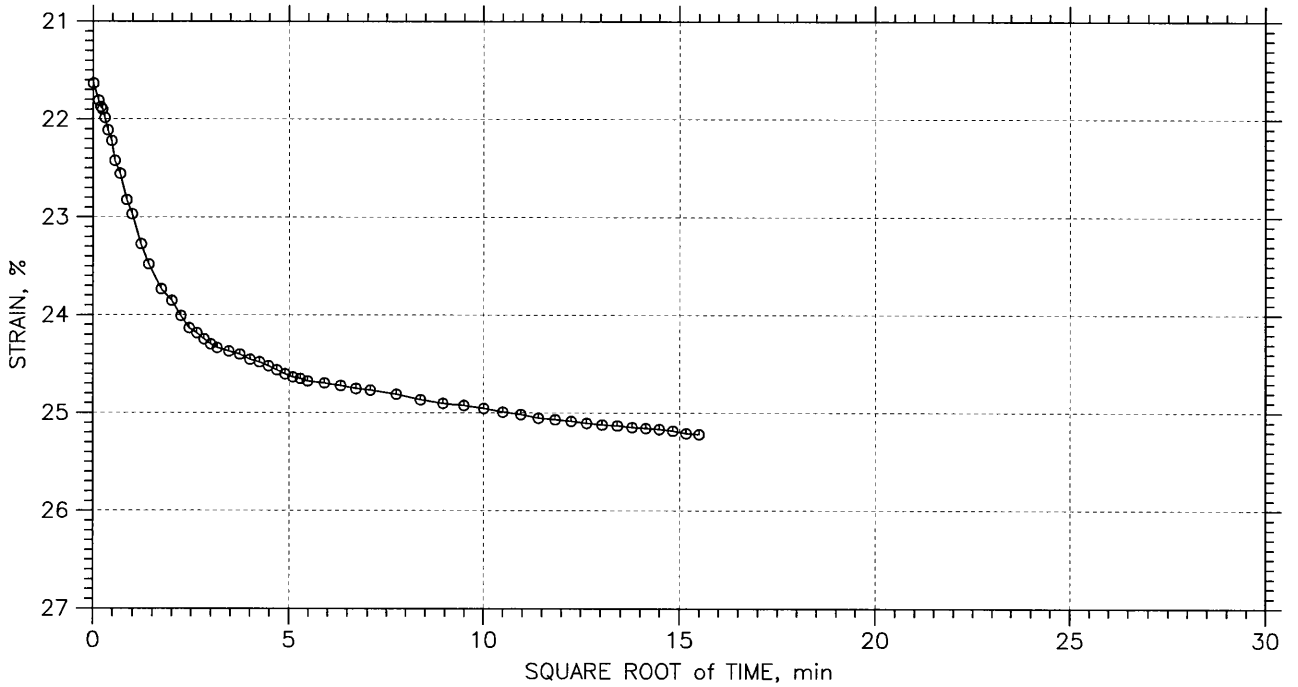
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 9 of 12

Stress: 32 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System 0		

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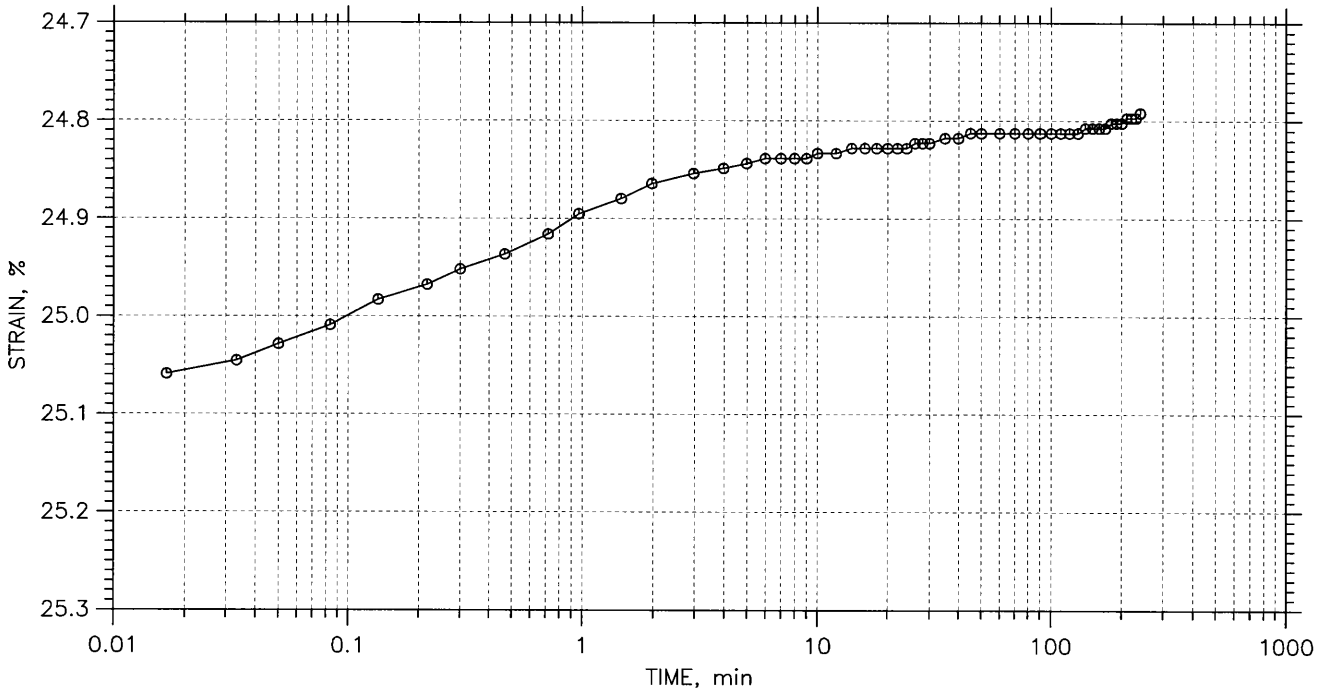
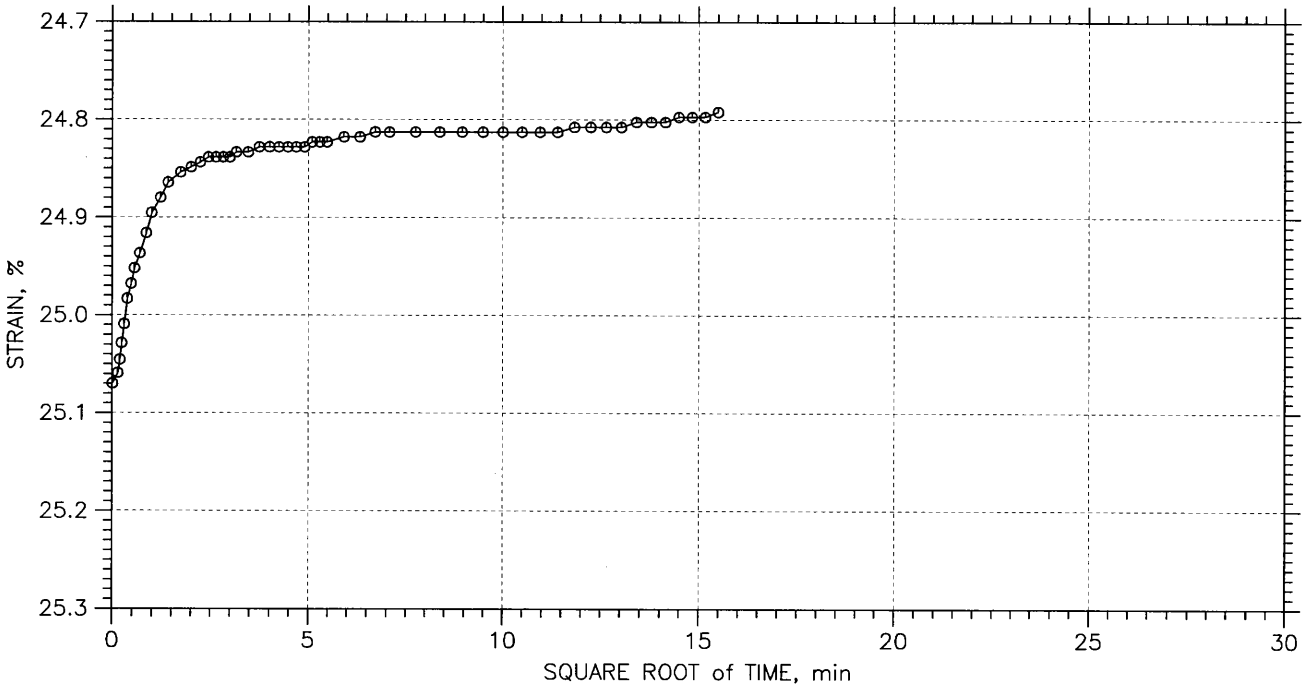
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 10 of 12

Stress: 8 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System 0		

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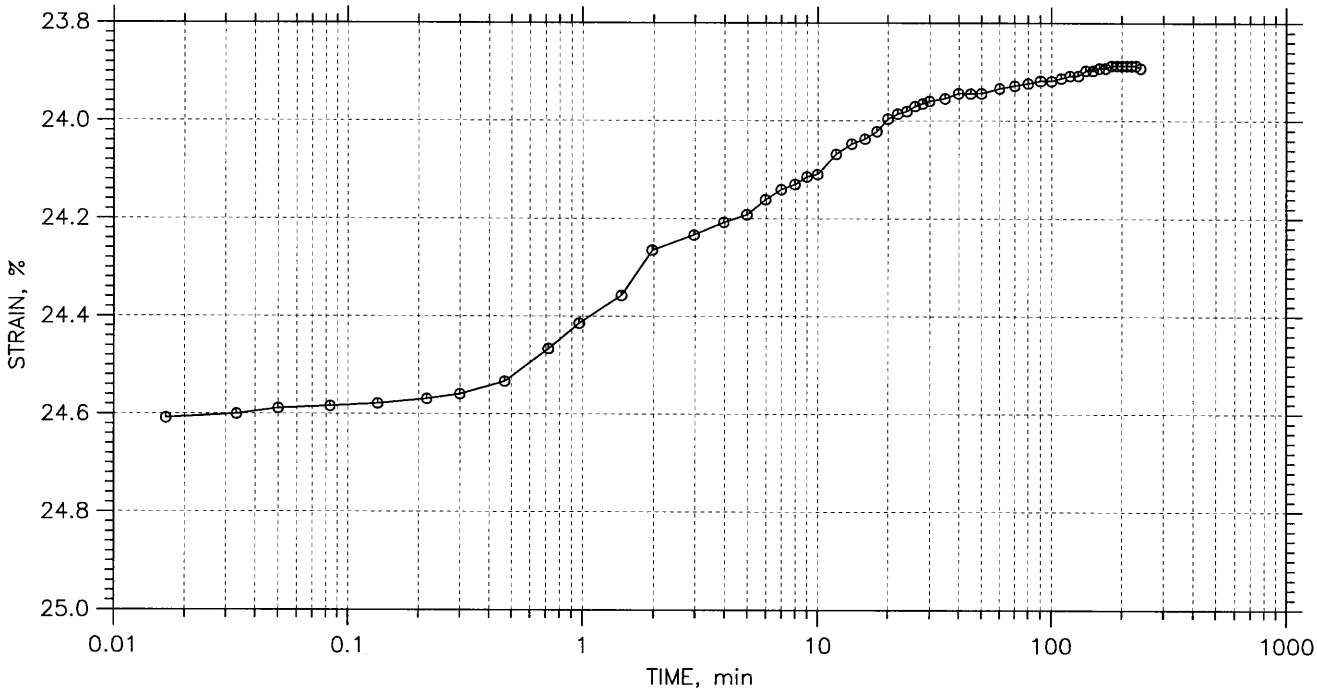
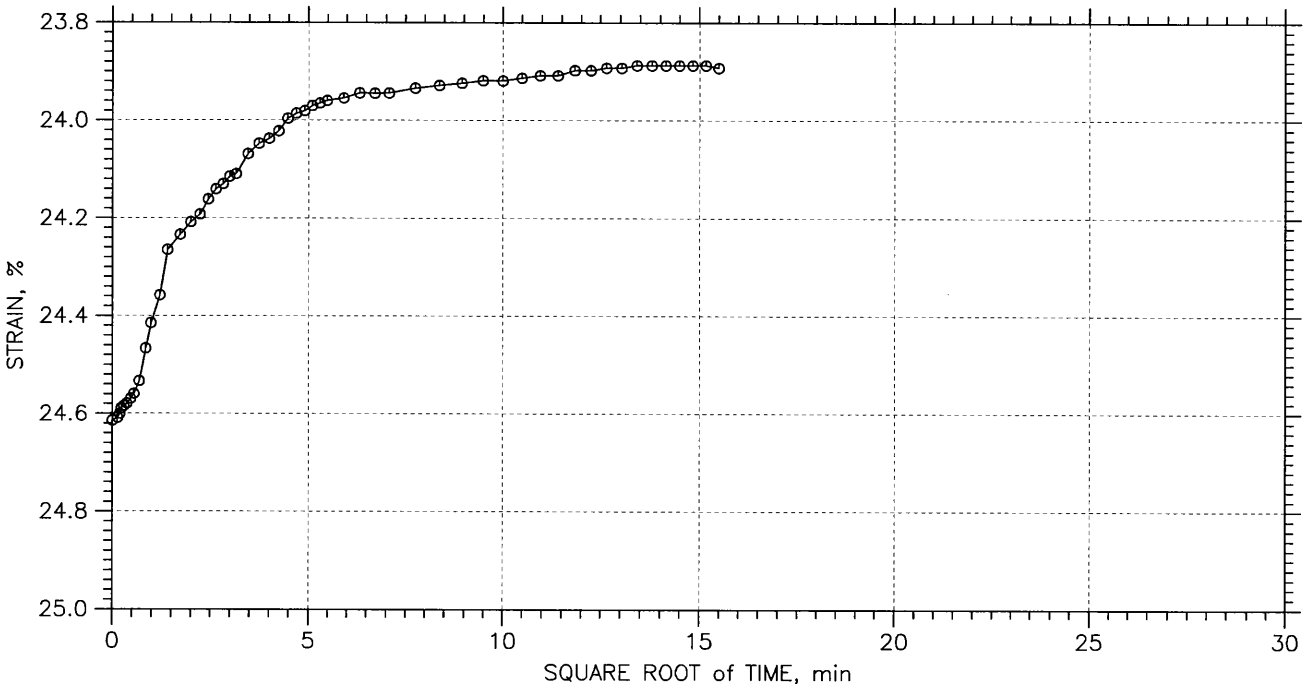
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 11 of 12

Stress: 2 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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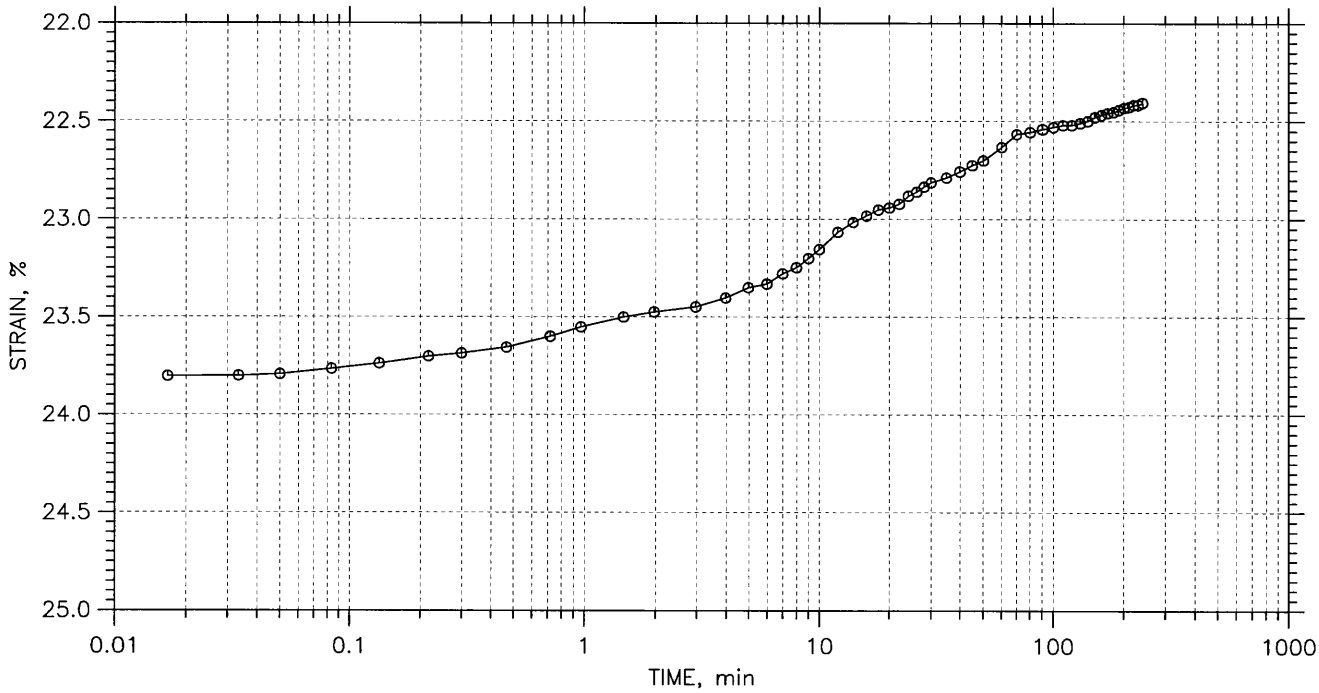
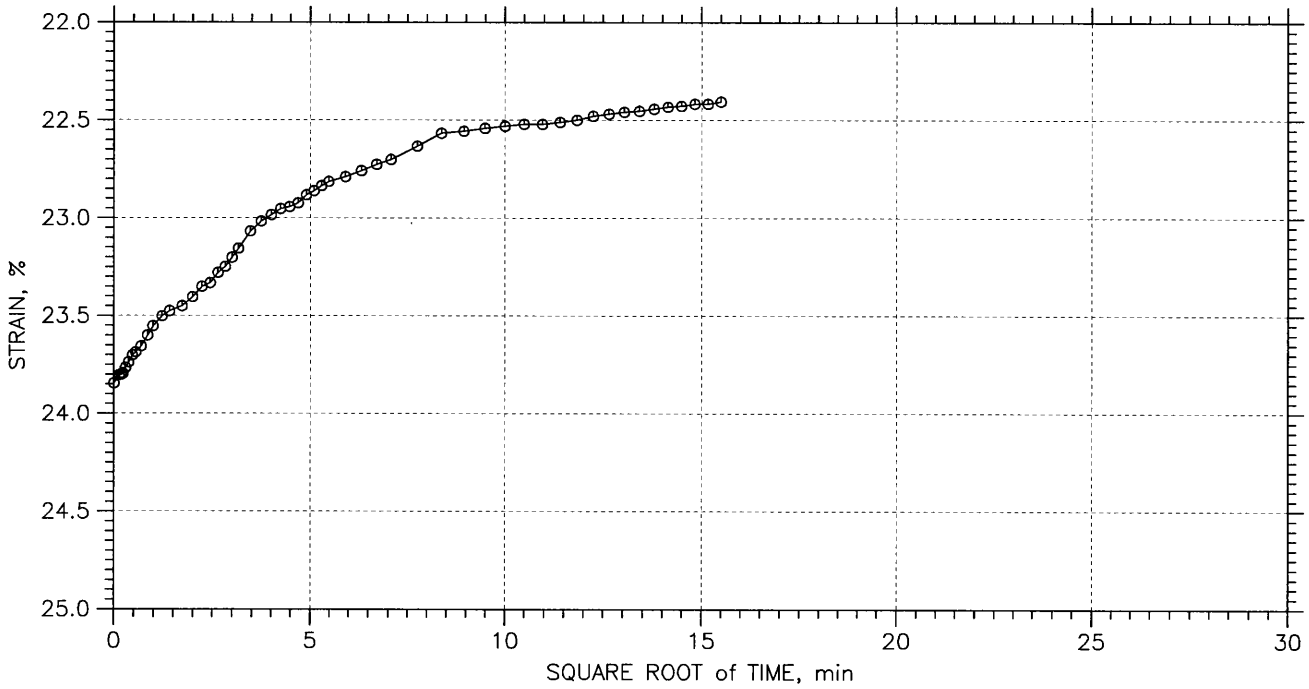
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 12 of 12

Stress: 0.5 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System 0		

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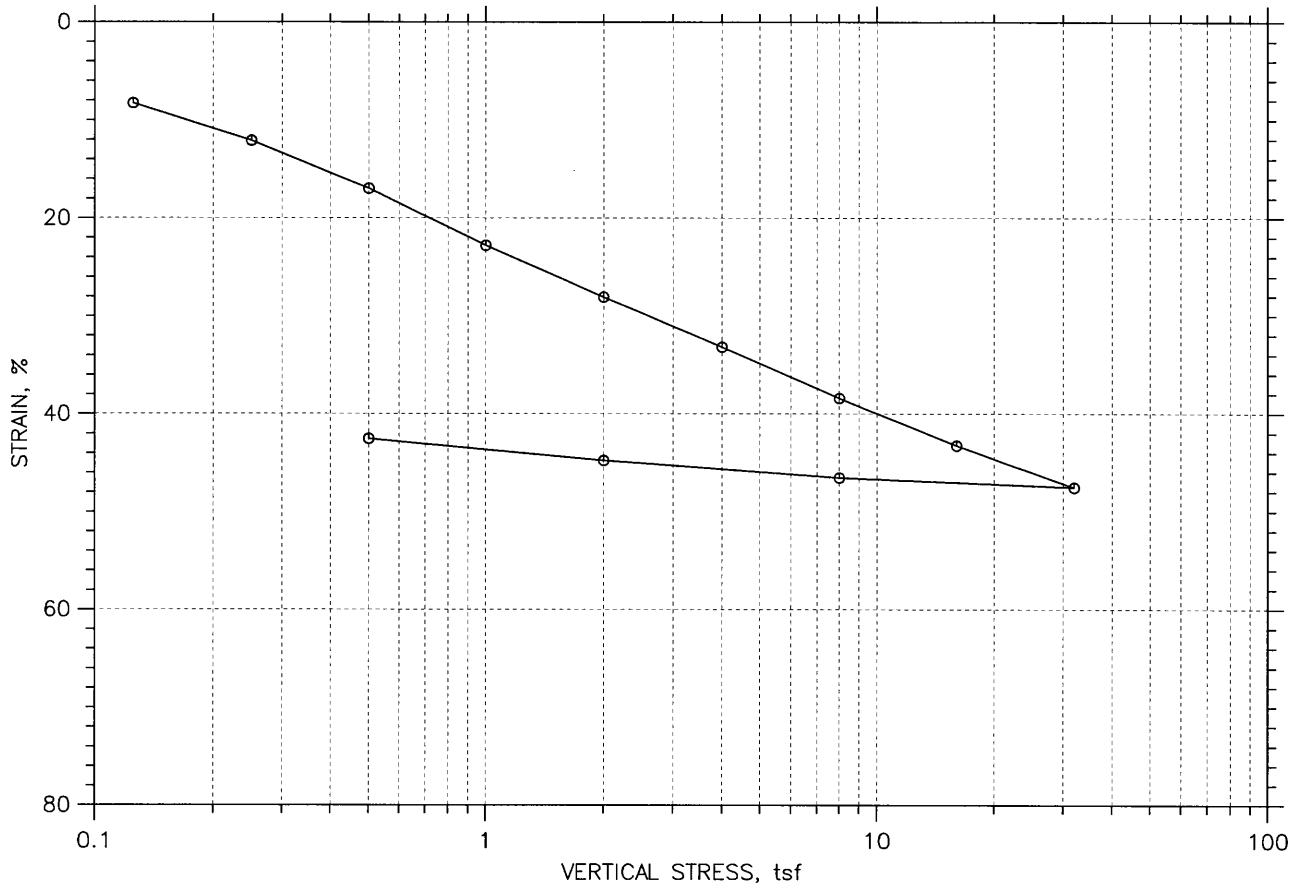
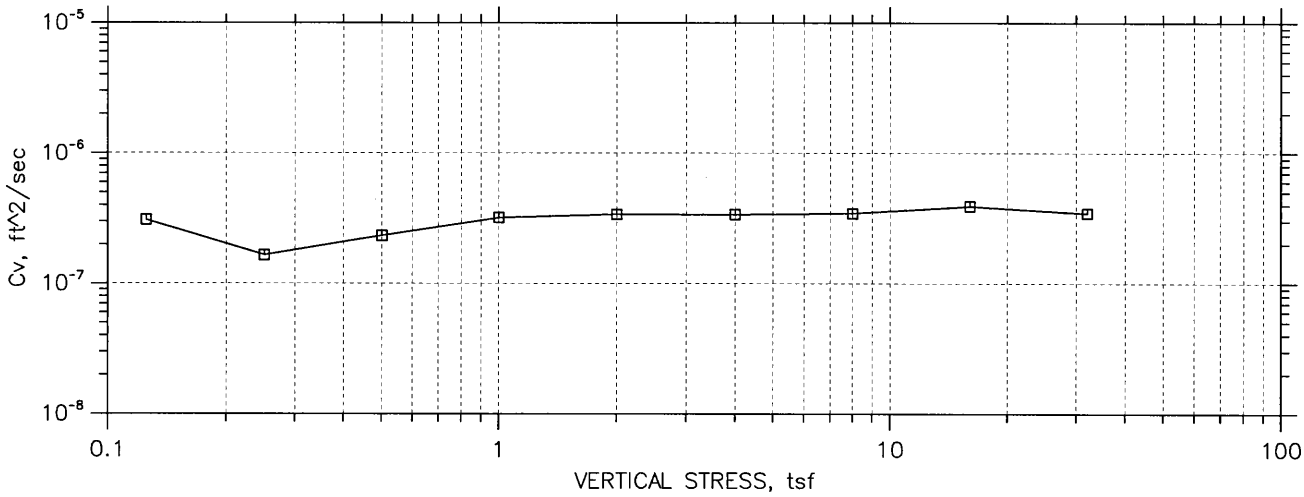
One-Dimensional Consolidation by ASTM D 2435 - Method B

SUMMARY REPORT





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		
	Displacement at End of Increment		

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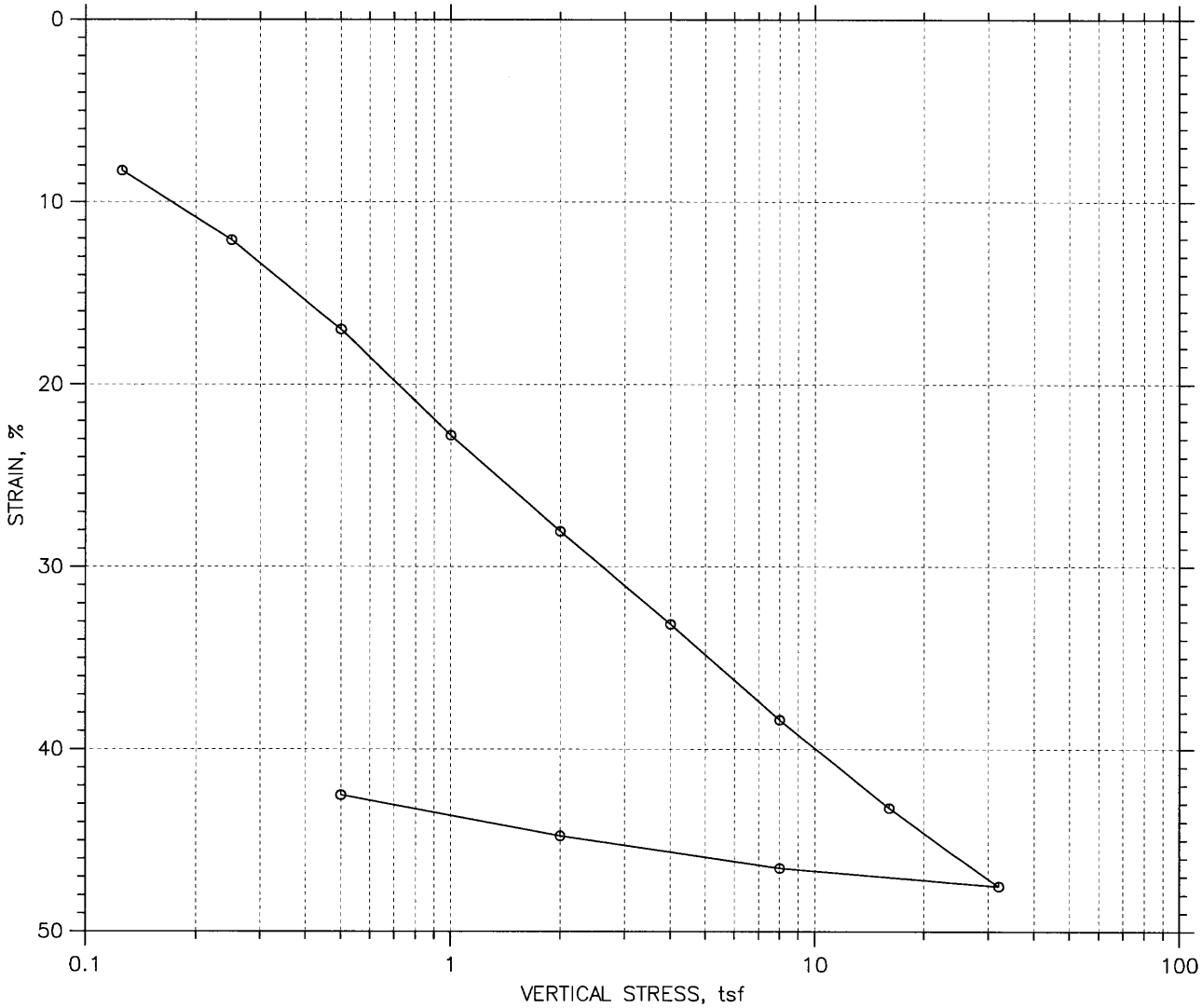
One-Dimensional Consolidation by ASTM D 2435 - Method B

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	82.34	33.55
Preconsolidation Pressure: ---				Dry Unit Weight, pcf	52.556	89.533
Compression Index: ---				Saturation, %	99.68	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	2.28	0.93
LL: 86	PL: 34	PI: 52	GS: 2.76			

GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		
	Displacement at End of Increment		

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One-Dimensional Consolidation by ASTM D 2435 - Method B

Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
Boring No.: B-11	Tested By: md	Checked By: jdt
Sample No.: UD-1	Test Date: 6/04/12	Depth: 27-29 ft
Test No.: IP-3	Sample Type: intact	Elevation: ---

Soil Description: Moist, very dark grayish brown clay
Remarks: System U

Estimated Specific Gravity: 2.76	Liquid Limit: 86	Specimen Diameter: 2.50 in
Initial Void Ratio: 2.28	Plastic Limit: 34	Initial Height: 1.00 in
Final Void Ratio: 0.927	Plasticity Index: 52	Final Height: 0.59 in

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	8243	RING		9690
Wt. Container + Wet Soil, gm	132.06	235.99	202.95	99.250
Wt. Container + Dry Soil, gm	78.380	180.23	180.23	76.200
Wt. Container, gm	8.3000	112.51	112.51	7.5000
Wt. Dry Soil, gm	70.080	67.719	67.719	68.700
Water Content, %	76.60	82.34	33.55	33.55
Void Ratio	---	2.28	0.927	---
Degree of Saturation, %	---	99.68	100.00	---
Dry Unit Weight, pcf	---	52.556	89.533	---

Note: Specific Gravity and Void Ratios are calculated assuming the degree of saturation equals 100% at the end of the test. Therefore, values may not represent actual values for the specimen.

One-Dimensional Consolidation by ASTM D 2435 - Method B

Project: 551 W. 21st Street
Boring No.: B-11
Sample No.: UD-1
Test No.: IP-3

Location: Manhatten, NY
Tested By: md
Test Date: 6/04/12
Sample Type: intact

Project No.: GTX-11889
Checked By: jdt
Depth: 27-29 ft
Elevation: ---

Soil Description: Moist, very dark grayish brown clay
Remarks: System U
Displacement at End of Increment

	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	Sq.Rt T90 min	Cv ft^2/sec	Mv 1/tsf	k ft/day
1	0.125	0.08283	2.01	8.28	69.044	3.27e-007	6.63e-001	5.84e-004
2	0.250	0.1209	1.89	12.1	108.854	1.82e-007	3.05e-001	1.49e-004
3	0.500	0.1698	1.73	17.0	76.526	2.34e-007	1.95e-001	1.23e-004
4	1.00	0.2279	1.54	22.8	47.451	3.32e-007	1.16e-001	1.04e-004
5	2.00	0.2806	1.36	28.1	44.527	3.06e-007	5.27e-002	4.35e-005
6	4.00	0.3315	1.20	33.2	38.577	3.06e-007	2.55e-002	2.10e-005
7	8.00	0.3839	1.02	38.4	31.843	3.18e-007	1.31e-002	1.12e-005
8	16.0	0.4323	0.864	43.2	21.415	4.01e-007	6.05e-003	6.55e-006
9	32.0	0.4751	0.724	47.5	27.543	2.66e-007	2.68e-003	1.92e-006
10	8.00	0.4652	0.756	46.5	7.912	8.71e-007	4.13e-004	9.70e-007
11	2.00	0.4476	0.814	44.8	39.481	1.84e-007	2.94e-003	1.46e-006
12	0.500	0.4252	0.887	42.5	128.129	6.08e-008	1.49e-002	2.44e-006

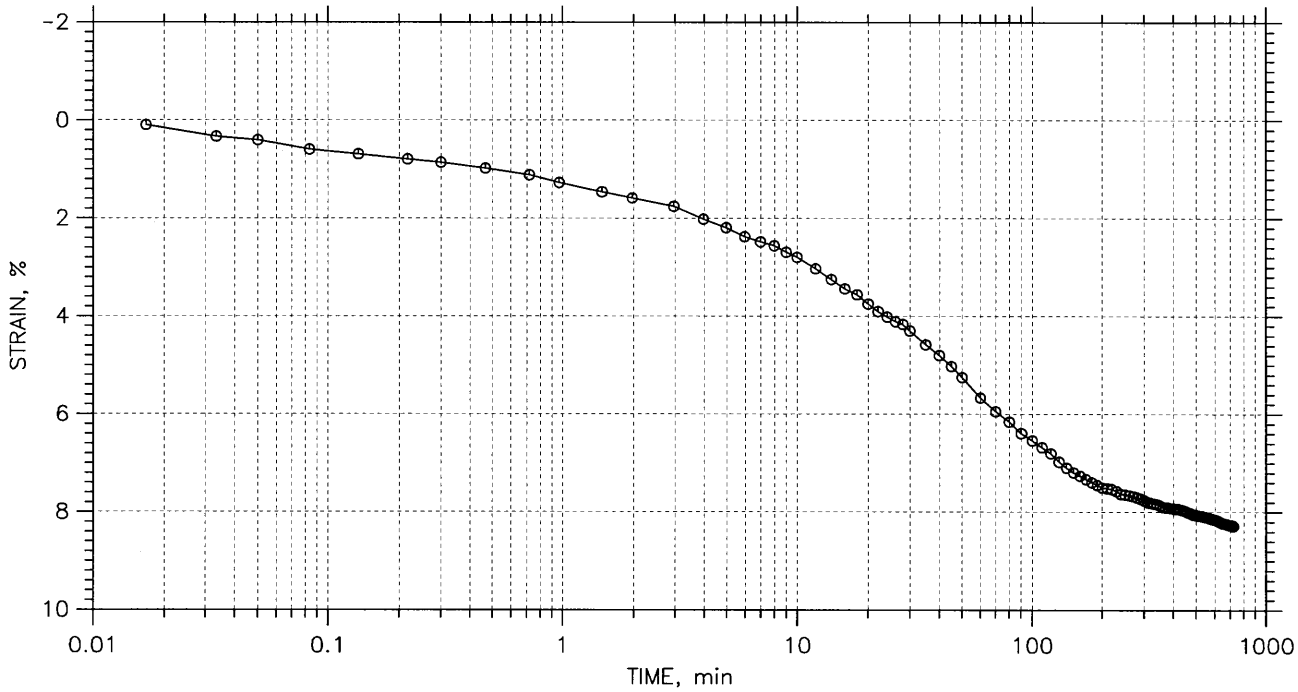
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	Log T50 min	Cv ft^2/sec	Mv 1/tsf	k ft/day	Ca %
1	0.125	0.08283	2.01	8.28	0.000	0.00e+000	6.63e-001	0.00e+000	0.00e+000
2	0.250	0.1209	1.89	12.1	28.456	1.62e-007	3.05e-001	1.33e-004	0.00e+000
3	0.500	0.1698	1.73	17.0	17.933	2.32e-007	1.95e-001	1.22e-004	0.00e+000
4	1.00	0.2279	1.54	22.8	11.632	3.15e-007	1.16e-001	9.86e-005	0.00e+000
5	2.00	0.2806	1.36	28.1	9.113	3.48e-007	5.27e-002	4.94e-005	0.00e+000
6	4.00	0.3315	1.20	33.2	7.953	3.45e-007	2.55e-002	2.37e-005	0.00e+000
7	8.00	0.3839	1.02	38.4	6.651	3.54e-007	1.31e-002	1.25e-005	0.00e+000
8	16.0	0.4323	0.864	43.2	5.624	3.55e-007	6.05e-003	5.79e-006	0.00e+000
9	32.0	0.4751	0.724	47.5	4.779	3.56e-007	2.68e-003	2.57e-006	0.00e+000
10	8.00	0.4652	0.756	46.5	0.000	0.00e+000	4.13e-004	0.00e+000	0.00e+000
11	2.00	0.4476	0.814	44.8	0.000	0.00e+000	2.94e-003	0.00e+000	0.00e+000
12	0.500	0.4252	0.887	42.5	0.000	0.00e+000	1.49e-002	0.00e+000	0.00e+000

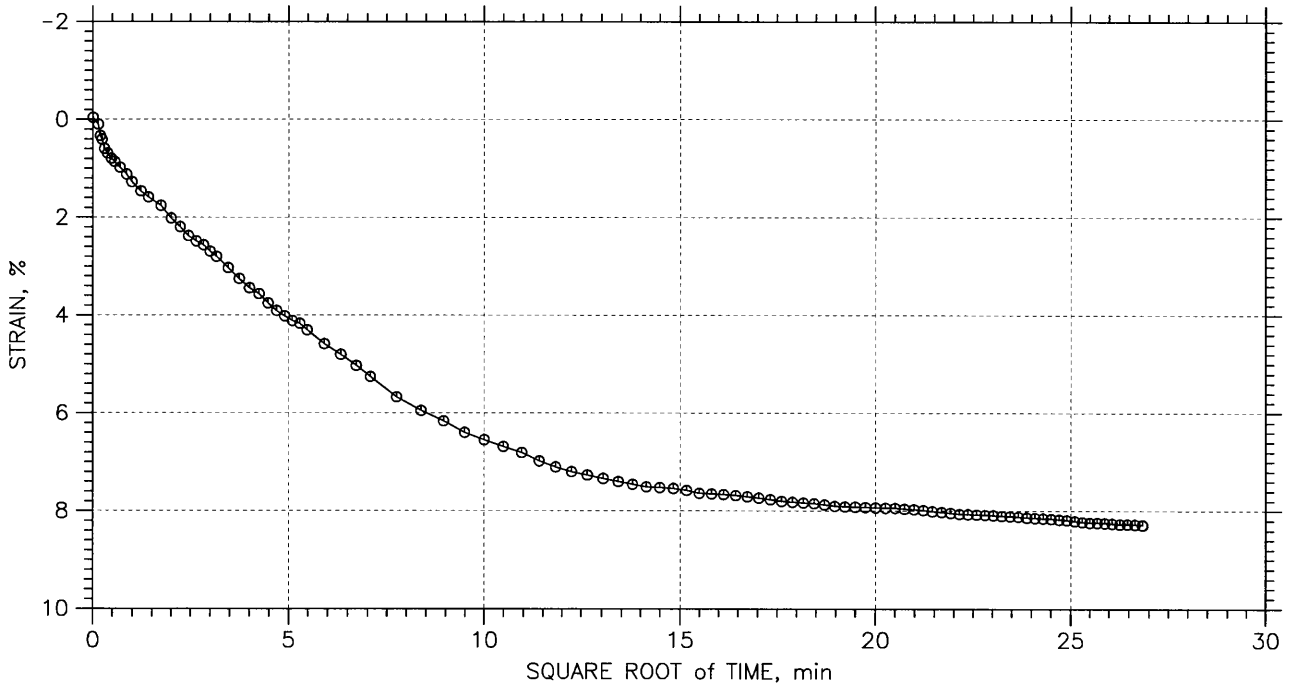
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 1 of 12

Stress: 0.125 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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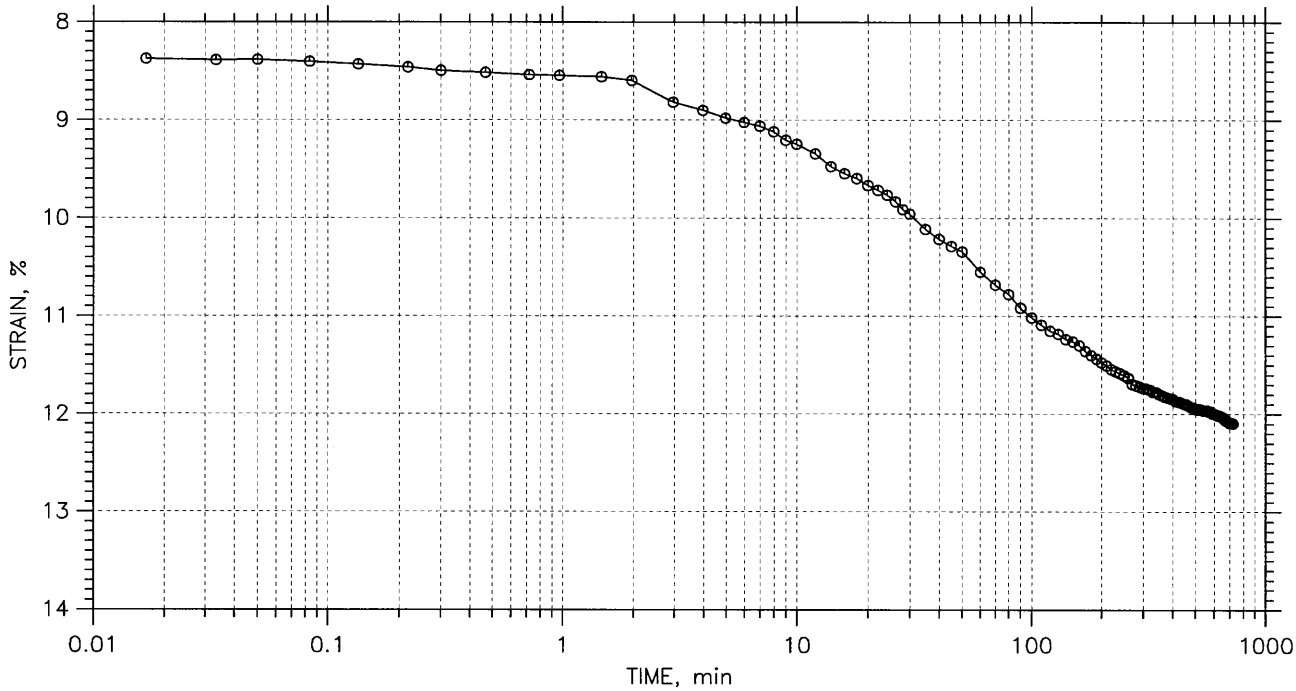
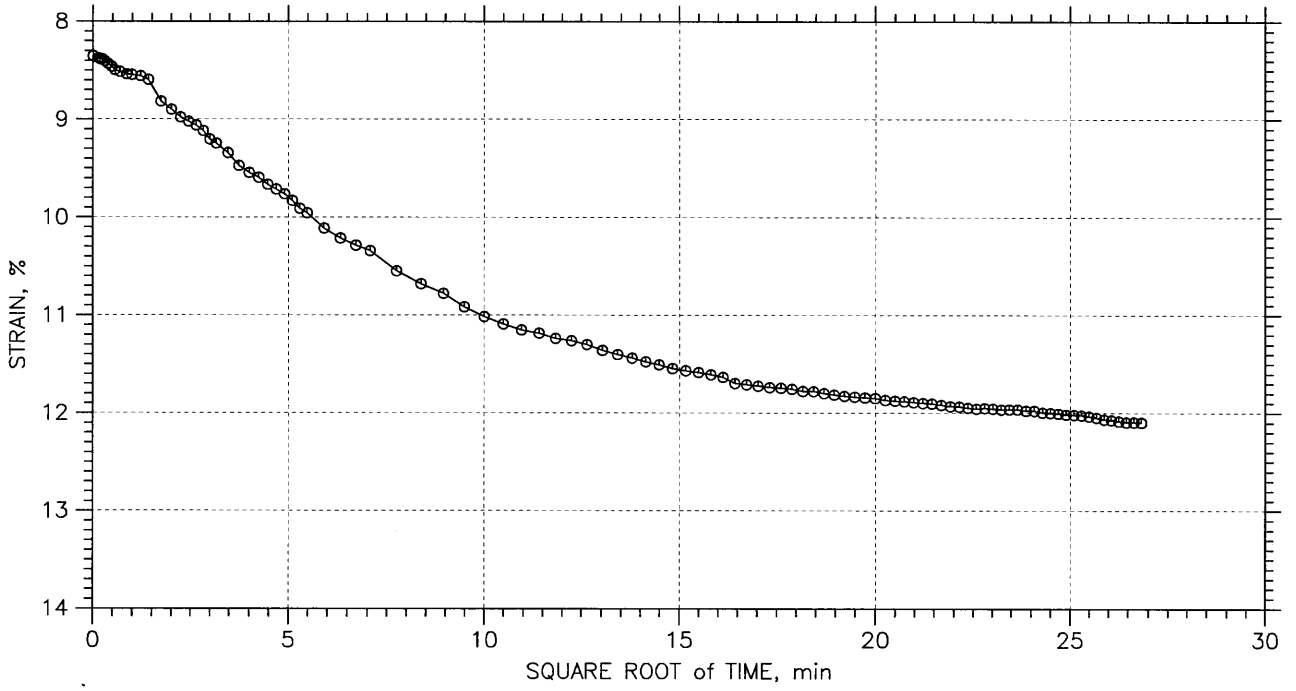
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 2 of 12

Stress: 0.25 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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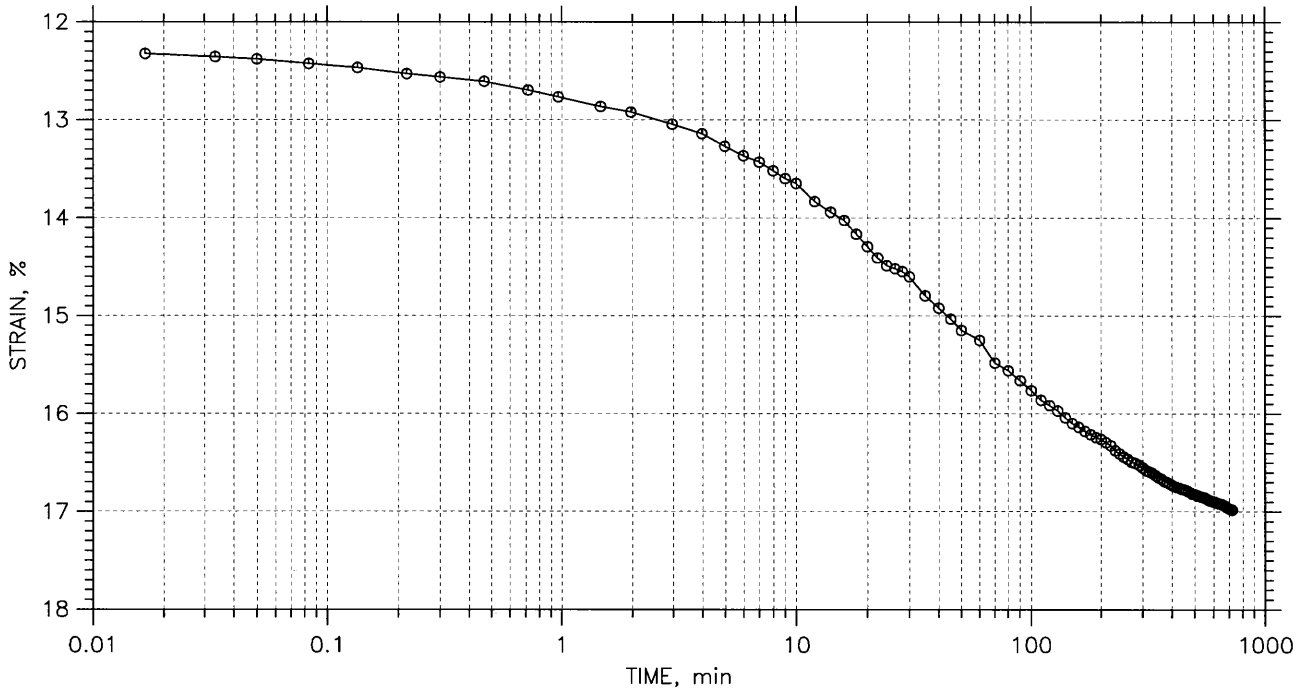
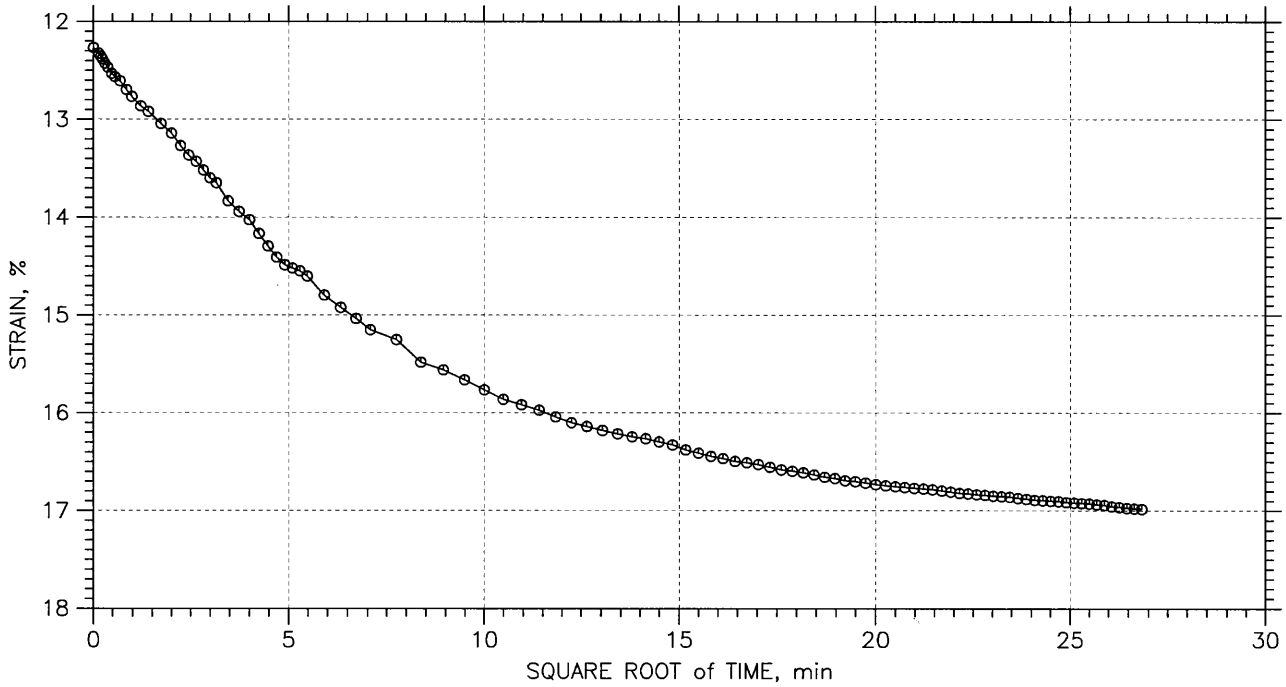
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 3 of 12

Stress: 0.5 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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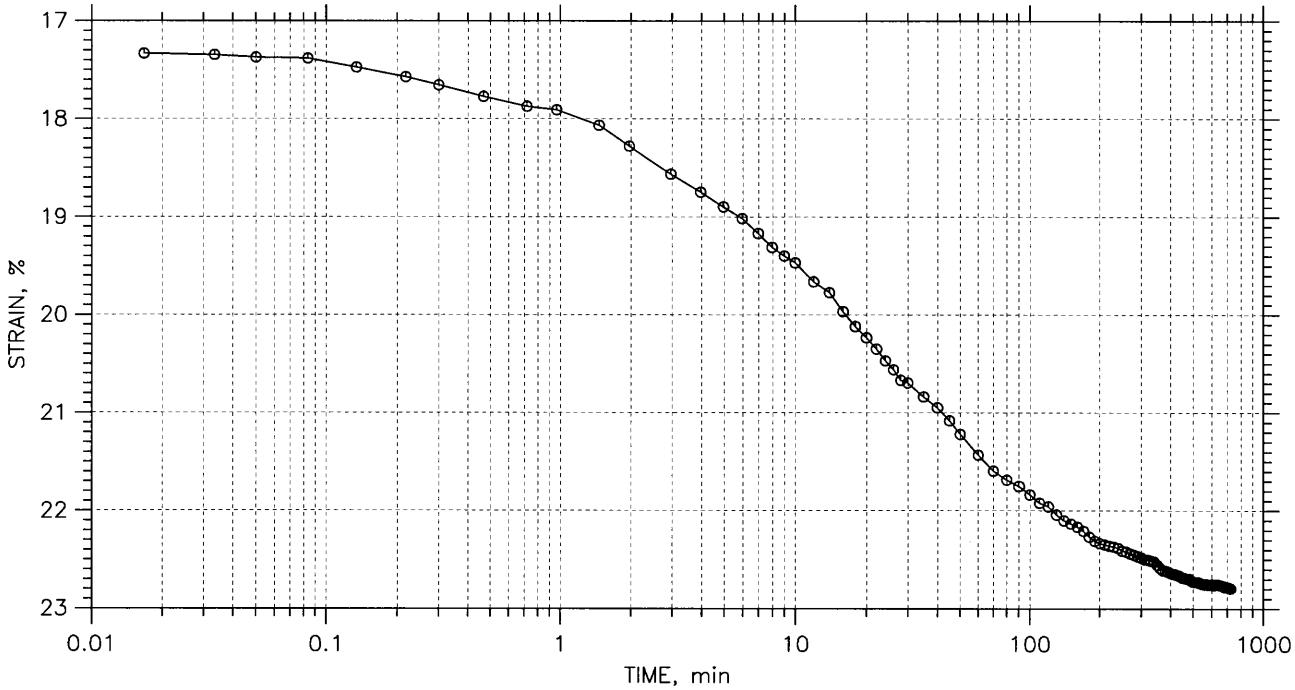
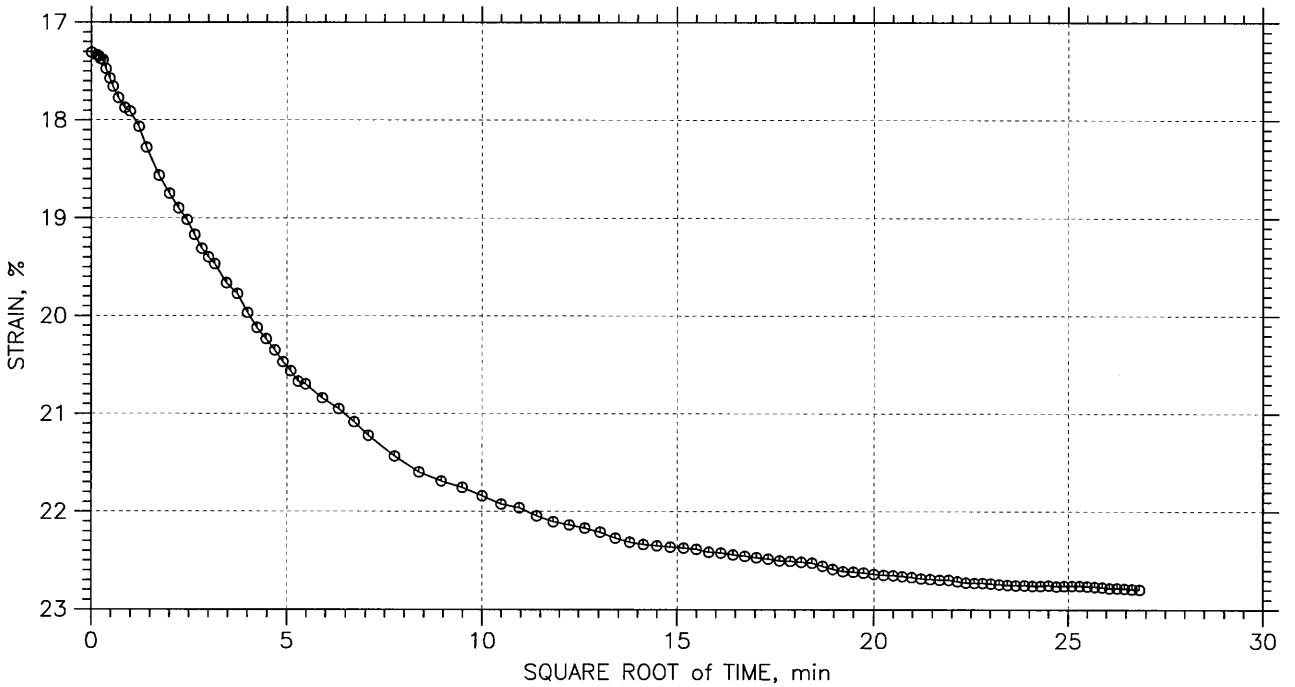
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 4 of 12

Stress: 1 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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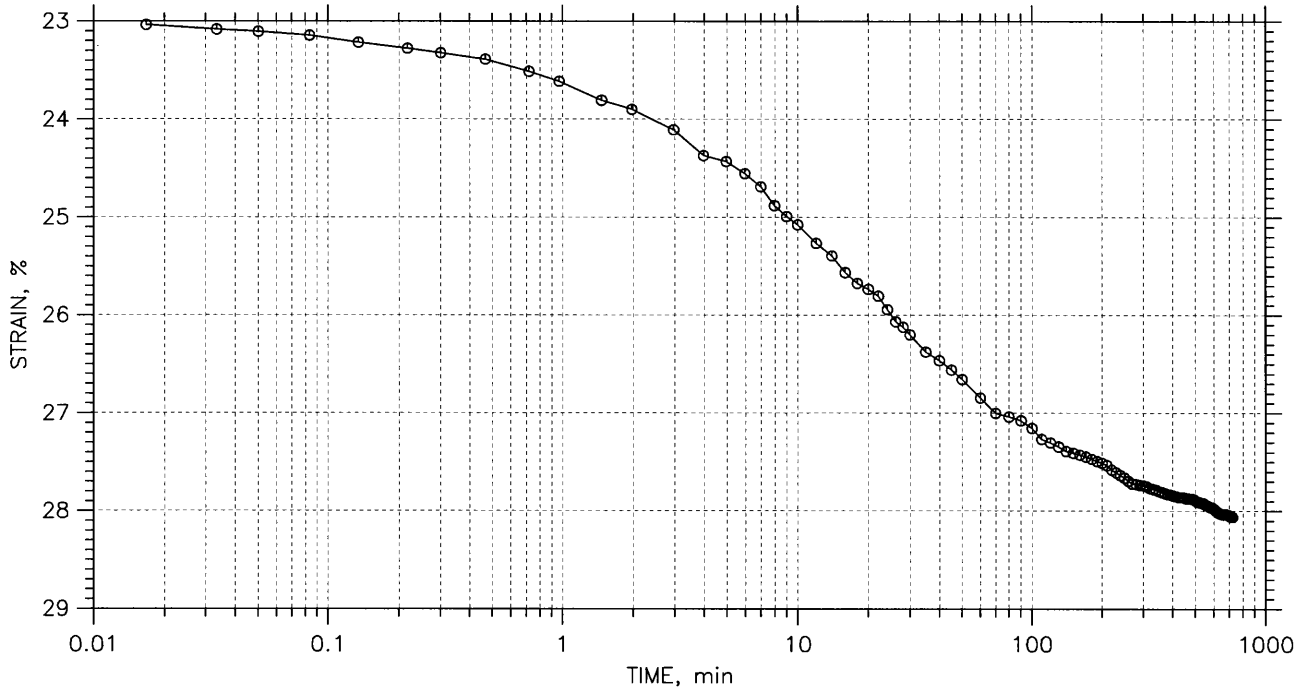
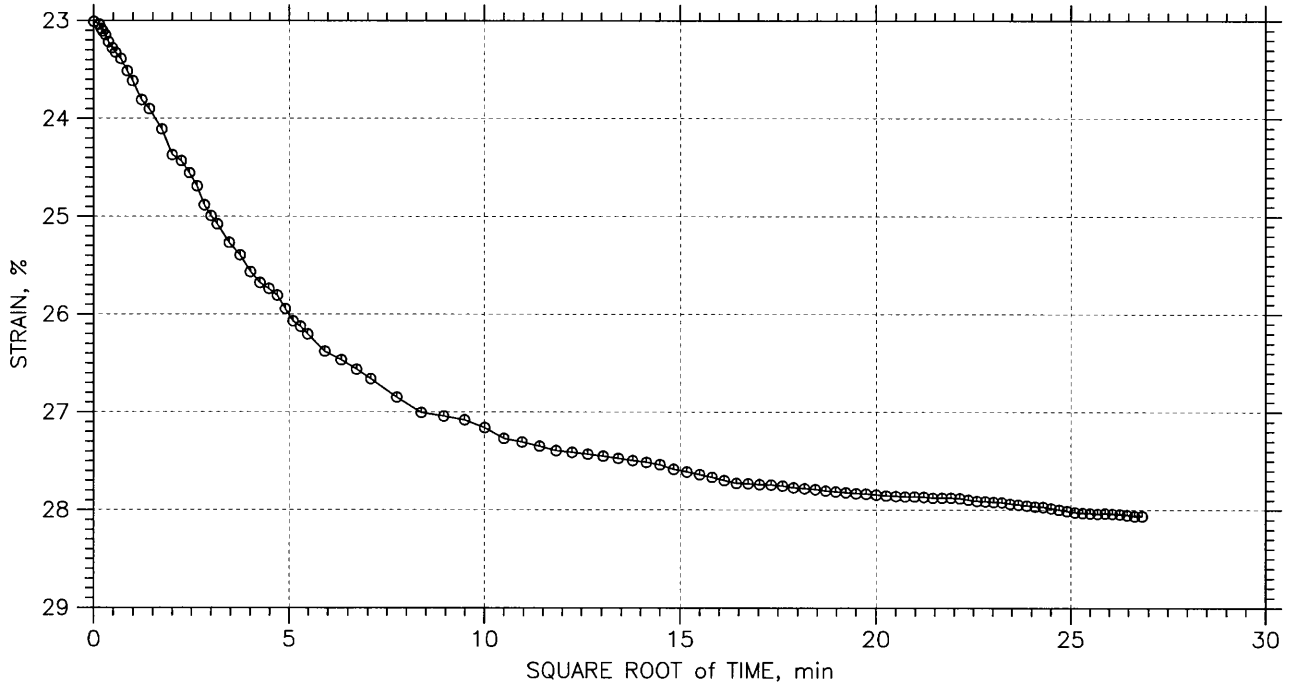
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 5 of 12

Stress: 2 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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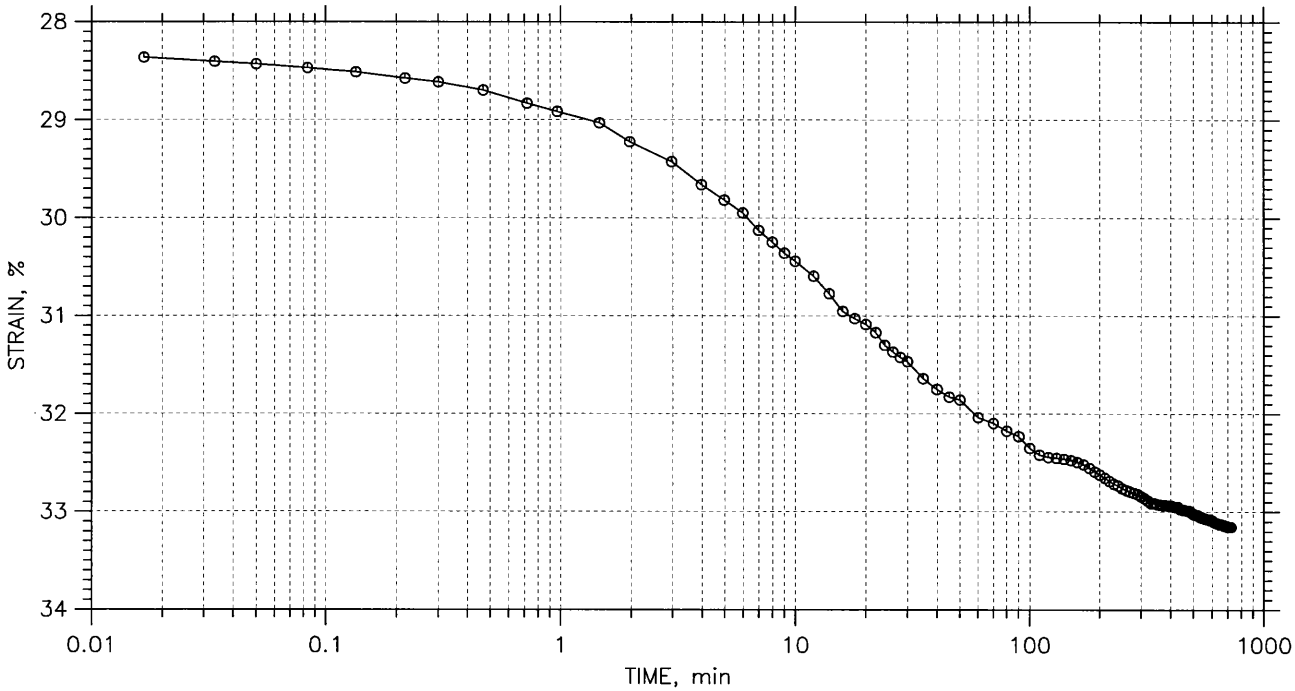
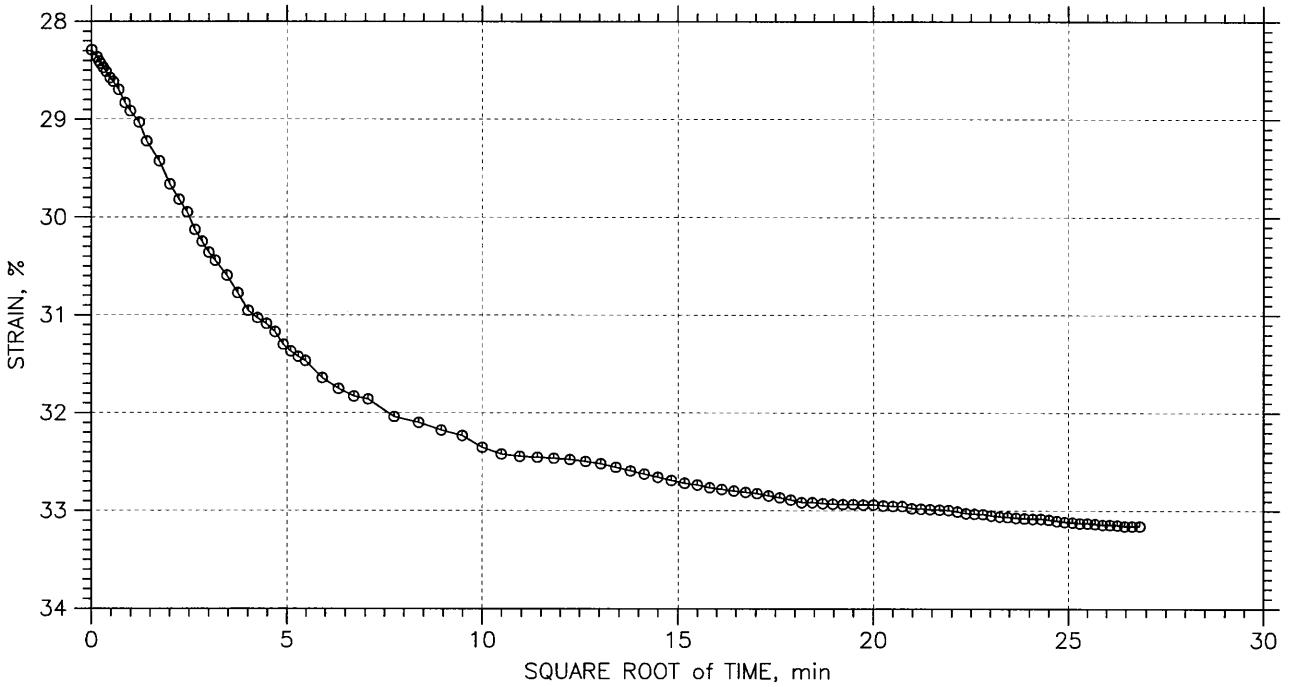
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 6 of 12

Stress: 4 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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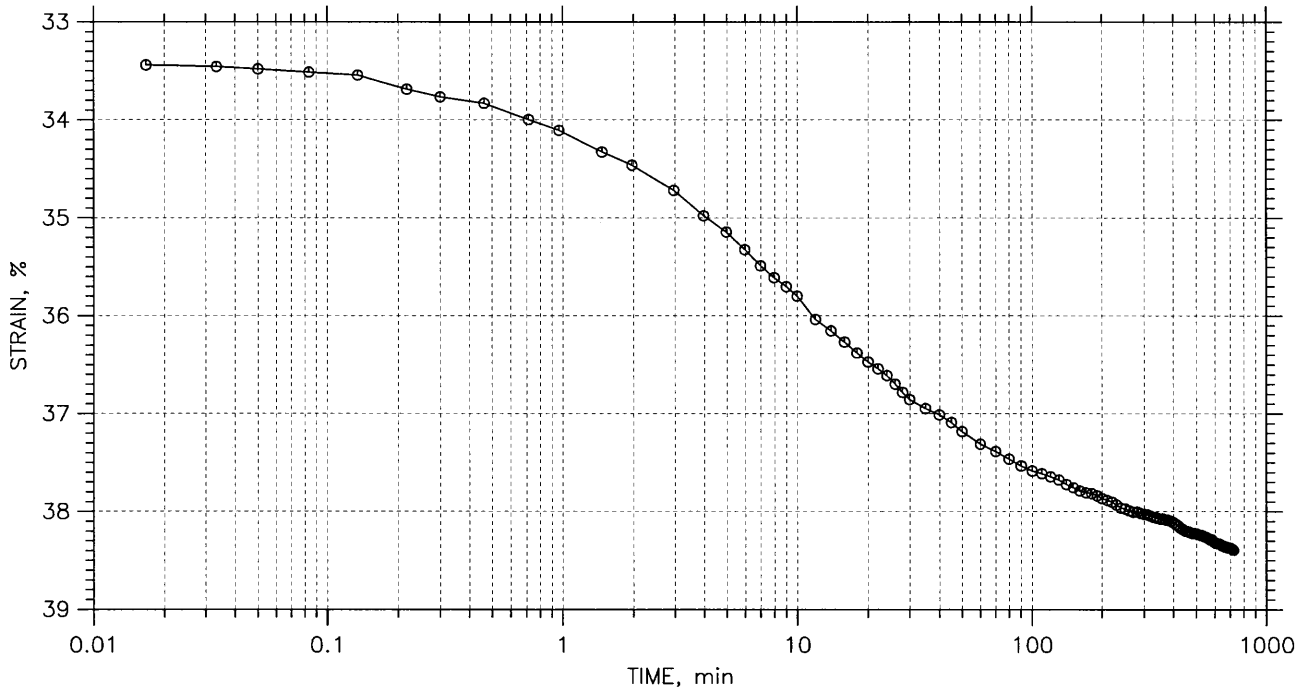
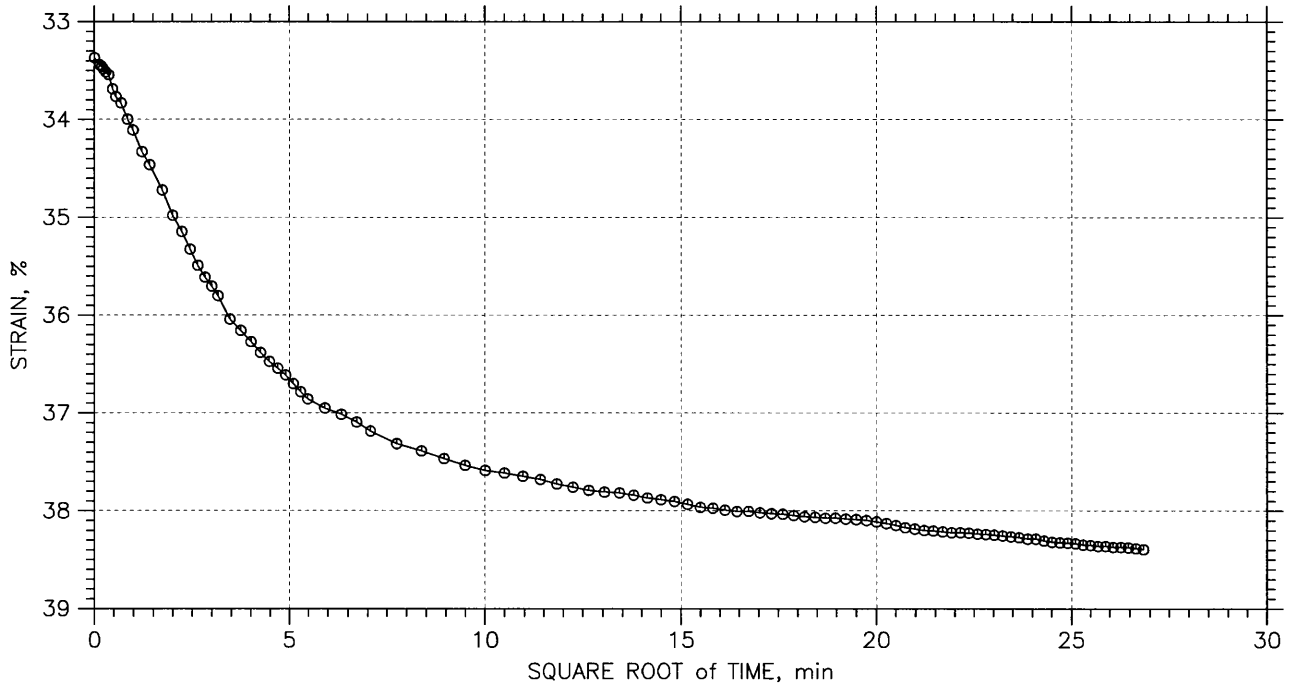
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 7 of 12

Stress: 8 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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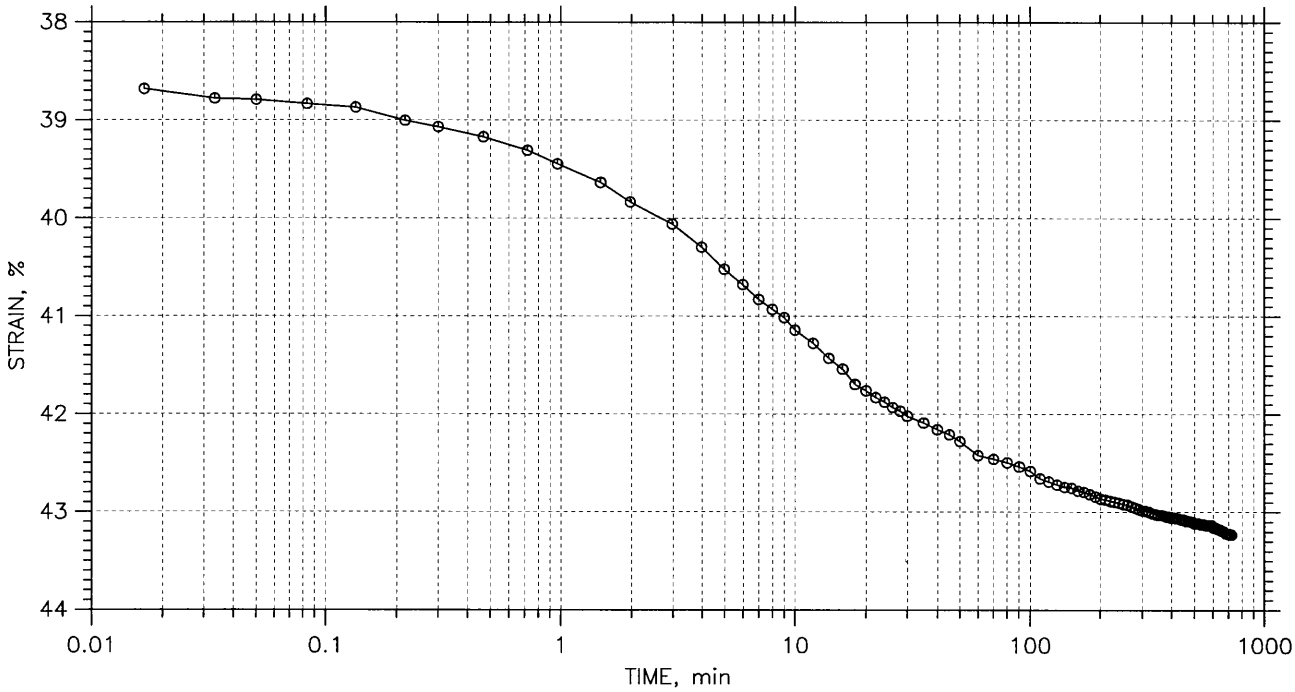
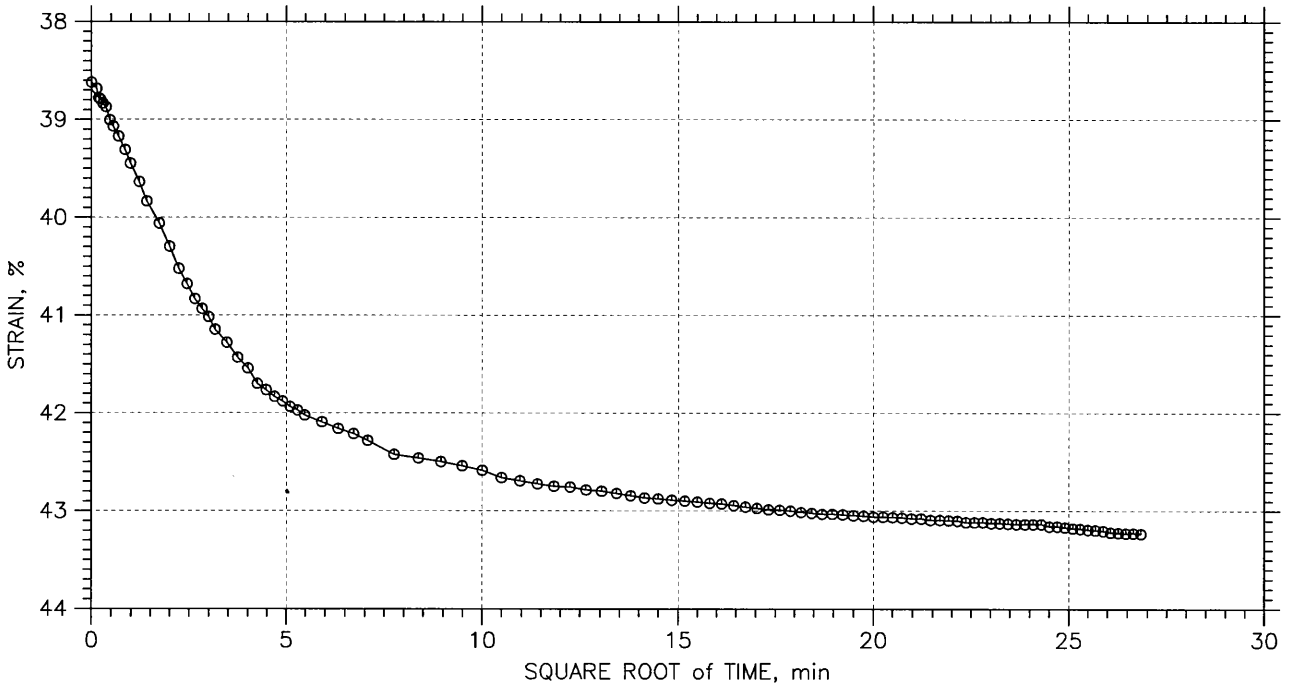
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 8 of 12

Stress: 16 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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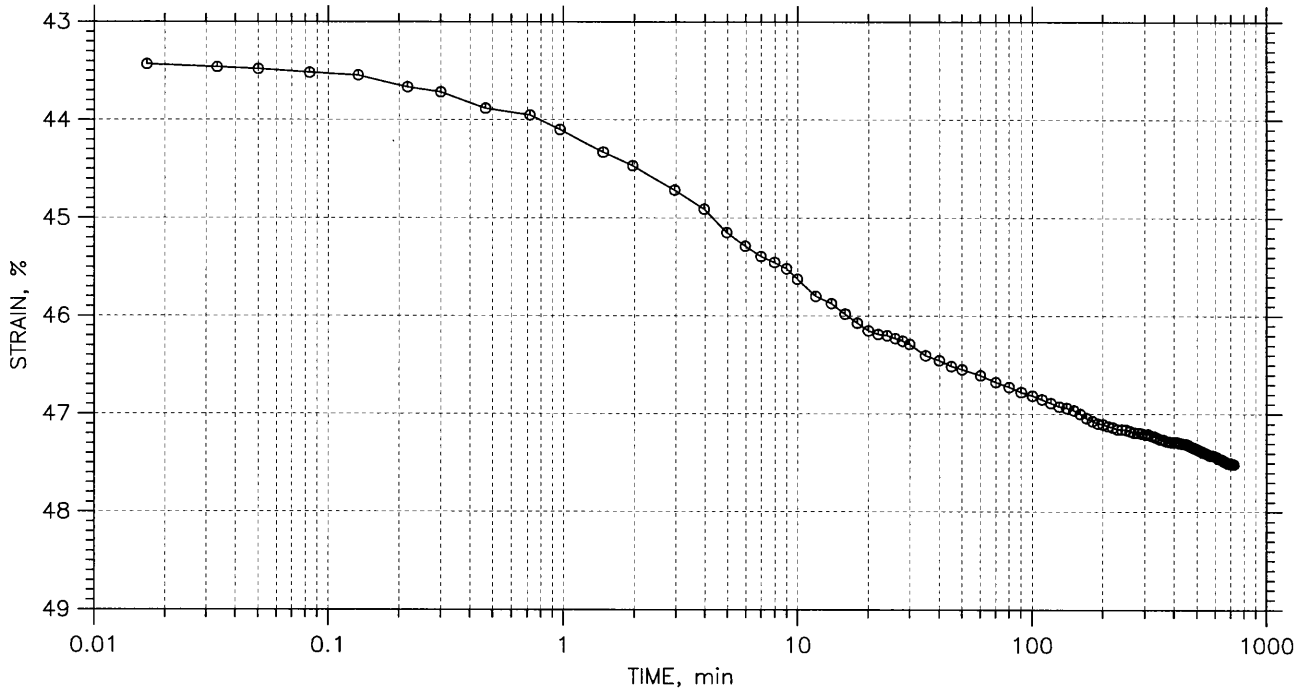
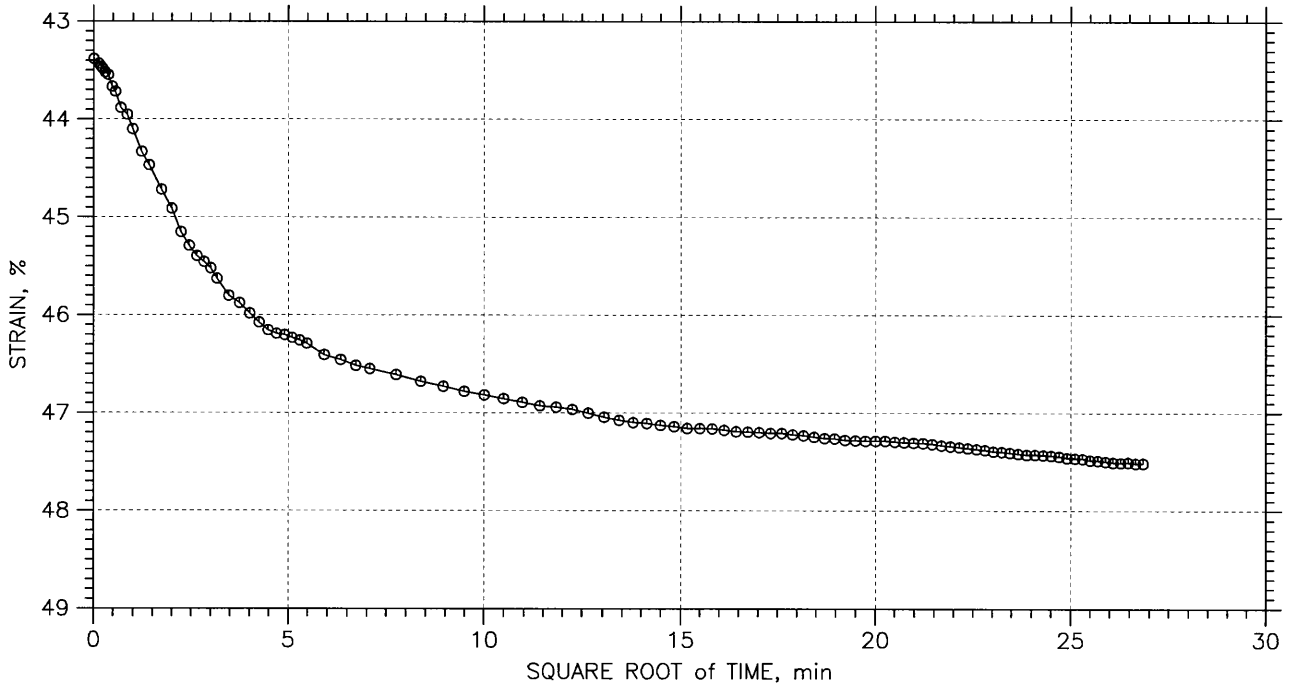
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 9 of 12

Stress: 32 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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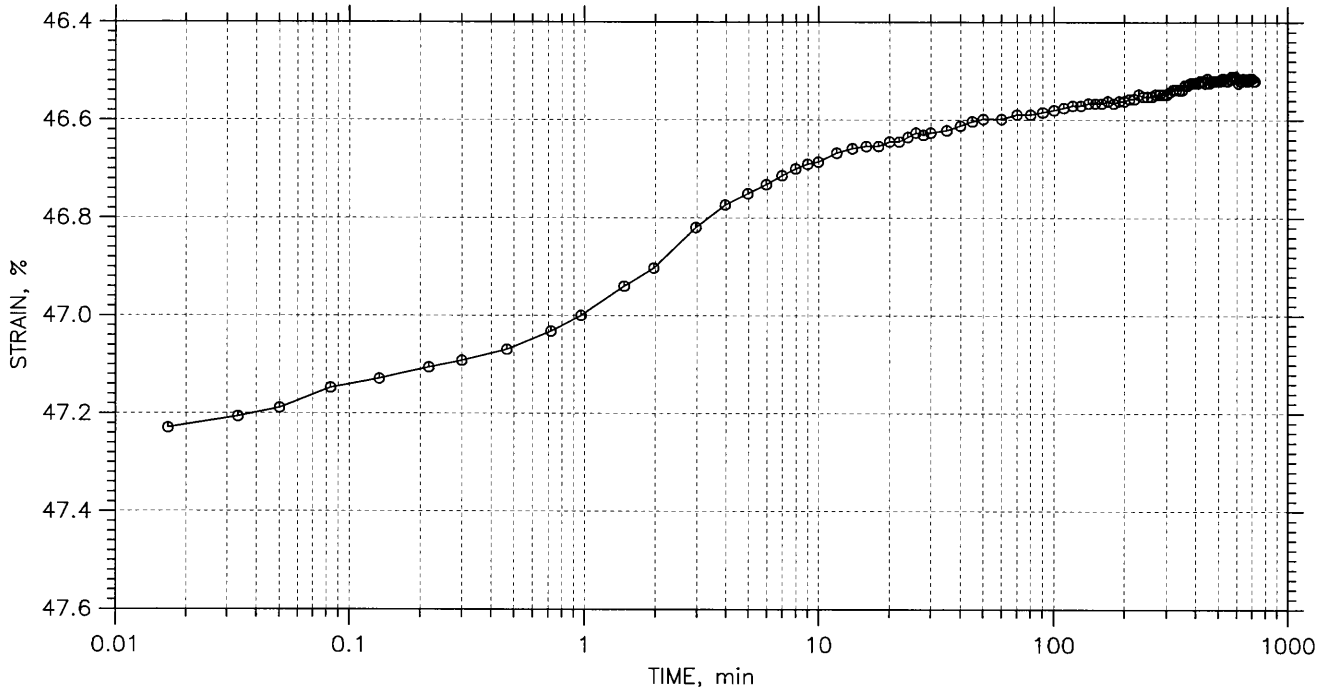
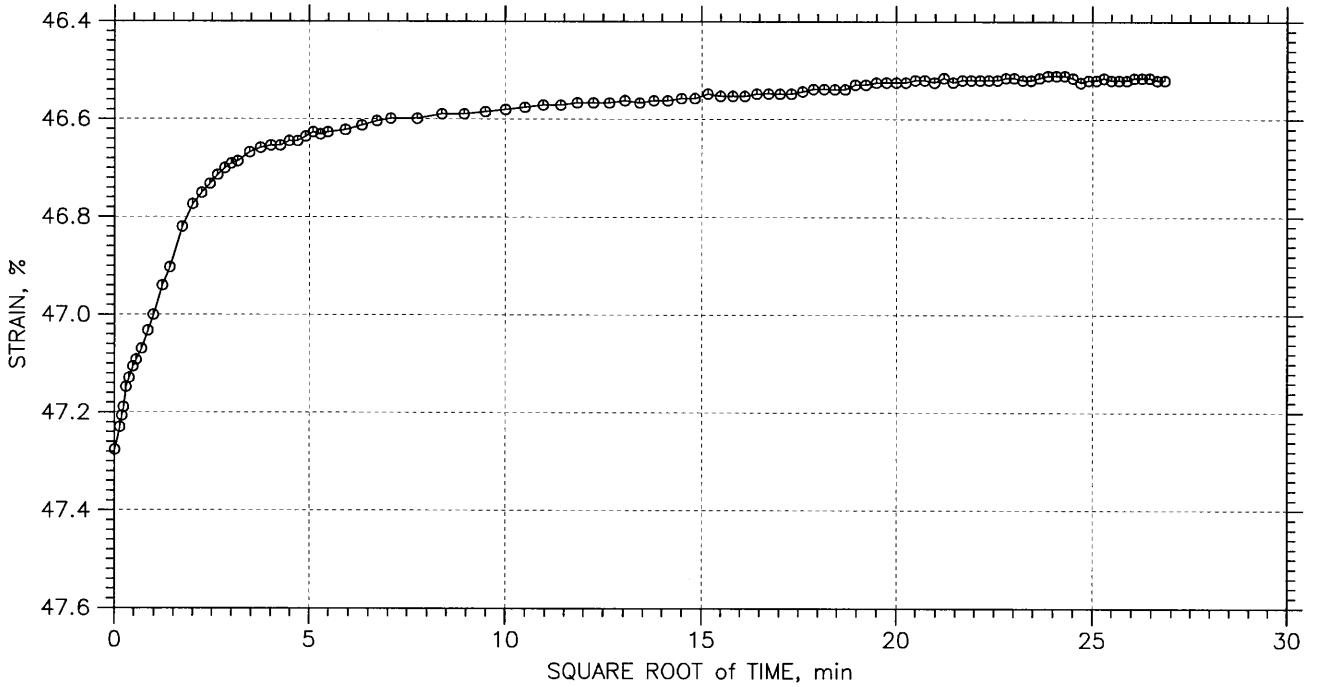
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 10 of 12

Stress: 8 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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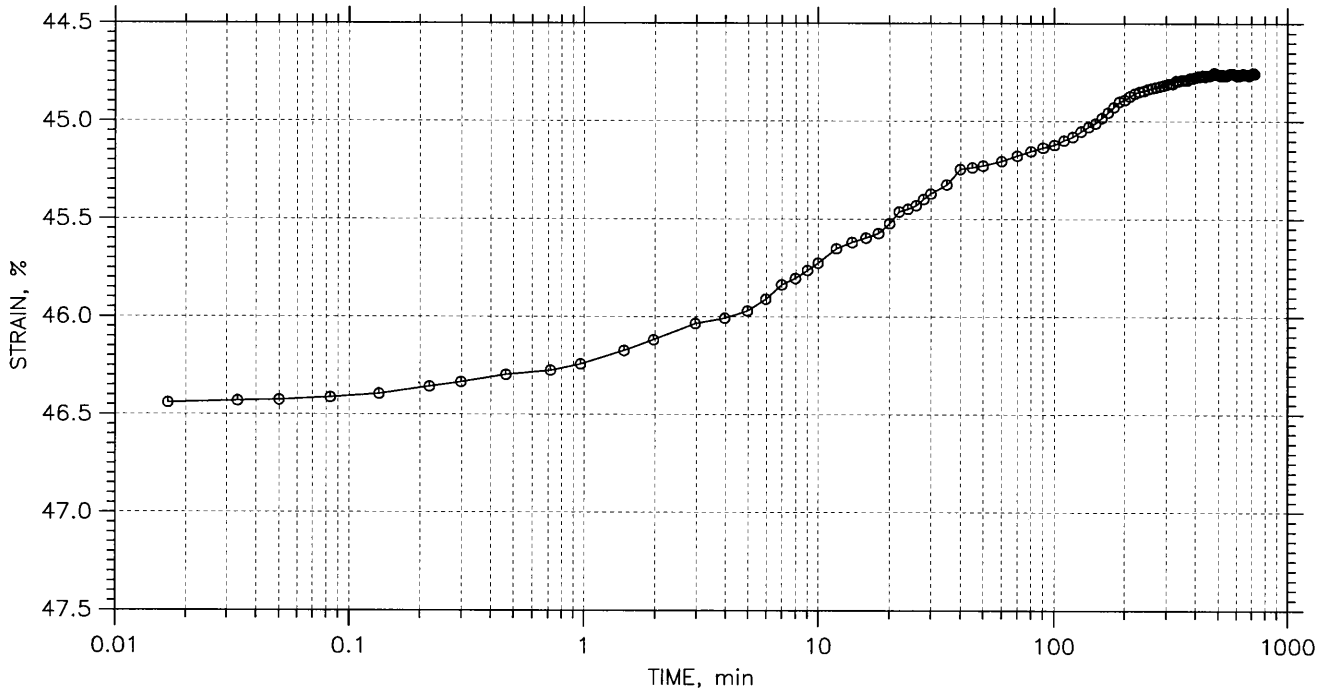
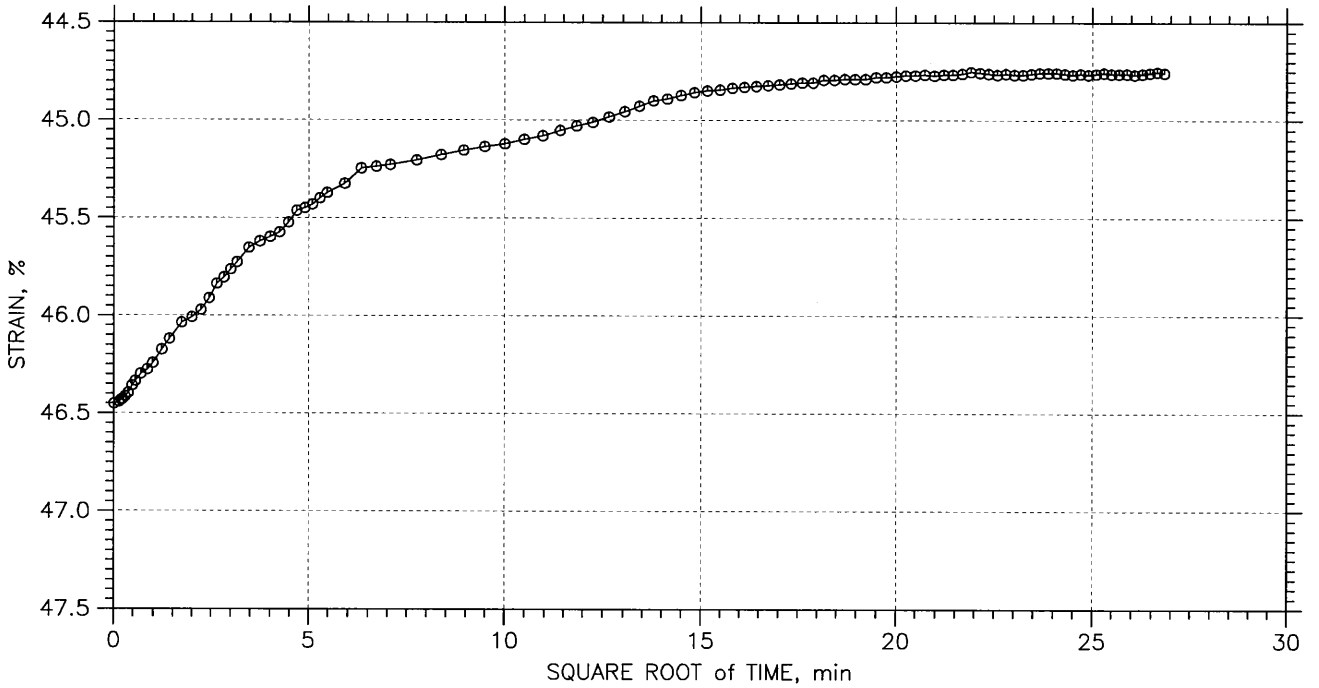
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 11 of 12

Stress: 2 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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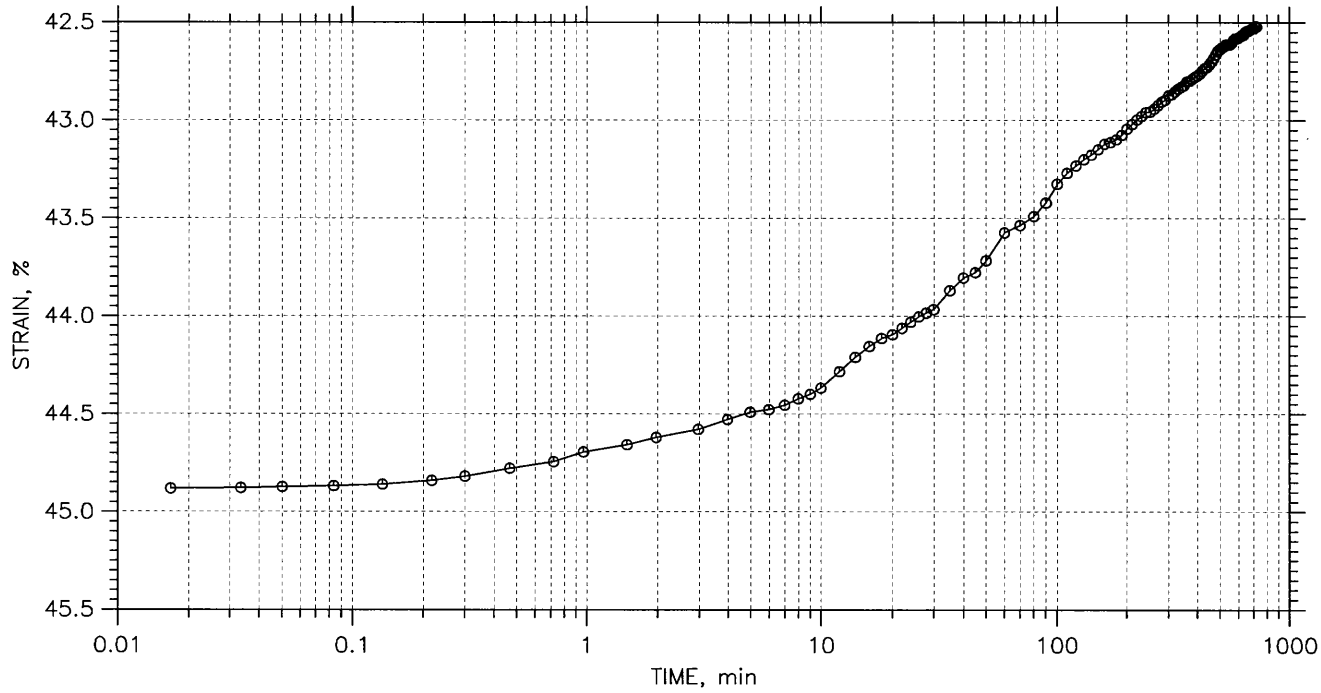
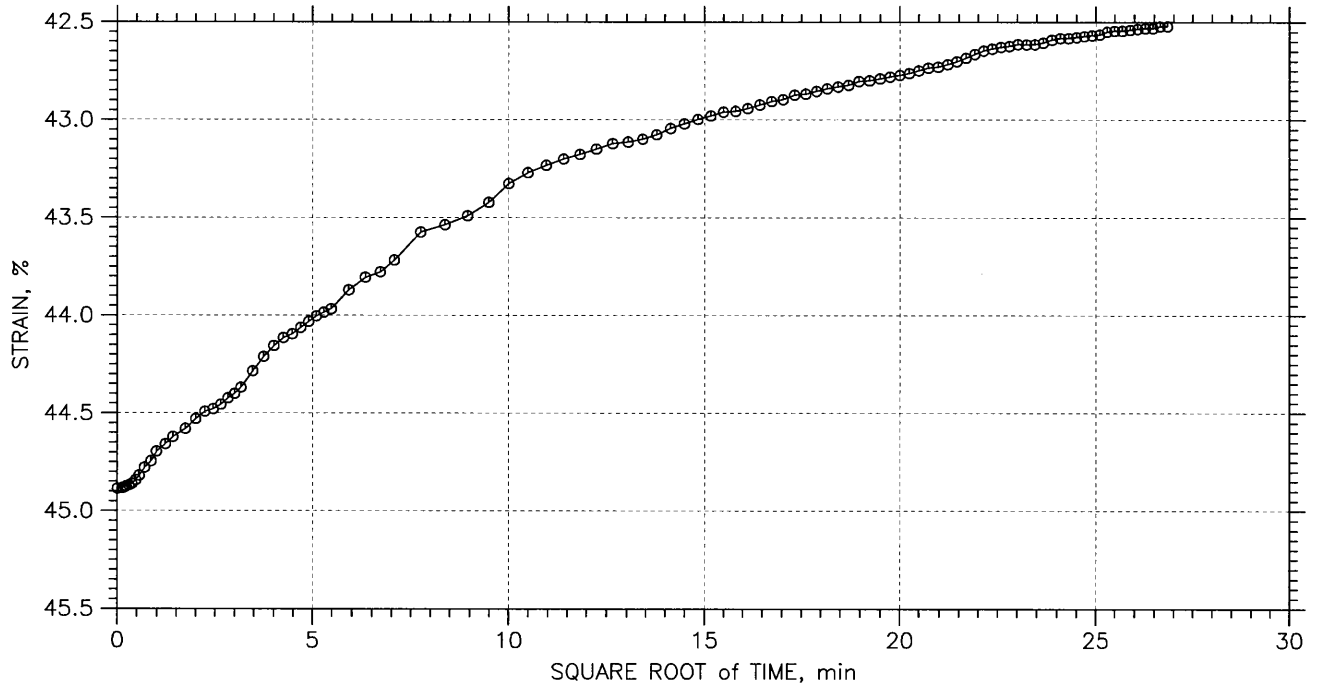
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 12 of 12

Stress: 0.5 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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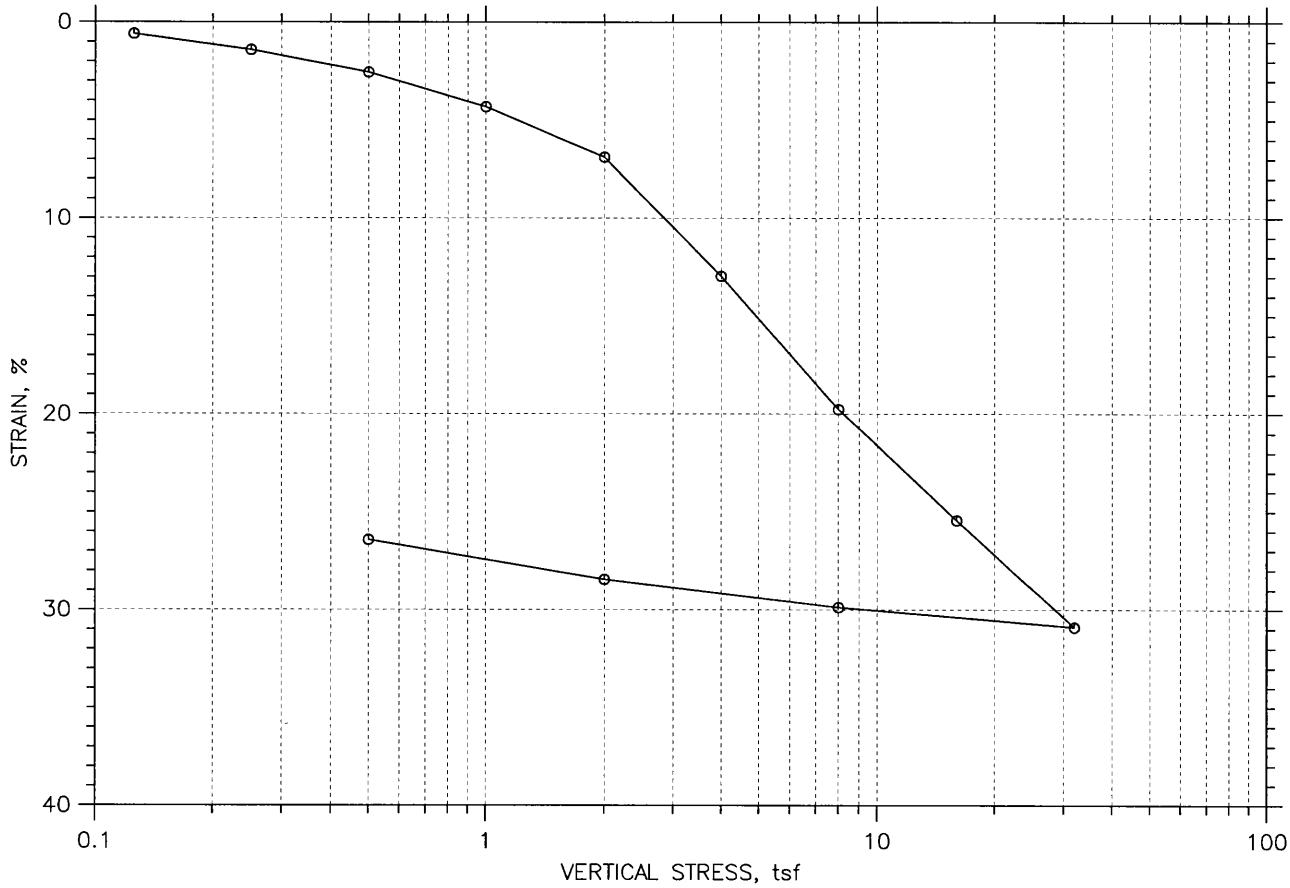
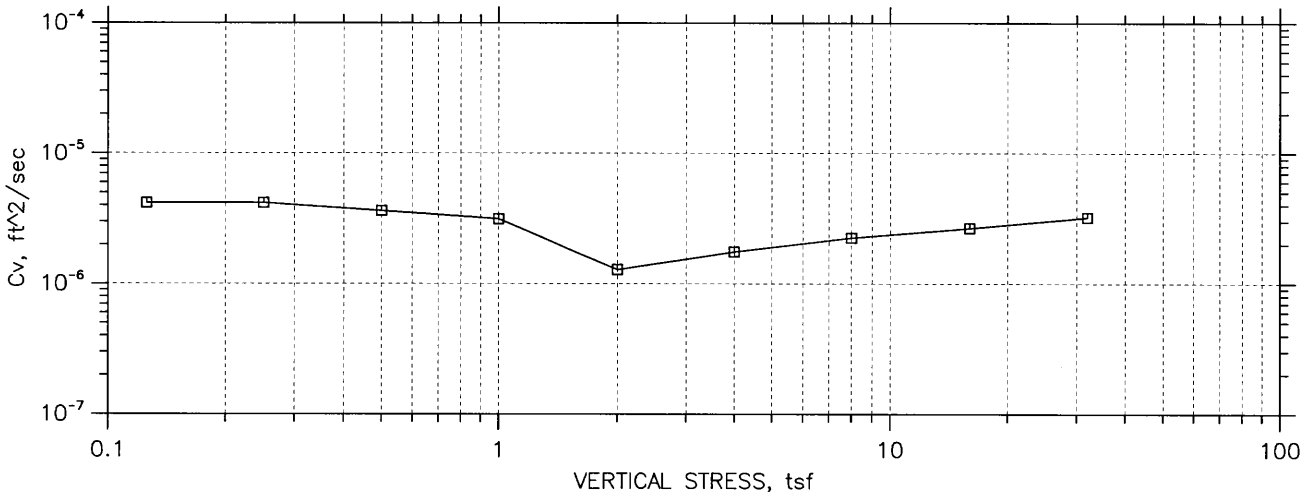
One-Dimensional Consolidation by ASTM D 2435 - Method B

SUMMARY REPORT





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		
	Displacement at End of Increment		

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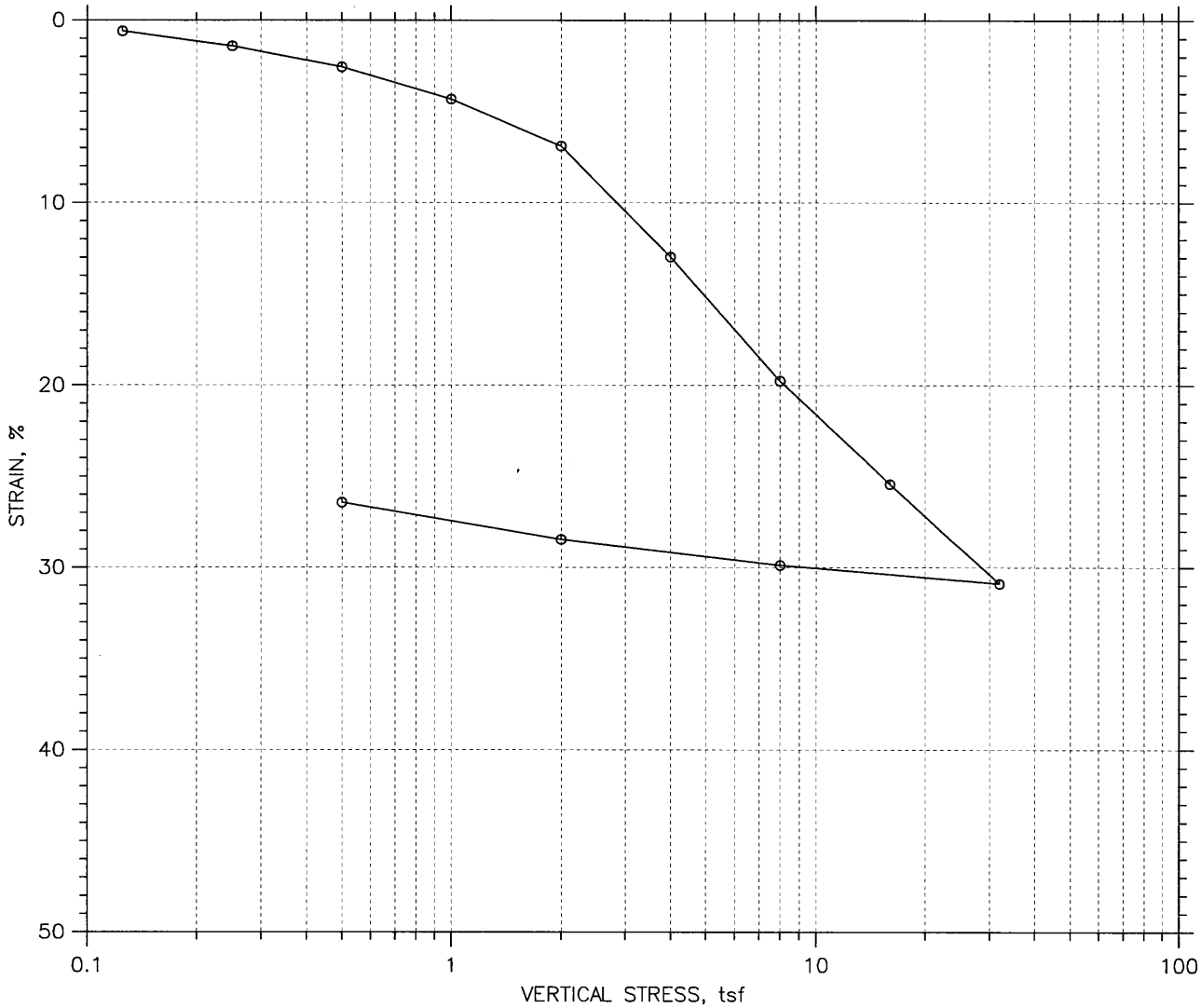
One-Dimensional Consolidation by ASTM D 2435 - Method B

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	54.73	31.71
Preconsolidation Pressure: ---				Dry Unit Weight, pcf	67.958	93.606
Compression Index: ---				Saturation, %	96.22	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.63	0.91
LL: 55	PL: 23	PI: 32	GS: 2.86			

GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		
	Displacement at End of Increment		

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One-Dimensional Consolidation by ASTM D 2435 - Method B

Project: 551 W. 21st Street
Boring No.: B-11
Sample No.: UD-3
Test No.: IP-1

Location: Manhatten, NY
Tested By: md
Test Date: 6/02/12
Sample Type: intact

Project No.: GTX-11889
Checked By: jdt
Depth: 40-42 ft
Elevation: ---

Soil Description: Moist, gray clay
Remarks: System U

Estimated Specific Gravity: 2.86
Initial Void Ratio: 1.63
Final Void Ratio: 0.906

Liquid Limit: 55
Plastic Limit: 23
Plasticity Index: 32

Specimen Diameter: 2.50 in
Initial Height: 1.00 in
Final Height: 0.73 in

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	8549	RING		8551
Wt. Container + Wet Soil, gm	143.81	244.66	224.50	123.35
Wt. Container + Dry Soil, gm	98.260	196.73	196.73	95.650
Wt. Container, gm	8.3100	109.17	109.17	8.2900
Wt. Dry Soil, gm	89.950	87.565	87.565	87.360
Water Content, %	50.64	54.73	31.71	31.71
Void Ratio	---	1.63	0.906	---
Degree of Saturation, %	---	96.22	100.00	---
Dry Unit Weight, pcf	---	67.958	93.606	---

Note: Specific Gravity and Void Ratios are calculated assuming the degree of saturation equals 100% at the end of the test. Therefore, values may not represent actual values for the specimen.

One-Dimensional Consolidation by ASTM D 2435 - Method B

Project: 551 W. 21st Street
Boring No.: B-11
Sample No.: UD-3
Test No.: IP-1

Location: Manhatten, NY
Tested By: md
Test Date: 6/02/12
Sample Type: intact

Project No.: GTX-11889
Checked By: jdt
Depth: 40-42 ft
Elevation: ---

Soil Description: Moist, gray clay
Remarks: System U
Displacement at End of Increment

	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	Sq.Rt T90 min	Cv ft^2/sec	Mv 1/tsf	k ft/day
1	0.125	0.005946	1.61	0.595	4.235	5.76e-006	4.76e-002	7.39e-004
2	0.250	0.01410	1.59	1.41	3.909	6.15e-006	6.52e-002	1.08e-003
3	0.500	0.02559	1.56	2.56	6.491	3.63e-006	4.60e-002	4.50e-004
4	1.00	0.04319	1.51	4.32	8.836	2.59e-006	3.52e-002	2.46e-004
5	2.00	0.06884	1.45	6.88	17.150	1.27e-006	2.56e-002	8.82e-005
6	4.00	0.1296	1.29	13.0	15.082	1.32e-006	3.04e-002	1.08e-004
7	8.00	0.1976	1.11	19.8	9.504	1.81e-006	1.70e-002	8.28e-005
8	16.0	0.2543	0.958	25.4	6.845	2.15e-006	7.09e-003	4.11e-005
9	32.0	0.3089	0.815	30.9	5.845	2.17e-006	3.41e-003	1.99e-005
10	8.00	0.2987	0.841	29.9	4.992	2.38e-006	4.23e-004	2.72e-006
11	2.00	0.2845	0.879	28.5	13.908	8.85e-007	2.37e-003	5.66e-006
12	0.500	0.2643	0.932	26.4	34.744	3.72e-007	1.35e-002	1.35e-005

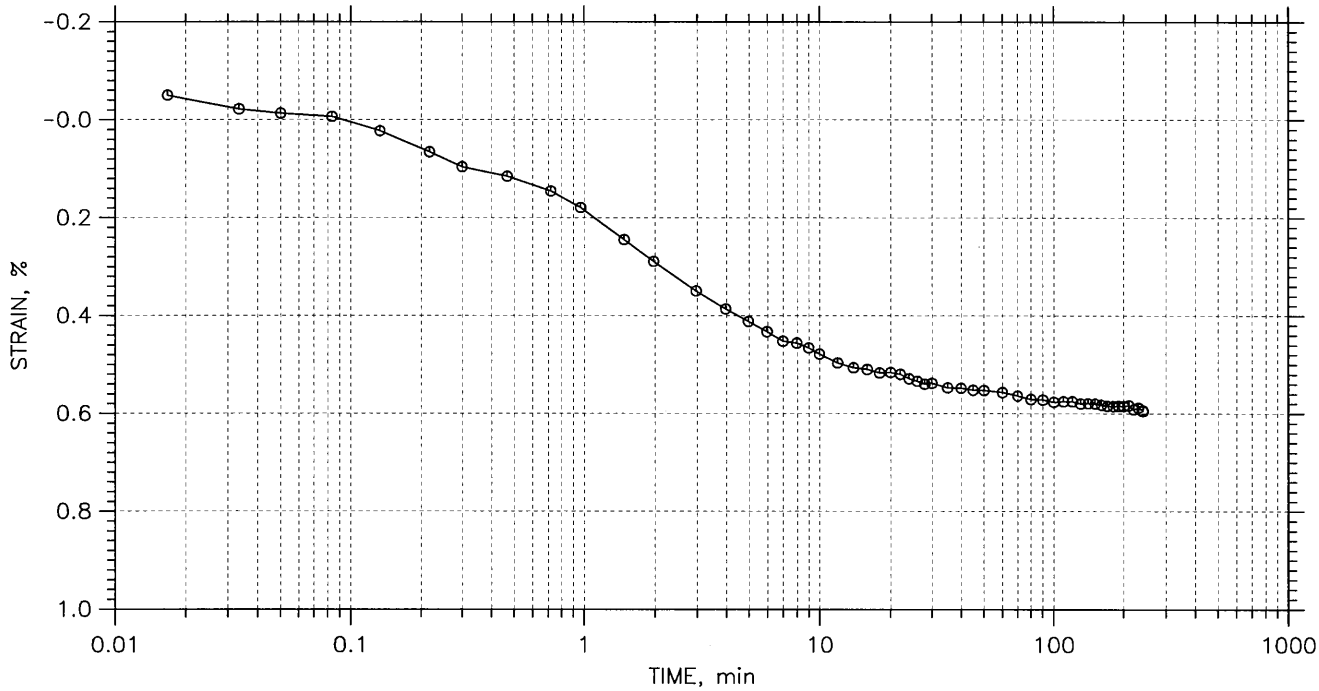
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	Log T50 min	Cv ft^2/sec	Mv 1/tsf	k ft/day	Ca %
1	0.125	0.005946	1.61	0.595	1.588	3.57e-006	4.76e-002	4.58e-004	0.00e+000
2	0.250	0.01410	1.59	1.41	1.616	3.46e-006	6.52e-002	6.08e-004	0.00e+000
3	0.500	0.02559	1.56	2.56	0.000	0.00e+000	4.60e-002	0.00e+000	0.00e+000
4	1.00	0.04319	1.51	4.32	0.000	0.00e+000	3.52e-002	0.00e+000	0.00e+000
5	2.00	0.06884	1.45	6.88	0.000	0.00e+000	2.56e-002	0.00e+000	0.00e+000
6	4.00	0.1296	1.29	13.0	1.942	2.38e-006	3.04e-002	1.95e-004	0.00e+000
7	8.00	0.1976	1.11	19.8	1.532	2.60e-006	1.70e-002	1.19e-004	0.00e+000
8	16.0	0.2543	0.958	25.4	1.082	3.16e-006	7.09e-003	6.03e-005	0.00e+000
9	32.0	0.3089	0.815	30.9	0.780	3.77e-006	3.41e-003	3.47e-005	0.00e+000
10	8.00	0.2987	0.841	29.9	0.000	0.00e+000	4.23e-004	0.00e+000	0.00e+000
11	2.00	0.2845	0.879	28.5	0.000	0.00e+000	2.37e-003	0.00e+000	0.00e+000
12	0.500	0.2643	0.932	26.4	8.364	3.59e-007	1.35e-002	1.31e-005	0.00e+000

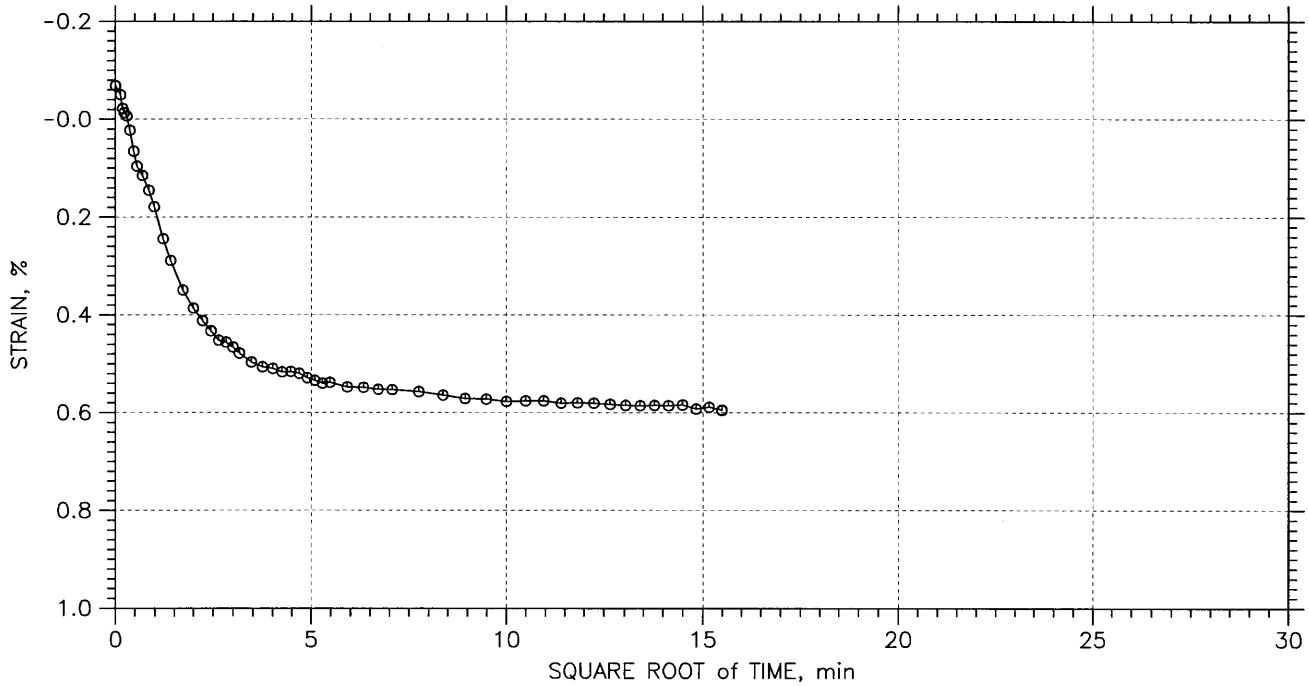
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 1 of 12

Stress: 0.125 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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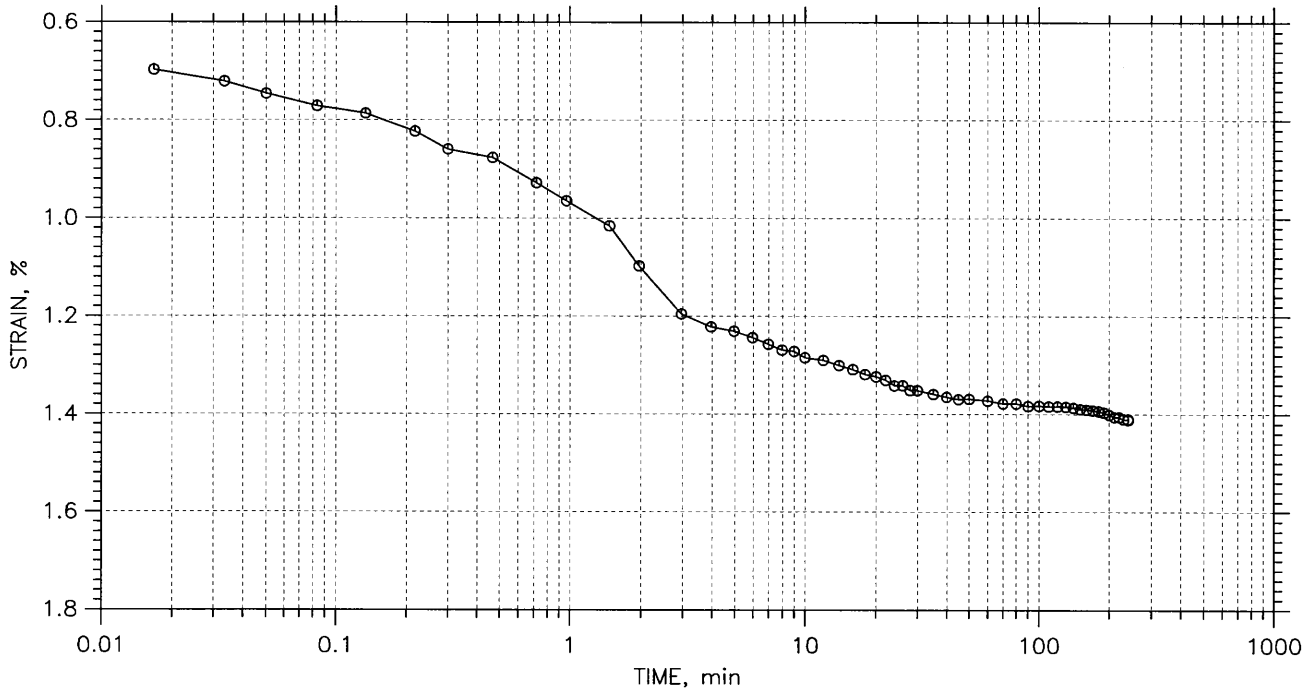
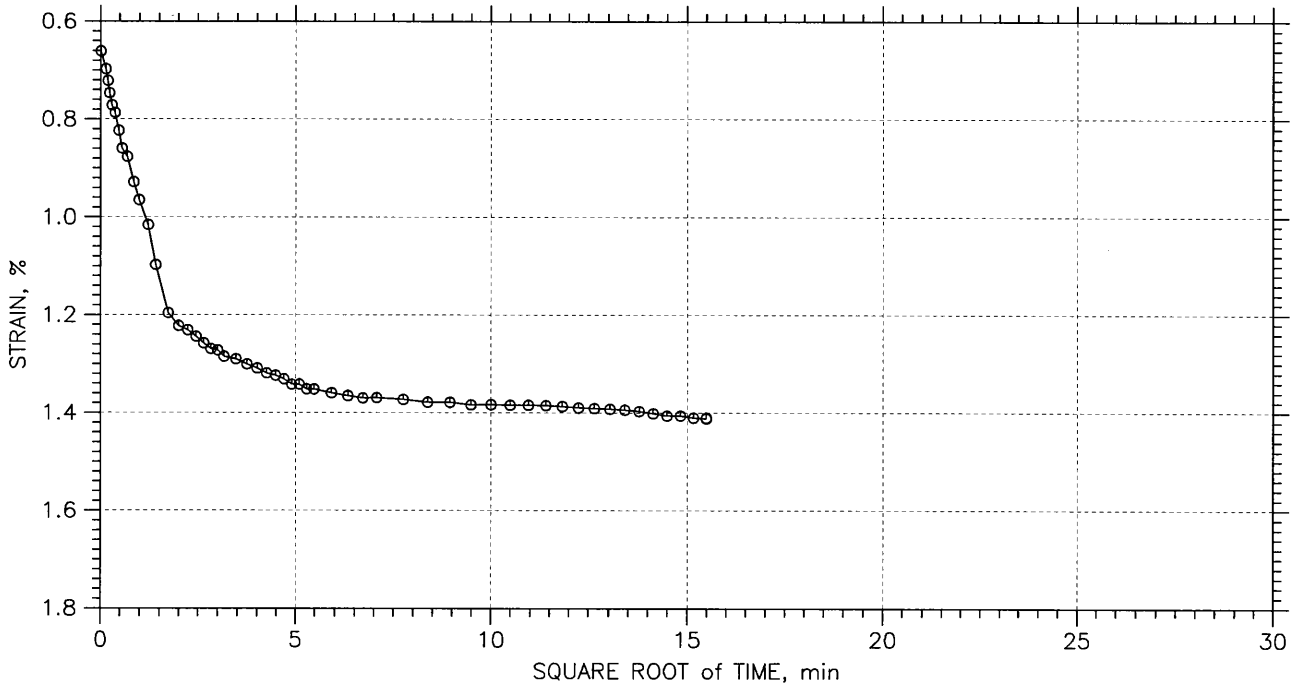
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 2 of 12

Stress: 0.25 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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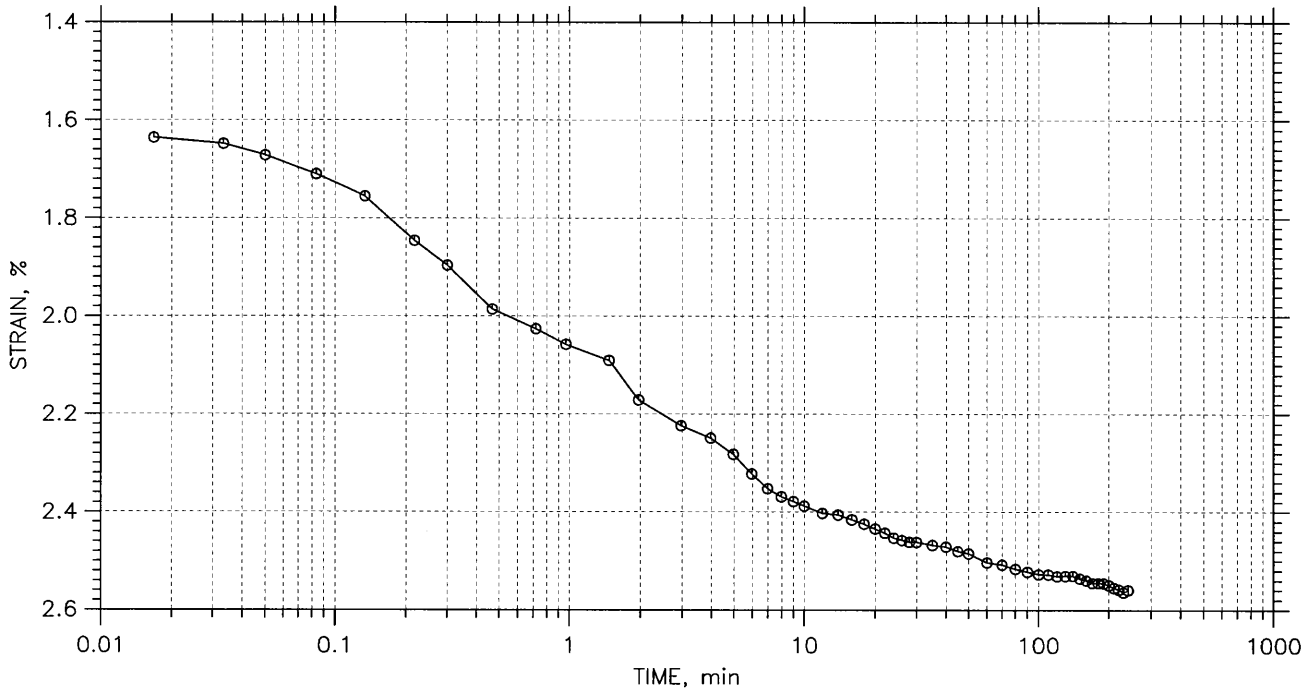
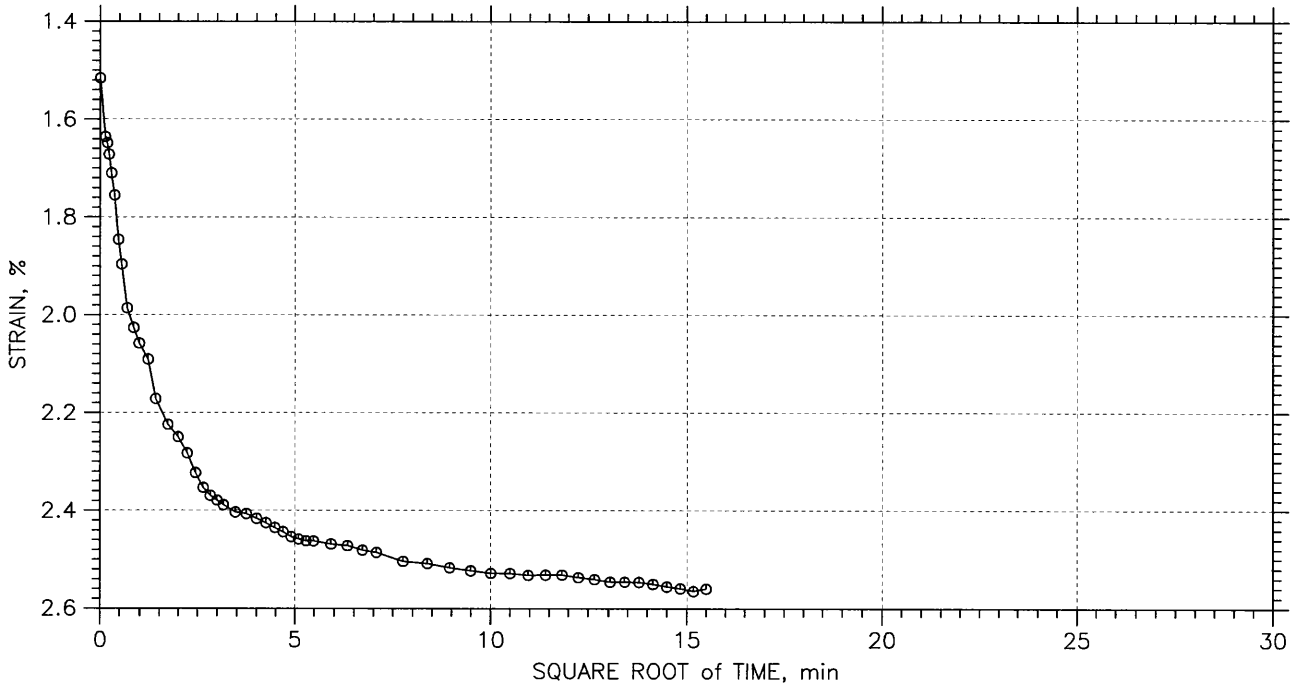
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 3 of 12

Stress: 0.5 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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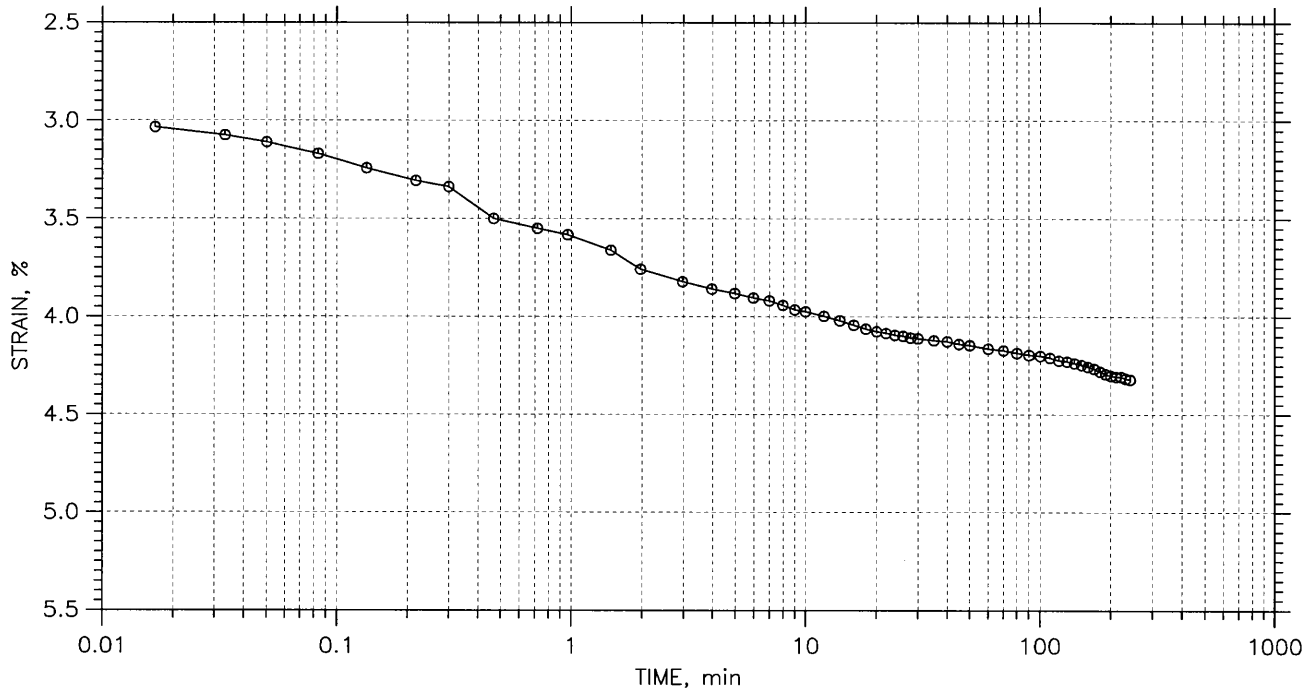
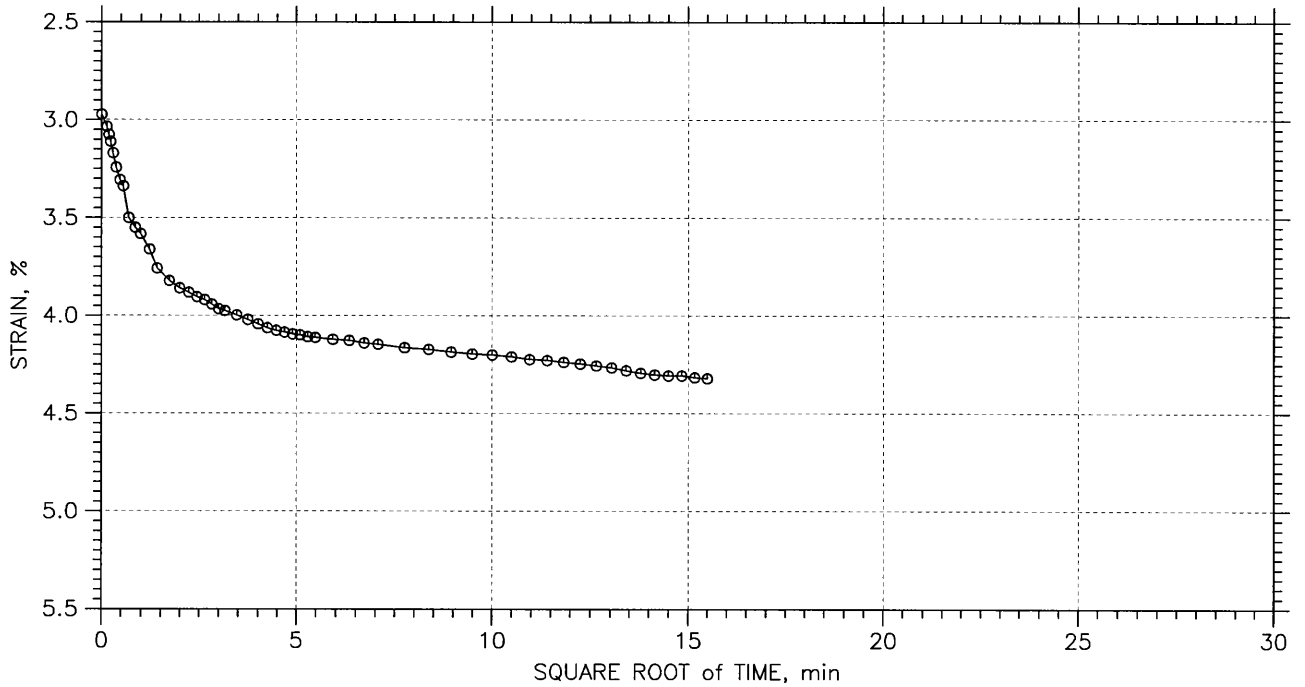
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 4 of 12

Stress: 1 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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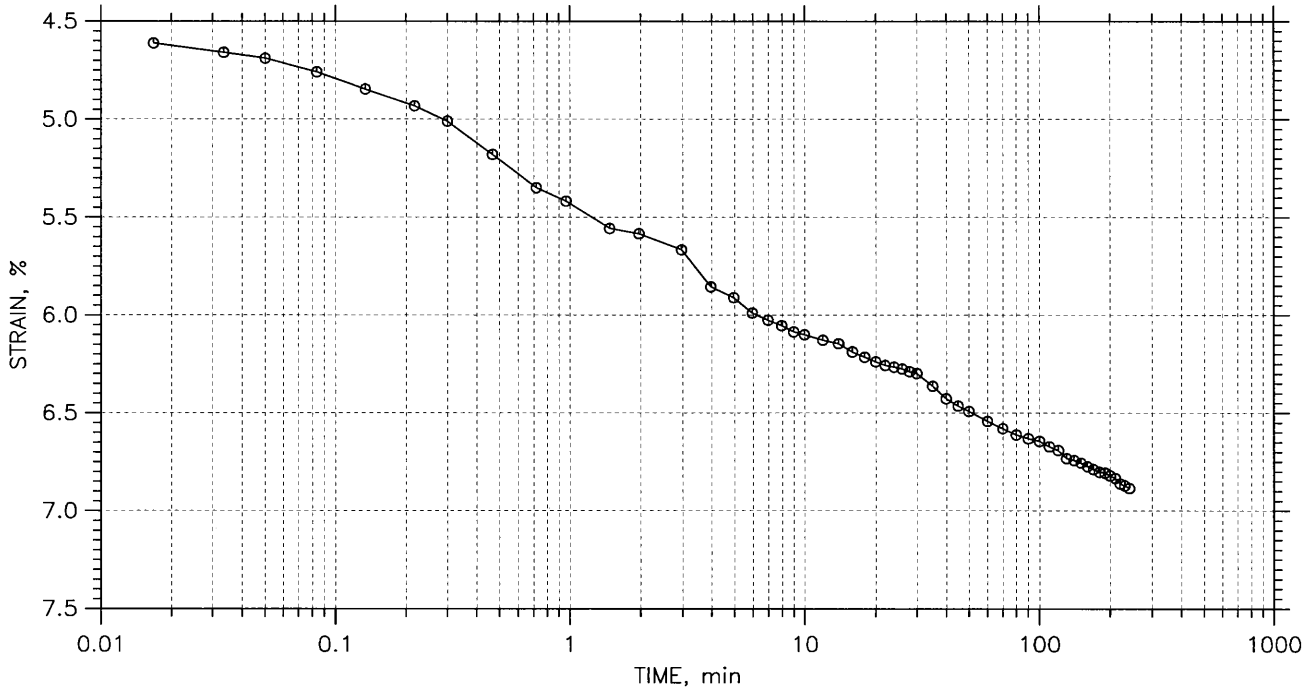
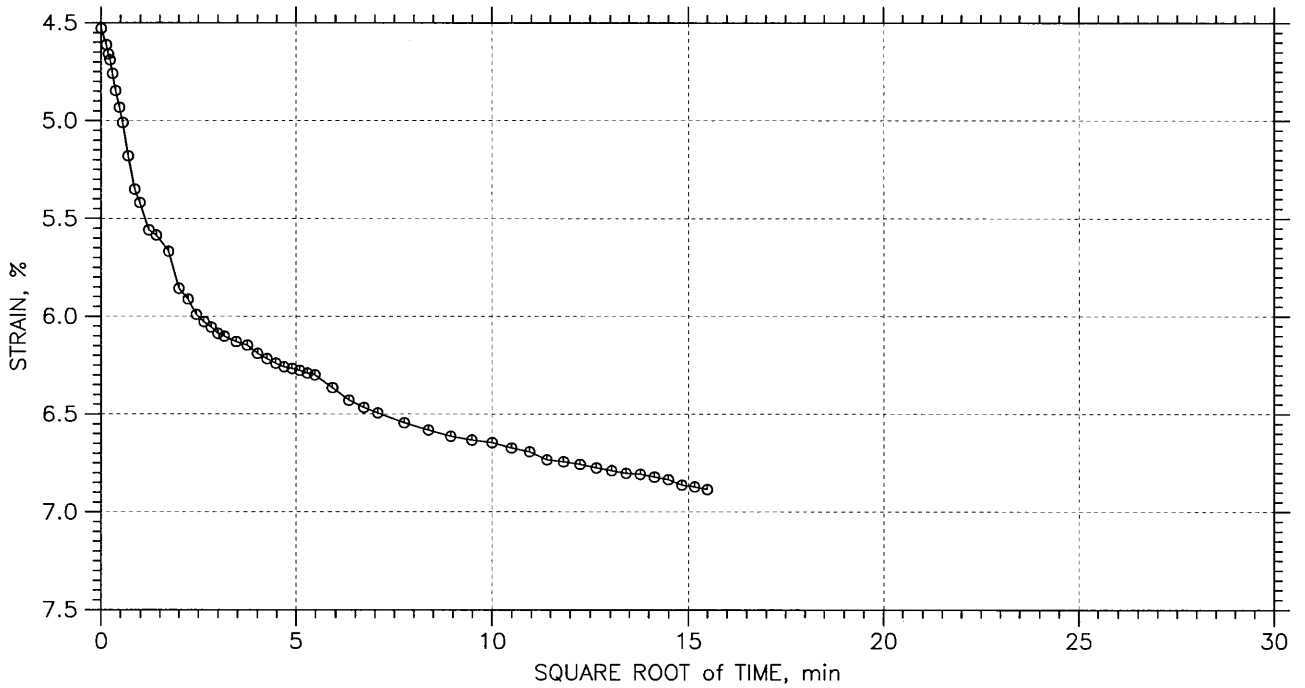
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 5 of 12

Stress: 2 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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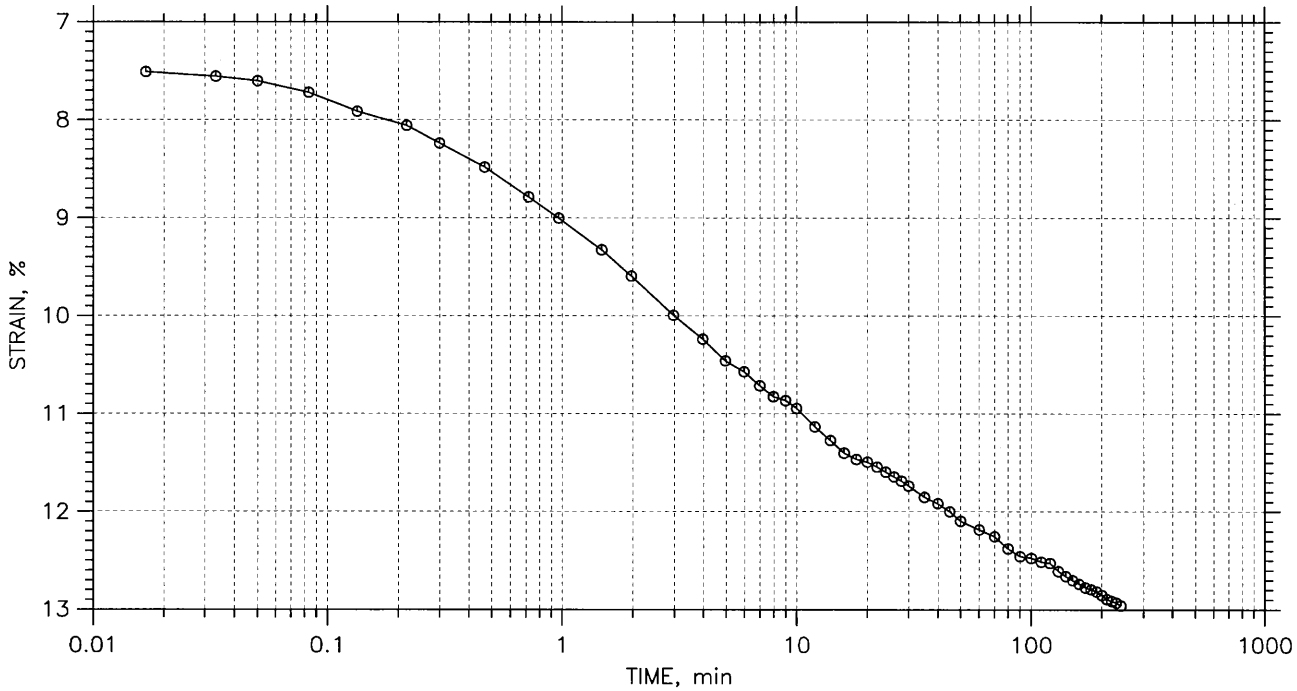
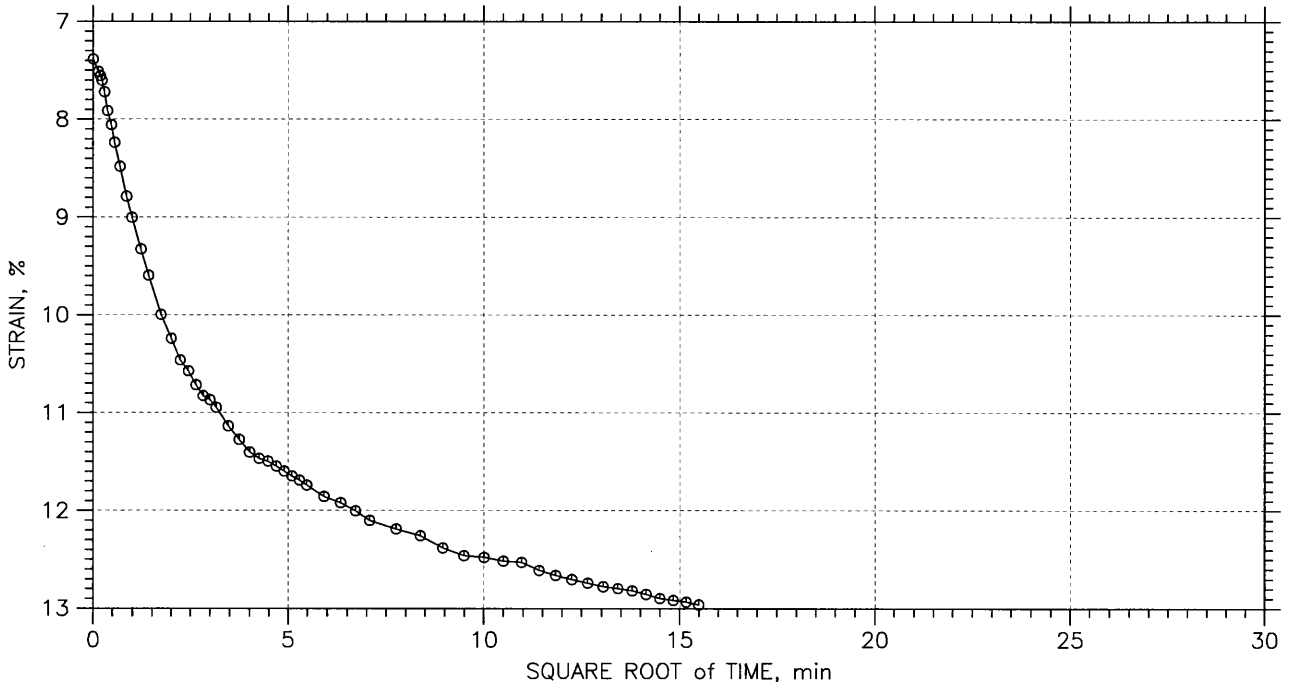
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 6 of 12

Stress: 4 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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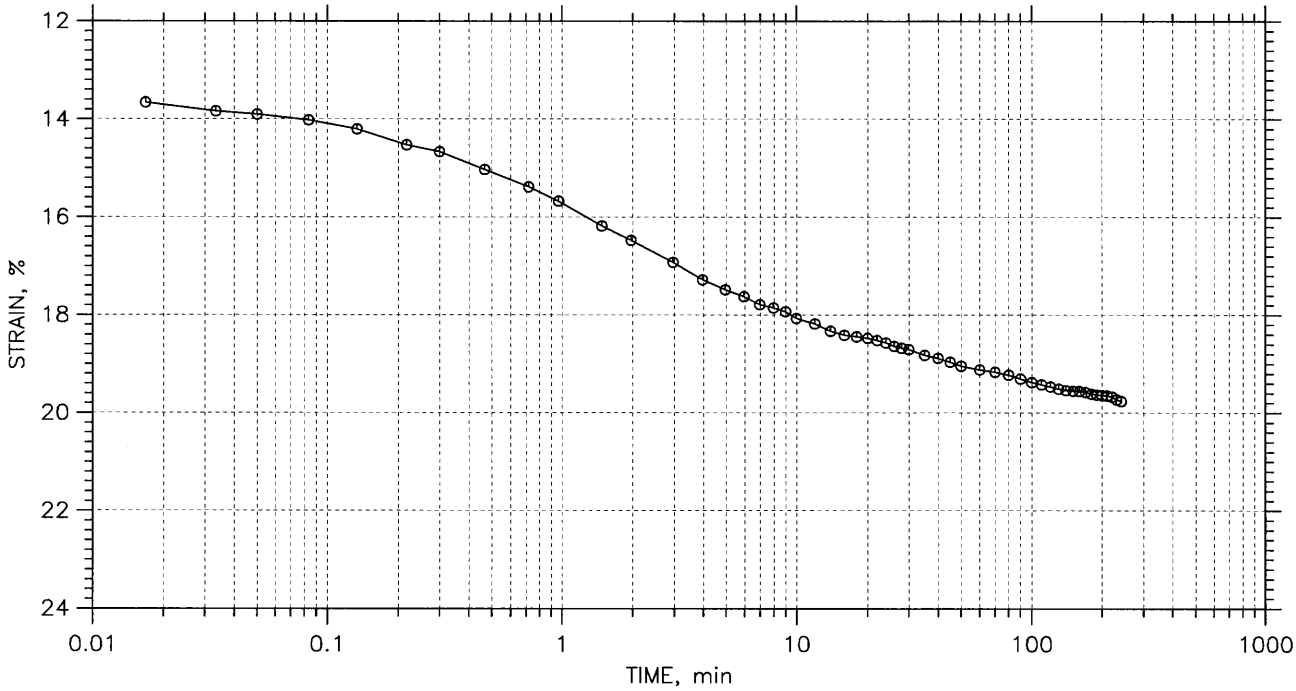
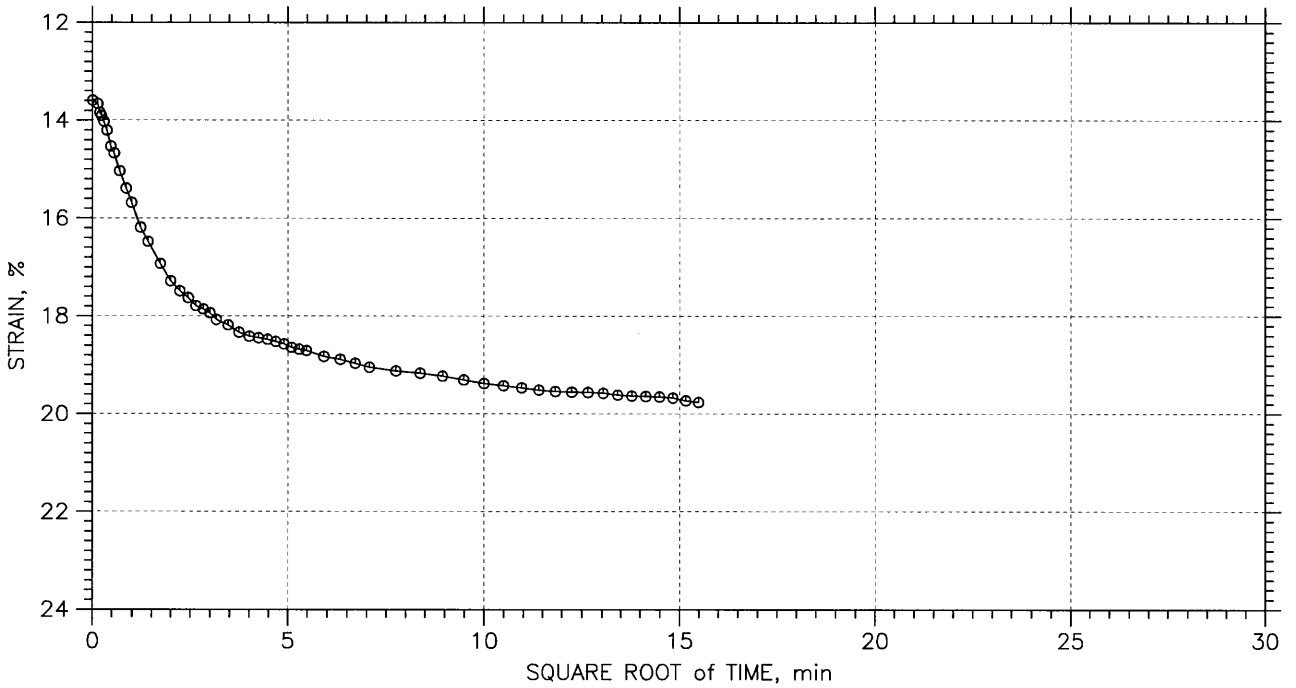
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 7 of 12

Stress: 8 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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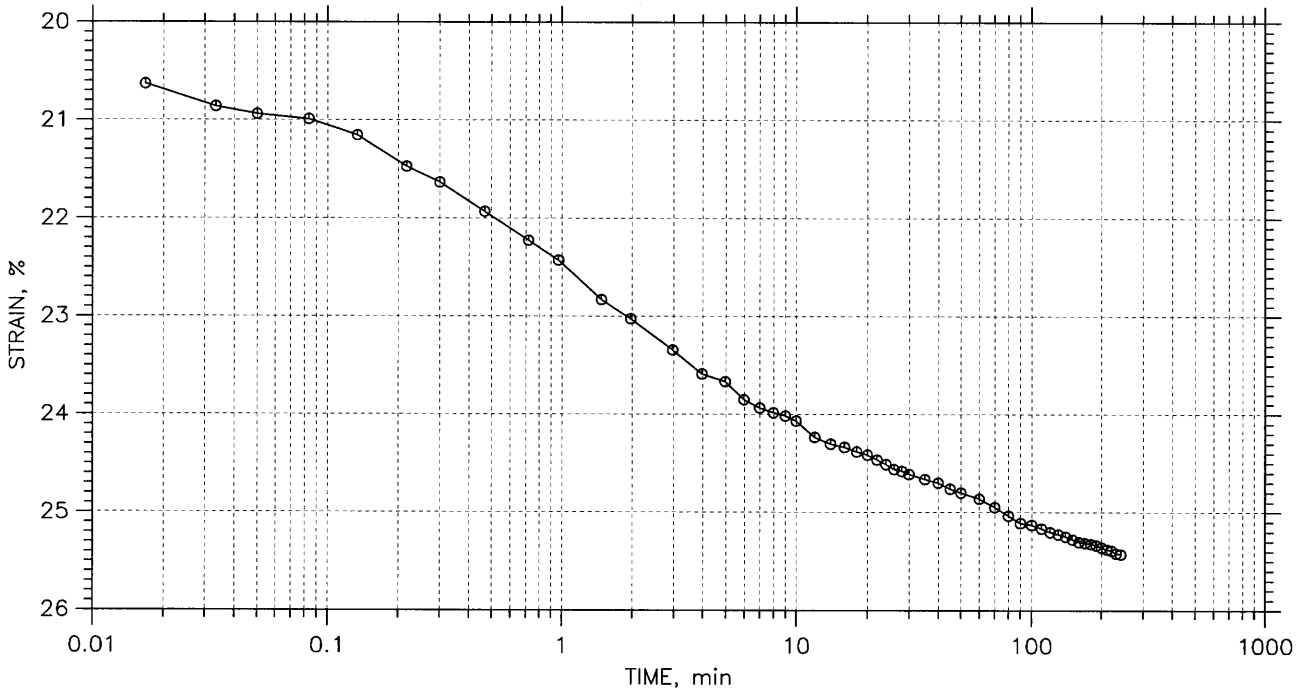
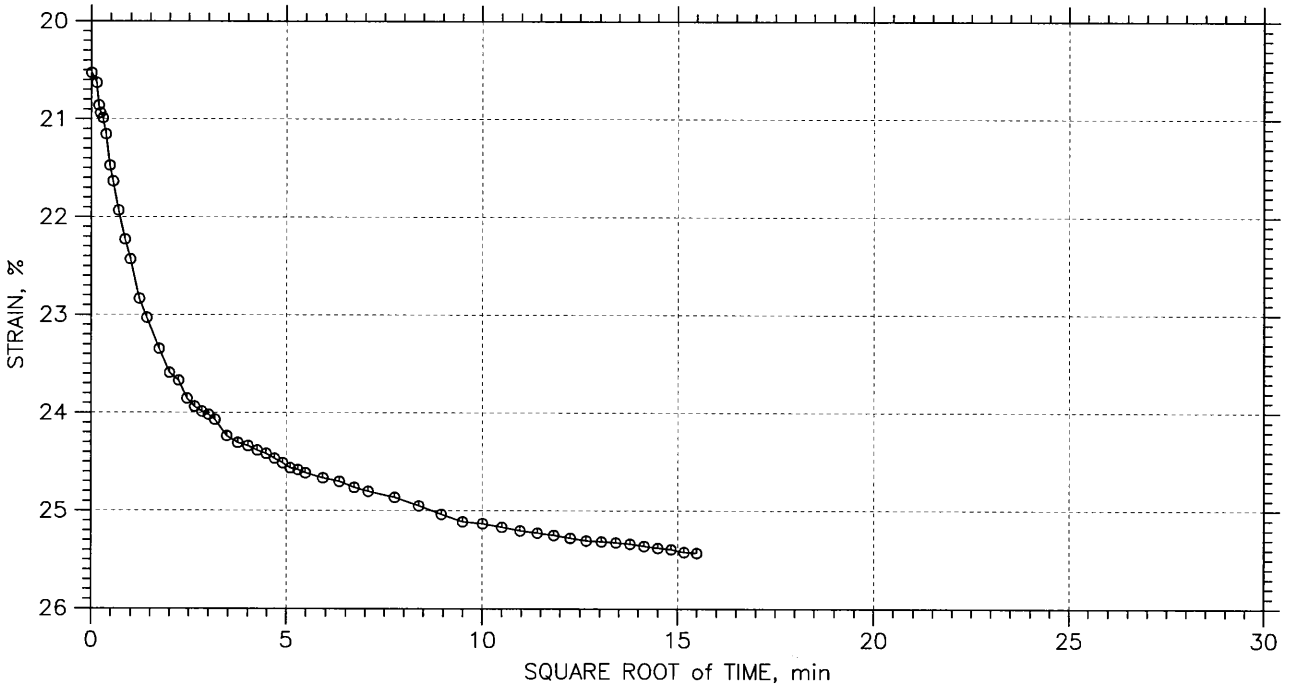
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 8 of 12

Stress: 16 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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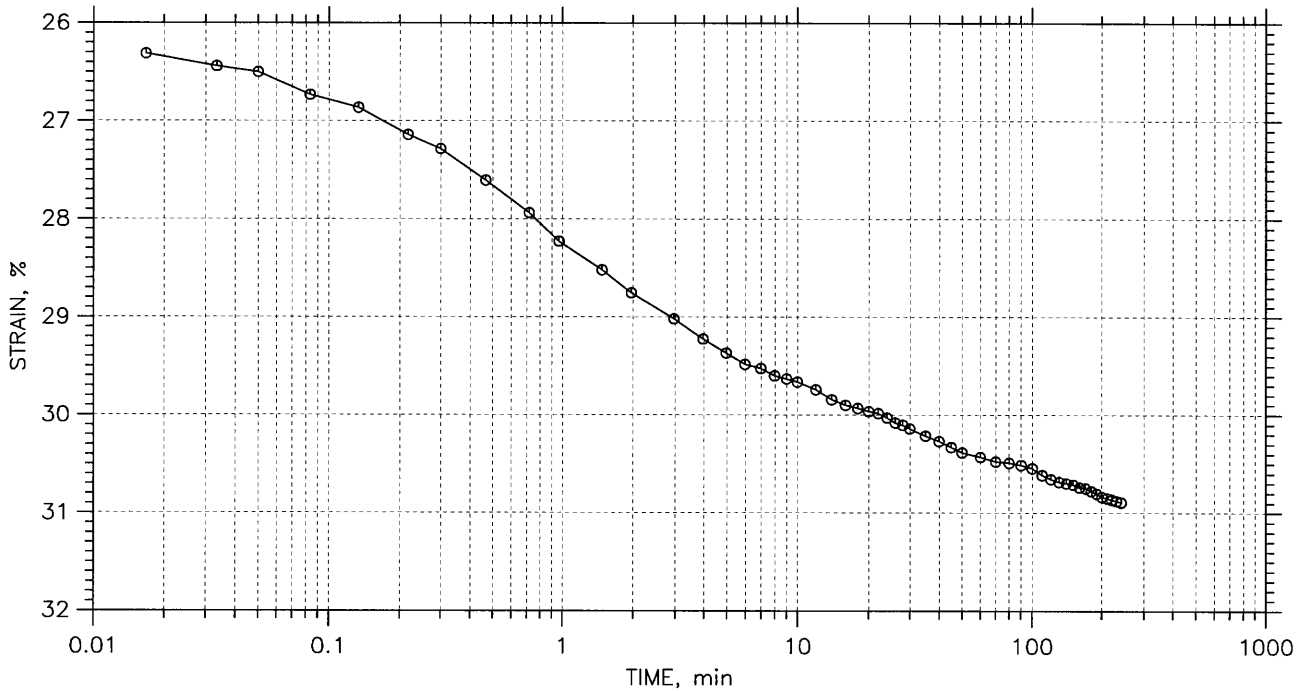
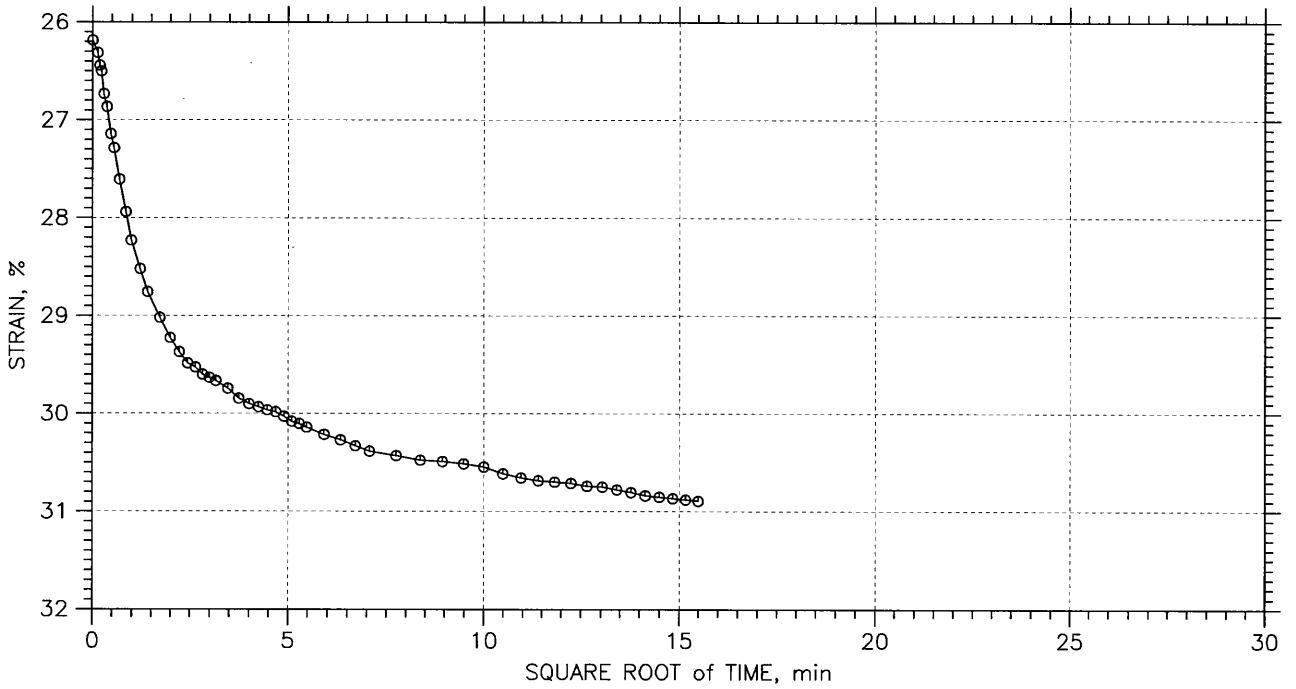
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 9 of 12

Stress: 32 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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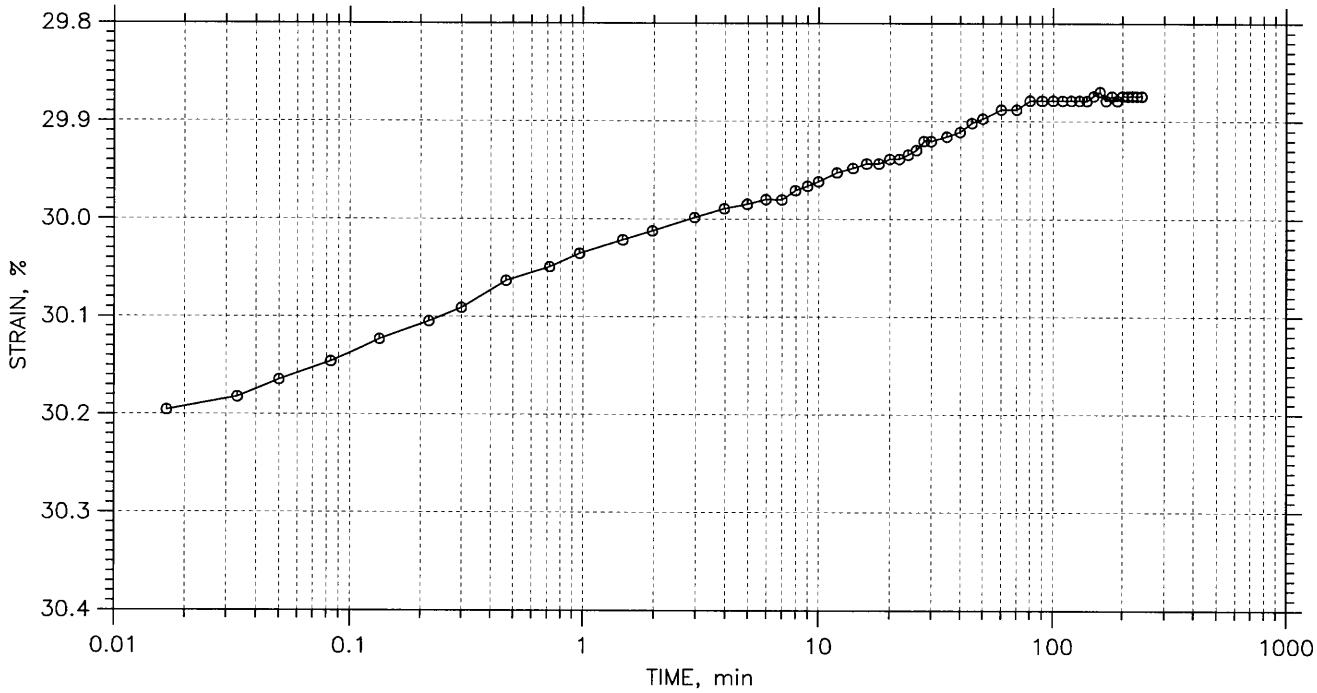
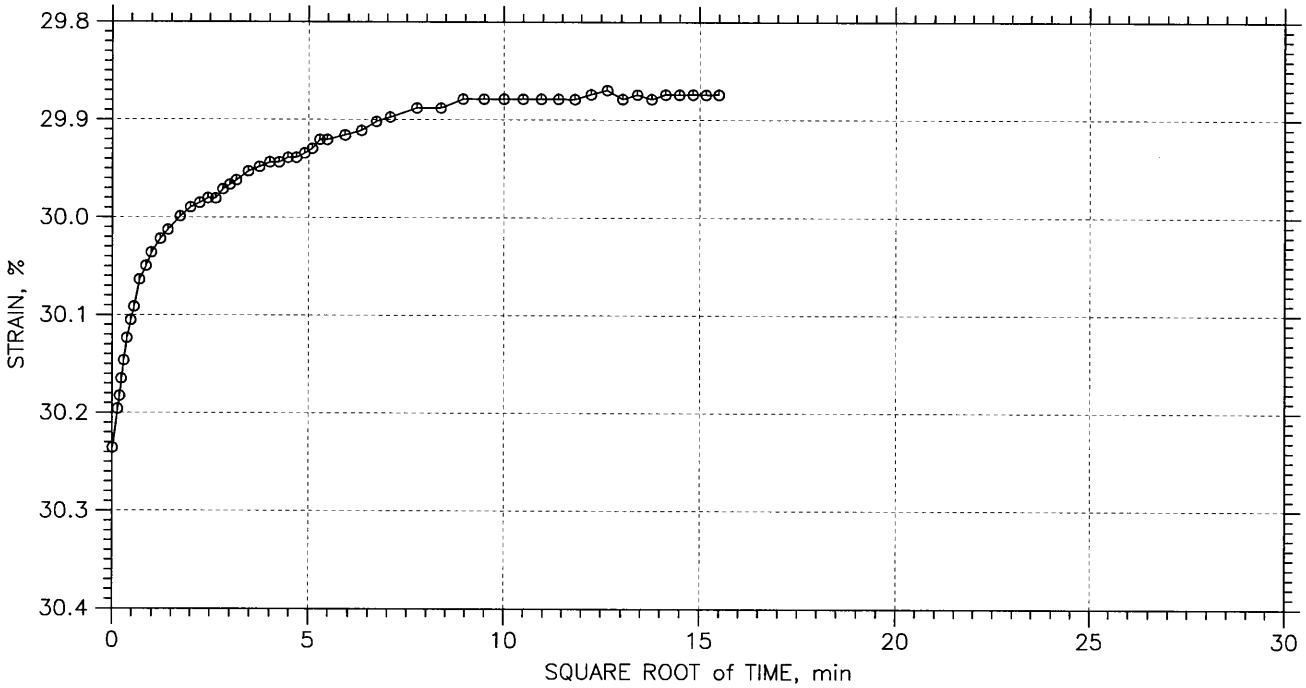
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 10 of 12

Stress: 8 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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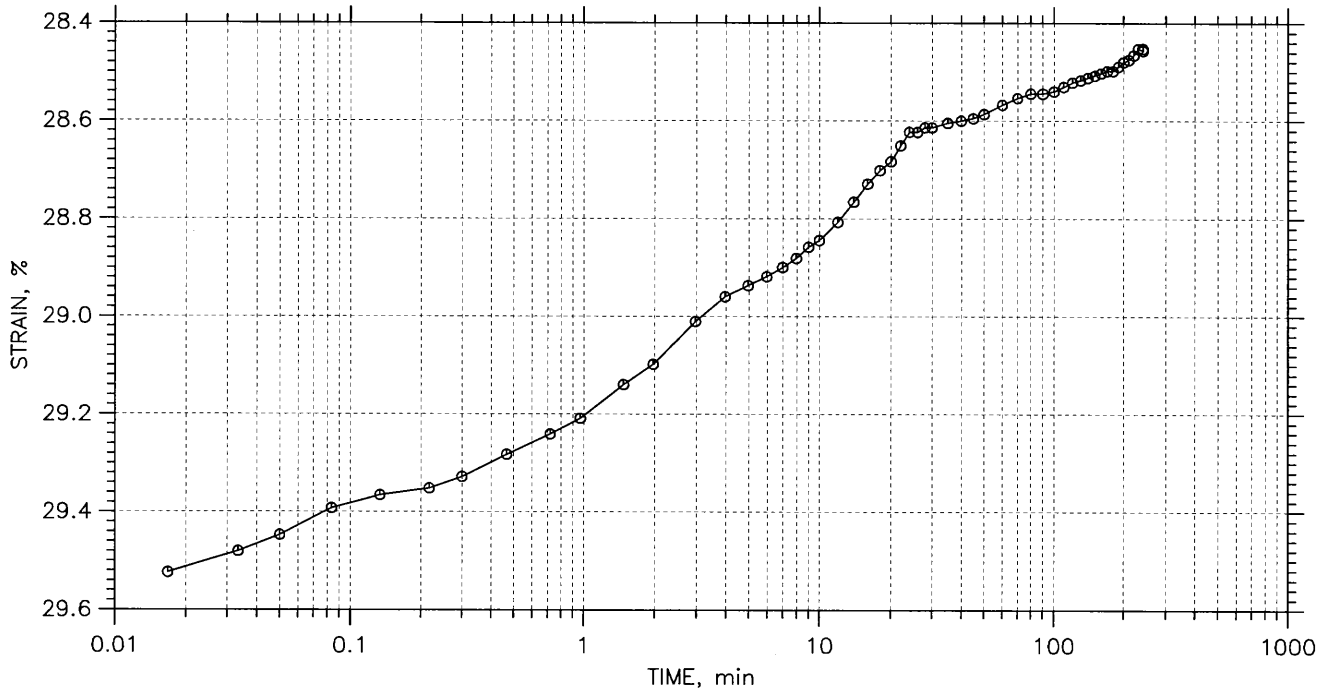
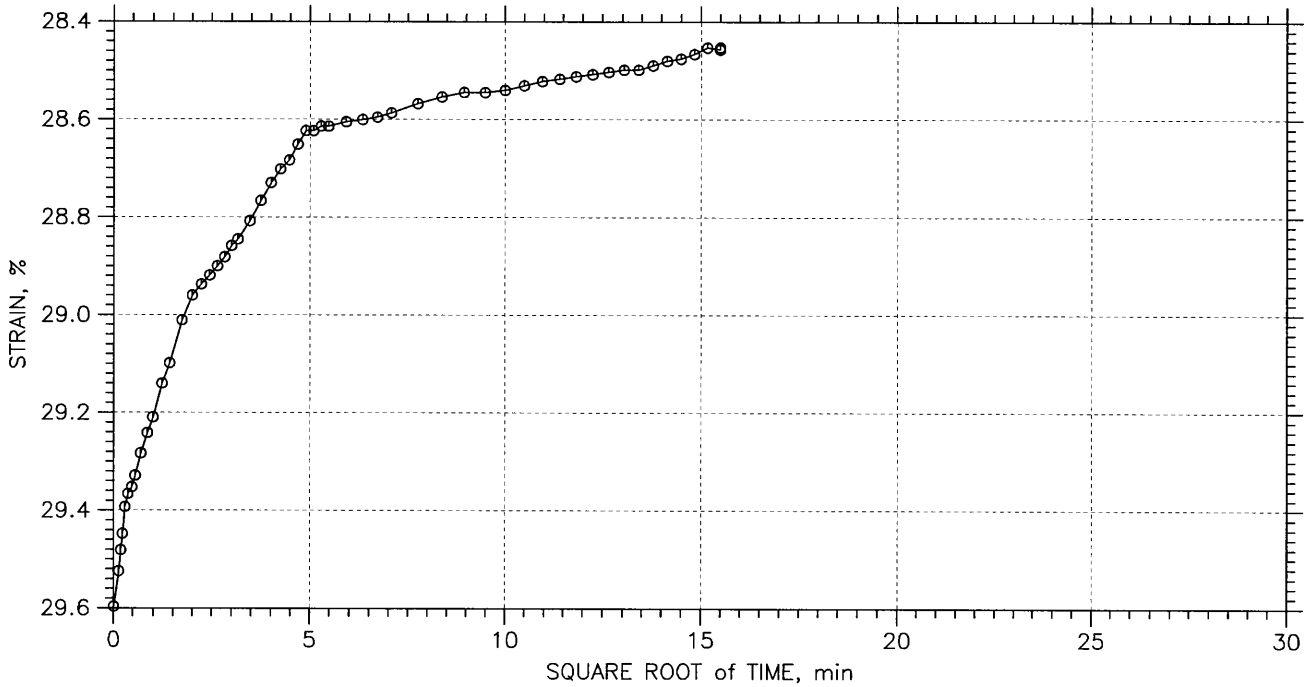
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 11 of 12

Stress: 2 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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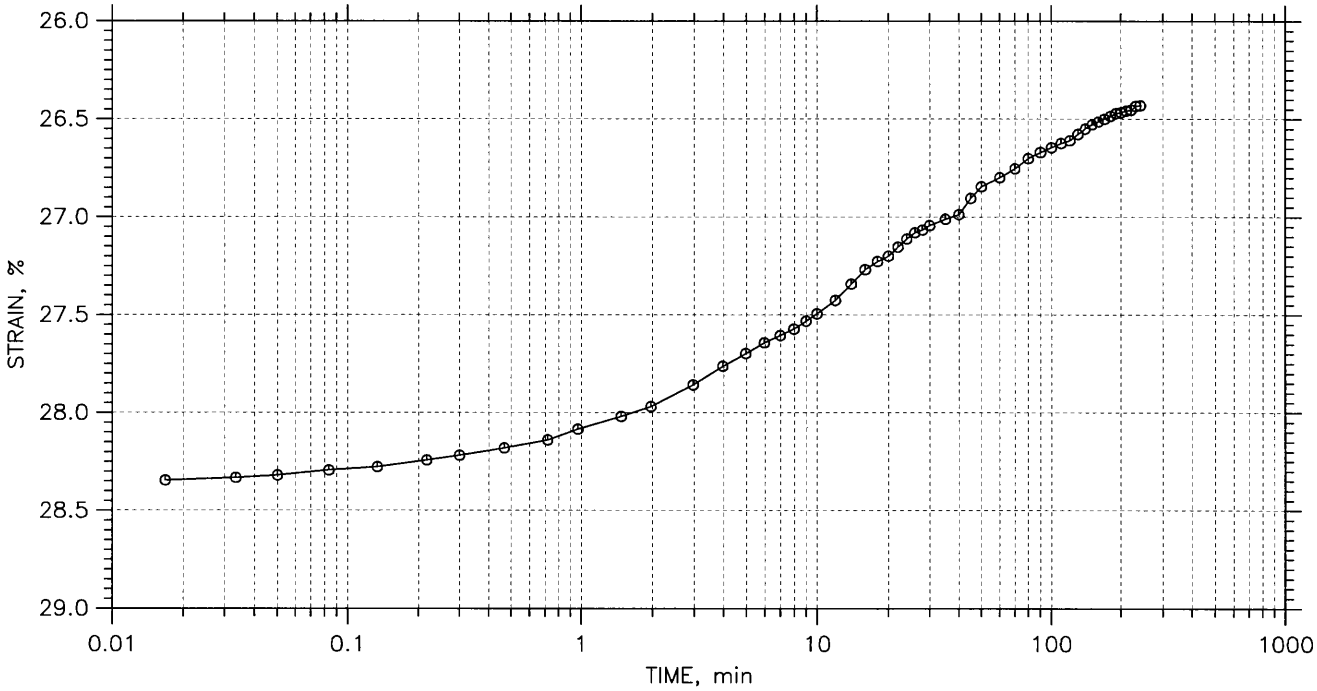
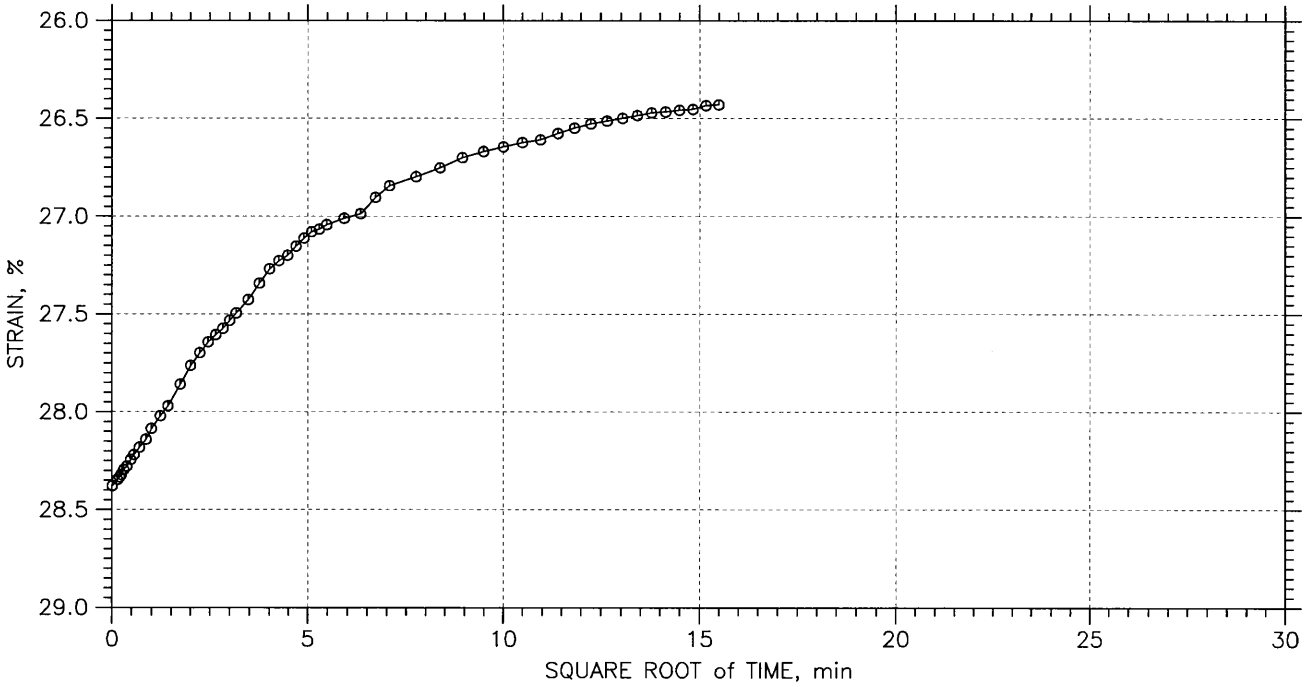
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 12 of 12

Stress: 0.5 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

Tue, 19-JUN-2012 09:13:44

APPENDIX D

SITE-SPECIFIC SEISMIC STUDY

SITE-SPECIFIC SEISMIC STUDY

for

551 West 21st Street
New York, NY

Prepared For:

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6 July 2012
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LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

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EXECUTIVE SUMMARY

Langan Engineering and Environmental Services, P.C (Langan) performed a site-specific seismic study for the proposed development of 551 West 21th Street, in Manhattan, New York. Our study was performed as allowed by the New York City Building Code for a "Site Class E" site to assess the seismic response of the ground at the project site and to determine appropriate seismic parameters for use in design of the proposed structure. This study is specific to the site and reflects the current state of practice in the fields of seismology and geotechnical earthquake engineering. This study was performed in accordance with the provisions of Section 1615.2 of the Building Code, ASCE 7-05 and FEMA 450. The following summarizes the approach followed and key conclusions from the study.

1. Seismic Hazard Analysis and selection of bedrock acceleration time histories:
   a. We assessed the seismic hazard at the site by performing a probabilistic seismic hazard analysis (PSHA) to determine the target bedrock response spectrum;
   b. We collected representative ground-motion time-histories recorded during earthquakes or that were modified using a numerical procedure;
   c. We selected a suite of seven ground-motion time-histories and scaled them to conform, on average, to the estimated target bedrock spectrum.

2. Site-specific ground-response analysis:
   a. Using the selected scaled bedrock motions, we performed a parametric site-specific ground response analysis. One-dimensional soil columns were used to evaluate the effect of each parameter.
   b. We developed a site-specific design response spectrum for use in the design of the superstructure.

3. Liquefaction Analysis:
   a. We performed analyses to evaluate the potential for liquefaction of granular soils below the groundwater table during the design seismic events.

4. Conclusion and Recommendations:
   a. The site was designated as Site Class E.
   b. The recommended design response spectrum is shown on Figure 12.
   c. The short- and long- period design accelerations obtained from the recommended design response spectrum are:
      - S_{DS} = 0.415g……at a period of 0.2 seconds
      - S_{D1} = 0.133g……at a period of 1.0 second
   d. The recommended design spectral accelerations in conjunction with a Seismic Use Group I result in a Seismic Design Category of C.
   e. Our analyses indicate an adequate factor of safety against soil liquefaction; therefore, soil liquefaction need not be considered in design of the structure.

INTRODUCTION

Langan Engineering and Environmental Services, P.C performed a site-specific seismic study for the proposed development at 551 West 21st Street, New York, New York in the borough of Manhattan. Our study was performed to assess the seismic response of the ground at the project site as allowed by the Building Code for a "Site Class E" site and to determine appropriate seismic parameters for use in design of the proposed structure. Our study included development of a site-specific design acceleration spectrum, a determination of the Seismic Design Category for the proposed building, and a soil liquefaction assessment. All work was performed in accordance with our authorized 12 April 2012 proposal to Mr. Max Eisenstein. Our understanding of the project is based on discussions with the design team, and review of the historic and current documents provided to us.

Analyses and recommendations presented here are in accordance with the New York City Construction Codes, LL 33/2007 and LL 99/2005 (Building Code) that became effective in July 2008. The following sections include a brief project overview with a summary of the subsurface conditions, seismic classification of the site in accordance with the Building Code, and the results of our site-specific seismic analysis.

PROJECT OVERVIEW

Site Description

The proposed project site is located at 551 West 21st Street. The site is bordered by West 22nd Street on the north, 10th Avenue on the east, West 21st Street on the south and 11th Avenue on the west (i.e., Block 693) in Manhattan, New York. The site consists of the parcel at the southwestern corner of the block, known as Lots 1 and 8. The property has about a 110-foot frontage along Eleventh Avenue and a 157-foot frontage along West 21st Street. The site is about 99 feet deep (footprint of 12,450 square-feet). A site location map is presented in Figure 1. The site is bordered to the north by a 4-story brick structure with frontage on West 22nd and a three-story brick structure with frontage on 11th Avenue. The site is bordered to the east by an 8-story brick structure with frontage on West 21st Street.

Ground surface elevations are referenced from the site topographic survey prepared by Langan Engineering and Environmental Services, last revised 5 June 2012. Elevations are reported with respect to the Borough President of Manhattan Datum (BPMD)[1].

The site is occupied by a four-story building on Lot 1 and a one-story building on Lot 8. According to available surveys, sidewalk grade ranges from about el 4.58 to el 5.10 BPMD increasing from west to east.

Proposed Construction

The latest DCE structural plans show the proposed building will be 20 stories with one below-grade level. The cellar is planned to occupy the entire lot and will have a footprint of about 20,000 square feet. The building structure will be cast-in-place concrete floors with concrete columns and shear walls. The typical axial column load is about 1,200 kips. There are a number of "super columns" that have loads of about 3,000 to 5,000 kip. The cellar floor slab will be a structural slab cast integral with the foundations and designed to withstand the hydrostatic pressure resulting from the base flood elevation.

Local Geology

The site is located on Manhattan Island which falls within the southern terminus of the Manhattan Prong of the New England Upland province. The USGS "Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York" (Baskerville 1994) indicates the site is outside the original shoreline of Manhatan and the bedrock underlying the site consists of gray gneiss of the Heartland Formation. Part of the engineering geology map showing the site location is presented in Figure 2. According to Baskerville (1994), bedrock stratigraphy in the vicinity of the site consists of rock of the Lower Cambrian to Middle Ordovician Age (Hartland Formation), described thus:

- Hartland Formation – Interbedded units of: (1) gray, fine-grained quartz-feldspar granulite containing minor biotite and garnet; (2) Fine to coarse-grained, gray to tan weathering, quartz-feldspar-muscovite-biotite-garnet schist (mica schist); (3) dark

[1] The Borough President of Manhattan Datum is 2.75 feet above the U.S. Coast and Geodetic Survey Vertical Datum (Mean Sea Level at Sandy Hook, New Jersey, 1929). [BPMD = USGS-2.75].

greenish-black quartz-biotite-hornblende amphibolite. Intrusions of granite and pegmatite are common (Baskerville 1994).

The surficial geology map (Figure 3) shows the Pleistocene deposits at the site to be part of the ground moraine (till composed of clay, sand, and boulders).

Local Faults and Seismicity

New York is located in the passive continental margin of the stable continental Central and Eastern United States, far from tectonic plate boundaries (approximately 2,300 kilometers from the nearest tectonic plate boundary). Seismicity in this region is low with the exception of a few zones such as the New Madrid Seismic Zone (Mo.) and Charleston (SC), with historically large earthquakes. The Manhattan prong is also relatively active compared to most of this region. The largest earthquake in the area was a magnitude m_bLg 5.25 event offshore New York City in 1884. Many faults have been identified in the Manhattan Prong and the surrounding regions, but which faults are active is a subject of ongoing debate (Sykes et al. 2008). There are difficulties in characterizing the activity of faults in the region because of the small sizes of ruptures, the absence of surface rupture, and the distribution of seismicity on many smaller faults, each with very low displacement rates.

Assumed brittle faults of the Manhattan Prong include the 125th Street fault that extends across Manhattan to Queens, the Dyckman street fault and the Dobbs Ferry fault. It is recognized that research is needed to improve the mapping and dating of these various faults to improve seismic hazard studies.

Subsurface Investigations

Two subsurface investigations have been performed by Langan at the site since October 2005. The first field investigation on 11 October 2005 consisted of five borings, two test pits, and the installation of two groundwater observation wells. The borings were located within the property limits and the adjacent sidewalk and were made by Aquifer Drilling and Testing, Inc. (ADT). The second field investigation on 21 May 2012 consisted of four borings, the installation of one groundwater observation well, and one seisimic cone-penetration test. The borings were made by Warren George, Inc. and the seismic

cone-penetration test was performed by ConeTec. A boring, test pit, and CPT location plan is presented in Figure 4.

The boring logs from the first subsurface investigation are included in Appendix A. The Conetec report describing the seismic cone-penetration tests is included in Appendix B. Selected soil samples from the subsurface investigations were sent to the laboratory to determine their engineering properties. Laboratory data from the site is provided in Appendix C.

Subsurface Conditions

The soil profile generally consists of a surficial layer of uncontrolled fill underlain by soft organic clay, a brown coarse to fine sand layer (till), a layer of decomposed rock, and finally bedrock. Detailed description of each subsurface stratum is given below in order of increasing depth. Subsurface profiles are presented in Figures 5 through 7.

Uncontrolled Fill [Class 7][2]

A layer of uncontrolled fill, generally consisting of brown to grey coarse to fine-grained sand with varying amounts of gravel, silt, boulders, construction debris, and brick was encountered below the existing ground surface. The fill thickness ranged between about 10 feet and 25 feet.

Standard penetration test N-values in the fill varied from 0 to more than 100 blows per foot (bpf), with an average of 19 blows per foot. The large range in N-values is because of the variable nature of uncontrolled fill, and the presence of obstructions that impeded advancement of the split spoon sampler (i.e. gravel, boulders, concrete, brick, wood, etc.). Shear-wave velocities were not recorded in the fill layer because of the inability of the cone tip to advance past obstructions; however, measured shear wave velocities in the fill of nearby sites varied from about 400 to about 1,560 feet per second with an average of about 705 feet per second.

2 Numbers in brackets indicate classification of soil and rock materials in accordance with the New York City Building Code (2008).

The uncontrolled fill material was visually classified as SP, poorly graded sands in accordance with Unified Soils Classification System (USCS) and is designated as Building Code Class-7 material, "Controlled and Uncontrolled Fills".

Soft Organic Clay [Class 6]

Immediately below the fill, a layer of gray, organic clay and silt was encountered in all borings. The material thickness ranged from about 33 feet to 54 feet. The depth to the top of this layer ranged from about 10 feet to 25 feet (el. -5 to el. -20 respectively). Standard penetration test N-values in the clay ranged from "weight of hammer" (24 inches of penetration under the weight of the 140-pound hammer - zero blows per foot (bpf)) to 23 bpf, and averaged 4 bpf, indicating a typically "very soft" consistency.

Atterberg Limit testing indicate this layer has moderate plasticity with the Plasticity Index ranging from 25 to about 52, and water content ranging from 36 to 66 percent. The organic content was about 2 to 4 percent. The unconsolidated-undrained triaxial tests yielded shear strengths (S_u) averaging 360 pounds per square foot. Shear wave velocities recorded in this layer varied from 420 to 880 feet per second with an average of about 588 feet per second.

This material is generally classified as CH-OH and OH in accordance with the USCS and as Building Code Class 6 Material "Organic Clays and Silt."

Till [Class 3a & 3b]

A glacial till deposit consisting of brown sand with varying amounts of silt, gravel and clay was encountered in all the borings. There are intermittent layers of clay, gravel and silt present in this layer. The top of the till layer was encountered about 54 to 67 feet below grade (el. -49 to el. -64 BPMD) and varied in thickness from about 0.5 feet to 34 feet. Standard penetration test N-values in the till ranged from about 7 blows per foot (bpf) to 67 bpf, with an average of about 22 bpf, indicating a "medium dense" material. Shear wave velocities recorded in this layer were about 1,000 feet per second.

The till is classified as silty sand (SM) varved with layers of lean sandy silt (ML) in accordance with USCS and is designated as Building Code Class 3a and 3b material, "Medium and Dense Granular Soils".

Weathered Rock [Class 1d]

Weathered rock was encountered in all borings except from boring B-10(OW). The material consisted of dark grey, weak to moderate strength, moderately to highly decomposed, intensely fractured rock. The top of the weathered rock was encountered at a depth of 66 feet to 90 feet below existing grade (el. 62 to el. 85 BPMD). Shear wave velocities of the weathered rock material were assumed to be 3,000 feet per second.

The weathered rock is designated as Building Code Class 1d Material, "Soft Rock – Weathered Rock".

Bedrock [Classes 1a & 1b]

Gray mica schist bedrock was encountered at depths varying from about 66 feet to 92 feet below the existing grade across the site. The bedrock is typically strong, fresh to slightly decomposed, and slightly fractured. We note that granulite and amphibolite rock were encountered in borings B-10(OW) and B-8. Both of these types of rock are also common within the Hartland Formation. Percentage recovery ranged from 80 percent to 100 percent, with an average of 97 percent. RQD values ranged from 63 percent to 100 percent with an average of 86 percent. The rock quality generally improves with depth. Shear-wave velocity measurements in rock at a nearby site varied from about 7,500 to about 11,500 feet per second. For our ground response analyses we assumed a shear-wave velocity of 9,000 feet per second.

The bedrock is designated as Building Code Class 1a and 1b material.

Groundwater

The groundwater level at the site was monitored in the observation wells B-1(OW) and B-5(OW) on 3 November 2005 as well as in B-10(OW) between 22 May and 4 June 2012. The measured water level varied from 6.9 to 9.1 feet and averaged 7.9 feet below the ground surface. The corresponding elevation is el -3.9 BPMD.

SEISMIC EVALUATION

We performed a site-specific seismic study to develop a design acceleration response spectrum for the site. Our evaluation included the following steps:

1. performing a seismic hazard analysis,
2. choosing appropriate bedrock acceleration time histories;
3. estimating dynamic soil and bedrock properties;
4. determining the Site Class per the NYCBC;
5. performing site response analyses;
6. performing analyses to evaluate the liquefaction potential of soils situated below the groundwater table;
7. recommending an appropriate design acceleration response spectrum;
8. determining the Seismic Design Category per the NYCBC.

Site-specific analyses are more rigorous than the general procedure outlined in the Building Code. The general procedure does not necessarily accurately estimate the expected acceleration amplitude and frequency content specific to the project site. As such, a design acceleration response spectrum derived using the general procedures may be either overly conservative or unconservative. We developed a design acceleration response spectrum specific to the site using current state of practice methods and reflecting the in situ soil and bedrock conditions.

Our evaluation was performed in accordance with the provisions of Section 1615.2 of the Building Code, ASCE 7-05 and FEMA 450. The study included one-dimensional wave propagation analyses to estimate the response at the surface of the soil profile at the site during a design seismic event. The one-dimensional analyses were performed using the commercially available computer program Shake2000 (Geomotions, 2012).

Probabilistic Seismic Hazard Analyses

Because the location, recurrence interval, and magnitude of future earthquakes are uncertain, we performed a probabilistic seismic-hazard analysis (PSHA), which systematically accounts for these uncertainties. The results of a PSHA define a uniform

hazard for a site in terms of a probability that a particular level of shaking will be exceeded during the given life of the structure.

As part of the development of the maximum considered earthquake (MCE) spectrum at bedrock level, we performed a PSHA to develop a site-specific response spectrum for a 2 percent probability of exceedance in 50 years. The ground surface spectrum was developed using the computer code EZ-FRISK 7.62 (Risk Engineering - 2012). The approach used in EZ-FRISK is based on the probabilistic seismic hazard model developed by Cornell (1968) and McGuire (1976).

Source Modeling and Characterization

We used the Petersen et al. (2008) "CEUS," "New Madrid Seismic Zone" and "Charleston Seismic Zone" seismic sources with the same logic tree used for the production of the 2008 USGS maps. We understand Risk Engineering Inc. obtained this database directly from USGS.

Empirical Ground-Motion Attenuation Relationships

Using the subsurface information and shear wave velocity measurements from a nearby site, we estimated an average shear-wave velocity of the upper 30 meters (V_{s30}) of bedrock of approximately 9,000 feet per second.

We used the empirical ground-motion attenuation relationships that were used for the production of the 2008 USGS maps, with the same weights described in Petersen et al. (2008). The reader is referred to the original publication for details.

Epistemic Uncertainty and Aleatory Variability

The term epistemic uncertainty is used to describe the uncertainty associated with incomplete knowledge and data about the physics of the earthquake process and the applicability of a particular attenuation relationship to a given site. For example, there is uncertainty as to which attenuation relationship is more applicable for the site at hand. Similarly, the term aleatory variability is used to describe the randomness in the ground motion predicted by each attenuation equation. The epistemic uncertainty is taken into account by using a suite of attenuation relations with different weights. All the different

weight combinations are incorporated in the final hazard estimations by using a logic tree approach (McGuire 2004). The aleatory variability is taken into account by explicitly considering the randomness (standard deviation) in the predicted ground motions.

Probabilistic Seismic Hazard Analysis Results

The computed uniform hazard spectrum for 2 percent probability of exceedance is shown on Figure 8, along with the values of the 2008 USGS maps for V_{s30}=6,562 feet per second (or 2,000 meters per second which is the maximum V_{s30} provided by the USGS website). Digitized values are presented in Table 1. The results presented are for the geometric mean.

Table 1 – Bedrock Uniform Hazard Spectra, SA(g) for 5 percent damping

Structural Period T (sec)	Site-Specific SA(g) P.E. 2% in 50 yrs	USGS 2008 SA(g) P.E. 2% in 50 yrs
0.01	0.118	0.122
0.05	0.227	-
0.10	0.249	0.236
0.20	0.202	0.174
0.30	0.140	0.123
0.40	0.105	-
0.50	0.084	0.081
0.75	0.049	-
1.0	0.035	0.047
2.0	0.018	0.025

Seismic Hazard Deaggregation Results

Seismic hazard deaggregation was performed to estimate the contribution of the various magnitudes events at various distances to the total seismic hazard. The results are useful in identifying pairs of earthquake magnitude and source-to-site distances that contribute the most to the estimated seismic hazard, performing deterministic analyses and developing different scenarios to be used in selecting acceleration time histories.

For the peak ground acceleration, which is of interest for the soil liquefaction potential analyses, the majority of the hazard for the maximum considered earthquake comes from small to moderate magnitude earthquakes from the CEUS Gridded seismic zone. The corresponding modal (most likely) magnitude-distance pair had a moment magnitude of

5.05 and a distance of 14 kilometers. The mean moment magnitude and distance were calculated to be 5.72 and 31 kilometers. These numbers are similar to the USGS 2008 deaggregation results for the site.

Bedrock Acceleration Time Histories

Appropriate bedrock acceleration time histories (bedrock motions) are required as input parameters in ground-response analyses. Section 1615.2.1 of the Building Code specifies that the selected bedrock motions shall represent an acceleration response spectrum having a 2 percent probability of exceedance within a 50-year period (i.e. a return period of 2,475 years). Such a spectrum was determined via the performed probabilistic seismic hazard analysis (PSHA).

A total of seven bedrock acceleration time histories were selected for use in our study following the guidelines of FEMA 450-2 and ASCE 7-05. Two of the bedrock time histories were taken from the 1998 NYCDOT study and the rest from the Pacific Earthquake Engineering Research (PEER) database of the University of California at Berkeley. All time histories were recorded during earthquakes with similar magnitude to the anticipated design event. All time histories were scaled with a uniform scaling factor of 0.53. The average of the spectra derived from the selected scaled bedrock acceleration time histories matches the target bedrock uniform hazard spectrum presented on Figure 8.

Dynamic Soil and Bedrock Parameters

Dynamic soil and bedrock parameters are required for use in ground response analyses. These parameters are (1) the small strain shear modulus (G_{max}), (2) the shear modulus degradation curve with increased shear strains (i.e. G-γ curve), and (3) the soil-damping curve with increased shear strains (i.e. β-γ curve). The small-strain shear modulus was estimated from in situ measurements of shear-wave velocity. The modulus degradation and damping curves were selected from published data for specific representative soil types; the following curves were used in our analyses:

- Granular Soils - Seed and Idriss (1970)
- Cohesive Soils - Vucetic and Dobry (1991)

- Till – Darendelli (2001)
- Bedrock - EPRI Rock (1993)

Site Class

The Site Class and associated code-specified acceleration response spectrum are required to determine the minimum permissible levels of the design response spectrum derived from a site-specific study. The site is classified as Class E because it contains a layer of soft clay more than 10 feet thick, having an undrained shear strength less than 500 pounds per square foot, a water content greater than 40 percent, and a plasticity index greater than 20.

A weighted average shear wave velocity ($\overline{V}_s$) varying from 690 to 1,025 feet per second was estimated for the site using Equation 16-44 of the Building Code.

Ground Response Analyses

Ground response analyses were performed using the selected bedrock acceleration time histories and dynamic soil and bedrock properties described above, and accounting for variable subsurface conditions documented within the site. All bedrock acceleration time histories were applied as rock-outcrop motions in accordance with FEMA 450-2 and ASCE 7-05.

One-dimensional analyses were performed to assess the sensitivity of the surface acceleration response spectra to variable bedrock depth and stiffness of the soil column. To that end, our analyses included modeling five one-dimensional soil columns representing the stratigraphic variability of soils and the depth to bedrock variability at the site. The sensitivity of the soil stiffness was assessed by varying the shear-wave velocities for all layers by 20 percent above and below the estimated average.

The seven scaled bedrock acceleration time-histories were assigned at the base of each of the five soil columns resulting in a suite of 35 surface acceleration response spectra. This relatively high number of runs allows the mean response spectrum to provide a reliable estimate of the average site response during the design earthquake event, taking into account variable earthquake motions and variable soil conditions.

Ground Response Analyses Results

Our one-dimensional analyses resulted in 35 ground surface acceleration response spectra. Per section 1615.2.4 of the Building Code and section 21.3 of ASCE 7-05, the calculated MCE ground surface spectra were then multiplied by a factor of two-thirds in order to model the "Design Earthquake (DE)."

Figure 9 shows the 35 design response spectra and the mean spectrum computed from the one-dimensional analyses, and the Building Code Site Class E design spectrum for comparison. Figure 9 shows that the mean spectrum plots well below the Building Code Site Class E spectrum for all periods. The average site-specific response spectrum shows two predominant peaks: the first peak from about 0.10 to 0.20 seconds and corresponding to the predominant period of the ground motions, the second peak from about 0.40 to 0.50 seconds and corresponding to the predominant period of the soil columns.

Soil Liquefaction Potential Analyses

The Building Code requires an evaluation of the soil liquefaction potential of noncohesive soils below the groundwater table and to a depth of 50 feet below the ground surface. The potential for soil liquefaction was evaluated using the procedure outlined by Youd et al. (2001). The Youd et al. evaluation is considered the state-of-practice procedure as recommended by FEMA 450-2. This evaluation develops an empirical relationship between the earthquake demand, represented by the Cyclic Stress Ratio (CSR), and the soil's resistance to dynamic loading, represented by the Cyclic Resistance Ratio (CRR). The CSR is correlated to the Peak Ground Acceleration (PGA) of the design earthquake event and the in situ soil stresses. The CRR is correlated to standard penetration test N-values obtained from field tests at the site. The field N-values were converted to $N_{1,60,cs}$ by applying correction factors for soil overburden pressure, hammer-energy efficiency, and percent fines. Cone penetration resistance values were not included in the analysis because the CPT borehole was pre-drilled and backfilled with soil cuttings at the elevations of interest, so the measurements at these elevations are not indicative of the natural in situ conditions.

Our analysis parameters included a magnitude 5.72 earthquake event (consistent with the deaggregation results for the peak ground acceleration - PGA), a PGA of 0.165g (consistent

with the code dictated minimum PGA), and a magnitude scaling factor (MSF) of 2.21 (consistent with the Youd et al. (2001) recommendations). The MSF is an empirical correction of the earthquake demand applied for earthquake magnitudes different than 7.5. Figure 10 shows a plot of the factor of safety with depth using the results of the Standard Penetration Tests (SPT).

Two points plot below Langan's minimum recommended factor of safety of 1.1 but these points are in the area of fill above el. -7.5 to be excavated for the proposed basement. All of points below el. -7.5 plot above the factor of safety of 1.1. Ground surface settlements varying from zero to about ¼ inch were estimated using the standard penetration test blowcount information with the methods of Tokimatsu and Seed (1987) and Ishihara and Yoshimine (1992). Based on these results, and on the fact that the building will be supported on deep foundation elements, our judgment is that soil liquefaction needs not be considered for design.

RECOMMENDATIONS

Design Acceleration Response Spectrum

Figure 11 shows three design acceleration response spectra. The first spectrum is a plot of the mean design spectrum derived from our one-dimensional ground response analyses. The second spectrum is equal to 80 percent of the Site-Class-E design spectrum constructed using the Building Code general procedure. The Building Code specifies that the final design spectrum can not be lower than the "80-percent" spectrum at any period. Accordingly, the third spectrum (denoted by open-triangle points) is an envelope of the first two spectra at all periods and is also our recommended design response spectrum. The recommended spectrum essentially follows the minimum design spectrum at all periods with exception of periods between 0.45 and 0.5 seconds where it follows the mean design spectrum. Table 2 shows the recommended design spectral accelerations for the design earthquake event.

Table 2 – Recommended Design Smooth Site-Specific spectrum, SA(g) for 5 percent damping

Period T (seconds)	Recommended DE
0.00	0.166
0.06	0.415
0.32	0.415
>0.32	0.133/T
0.45	0.3
0.5	0.3
>0.6	0.133/T

The recommended design spectrum satisfies the requirements of Sections 1615.2.4 and 1615.2.5 of the Building Code (i.e., the spectral values are not lower than 80 percent of the spectral values obtained directly from the Building Code). A plot of the recommended design response spectrum containing a table with the spectral ordinates is presented as Figure 12. The short-period and 1-second-period design accelerations obtained from the recommended design spectrum are as follows:

- S_{DS} = 0.415g at a period of 0.2 seconds
- S_{D1} = 0.133g at a period of 1.0 second

A plot of the general-procedure and site-specific soil amplification factors is presented on Figure 13 for different structural periods to assist the structural engineer. These soil amplification factors are to be used with the NYCBC Class B general procedure spectrum to reproduce the recommended smooth design acceleration spectrum.

Seismic Design Category

For Seismic Use Group I, the recommended design spectral accelerations obtained from our site-specific analysis result in a Seismic Design Category of **C** for the proposed structure, regardless of the structure's fundamental period of vibration. The results of the site-specific seismic study are shown in Table 3 below.

Table 3 – Recommended Seismic Design Parameters – Langan Site-Specific Seismic Study

Design Parameter	Design Value
Site Class	E
Spectral Acceleration at short periods, S_{DS}	0.415g
Spectral Acceleration at 1-sec period, S_{D1}	0.133g
Seismic Use Group, *SUG*	I
Seismic Design Category, *SDC*	C

LIMITATIONS

The conclusions and recommendations provided in this report are based on current state of practice. Research is ongoing to develop empirical ground-motion attenuation relations, as well as reviewing information related to the seismicity in the project region. Future research may prove counter to the assumed conditions. In addition, the subsurface conditions were inferred from a limited number of borings, as well as from architectural and structural information provided to us. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. If new information is revealed during the design of the project regarding the seismicity in the region, or if different conditions are encountered during construction, they should immediately be brought to the attention of the geotechnical engineer for evaluation because they may affect our recommendations.

This report has been prepared for the proposed development at 551 West 21th Street, in Manhattan, New York to assist the owner, architect, infrastructure engineer and structural engineer in the design process and is only applicable to the envisioned project, or portion of the project, discussed herein. Any proposed changes in earthwork design, structures or their locations should be brought to our attention so that we can determine whether such changes affect our recommendations. Langan cannot assume responsibility for use of this report for any areas beyond the limits of this study or for any projects not specifically discussed herein.

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FIGURES

DRAWINGS REFERENCED FROM USGS QUADRANGLE MAPS (JERSEY CITY, WEEHAWKEN, CENTRAL PARK, AND BROOKLYN)

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551 W. 21ST STREET

SITE LOCATION PLAN

MANHATTAN NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	N.T.S.	1

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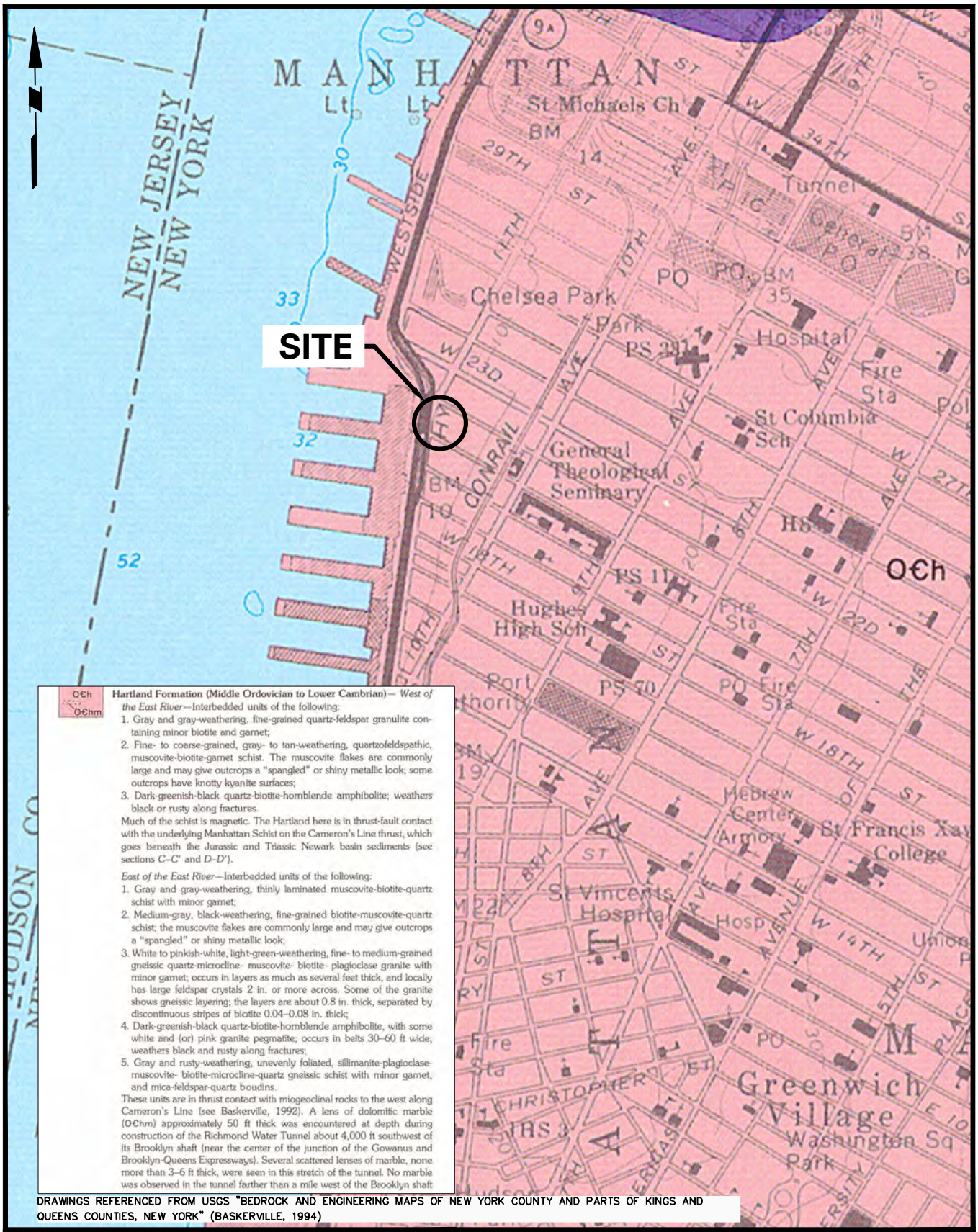

Hartland Formation (Middle Ordovician to Lower Cambrian)— *West of the East River*—Interbedded units of the following:

1. Gray and gray-weathering, fine-grained quartz-feldspar granulite containing minor biotite and garnet;
2. Fine- to coarse-grained, gray- to tan-weathering, quartzofeldspathic, muscovite-biotite-garnet schist. The muscovite flakes are commonly large and may give outcrops a "spangled" or shiny metallic look; some outcrops have knotty kyanite surfaces;
3. Dark-greenish-black quartz-biotite-hornblende amphibolite; weathers black or rusty along fractures.

Much of the schist is magnetic. The Hartland here is in thrust-fault contact with the underlying Manhattan Schist on the Cameron's Line thrust, which goes beneath the Jurassic and Triassic Newark basin sediments (see sections *C–C'* and *D–D'*).

East of the East River—Interbedded units of the following:

1. Gray and gray-weathering, thinly laminated muscovite-biotite-quartz schist with minor garnet;
2. Medium-gray, black-weathering, fine-grained biotite-muscovite-quartz schist; the muscovite flakes are commonly large and may give outcrops a "spangled" or shiny metallic look;
3. White to pinkish-white, light-green-weathering, fine- to medium-grained gneissic quartz-microcline- muscovite- biotite- plagioclase granite with minor garnet; occurs in layers as much as several feet thick, and locally has large feldspar crystals 2 in. or more across. Some of the granite shows gneissic layering; the layers are about 0.8 in. thick, separated by discontinuous stripes of biotite 0.04–0.08 in. thick;
4. Dark-greenish-black quartz-biotite-hornblende amphibolite, with some white and (or) pink granite pegmatite; occurs in belts 30–60 ft wide; weathers black and rusty along fractures;
5. Gray and rusty-weathering, unevenly foliated, sillimanite-plagioclase-muscovite- biotite-microcline-quartz gneissic schist with minor garnet, and mica-feldspar-quartz boudins.

These units are in thrust contact with miogeoclinal rocks to the west along Cameron's Line (see Baskerville, 1992). A lens of dolomitic marble (O€hm) approximately 50 ft thick was encountered at depth during construction of the Richmond Water Tunnel about 4,000 ft southwest of its Brooklyn shaft (near the center of the junction of the Gowanus and Brooklyn-Queens Expressways). Several scattered lenses of marble, none more than 3–6 ft thick, were seen in this stretch of the tunnel. No marble was observed in the tunnel farther than a mile west of the Brooklyn shaft

DRAWINGS REFERENCED FROM USGS "BEDROCK AND ENGINEERING MAPS OF NEW YORK COUNTY AND PARTS OF KINGS AND QUEENS COUNTIES, NEW YORK" (BASKERVILLE, 1994)

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551 W. 21ST STREET

GEOLOGIC MAP

MANHATTAN NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	N.T.S.	2

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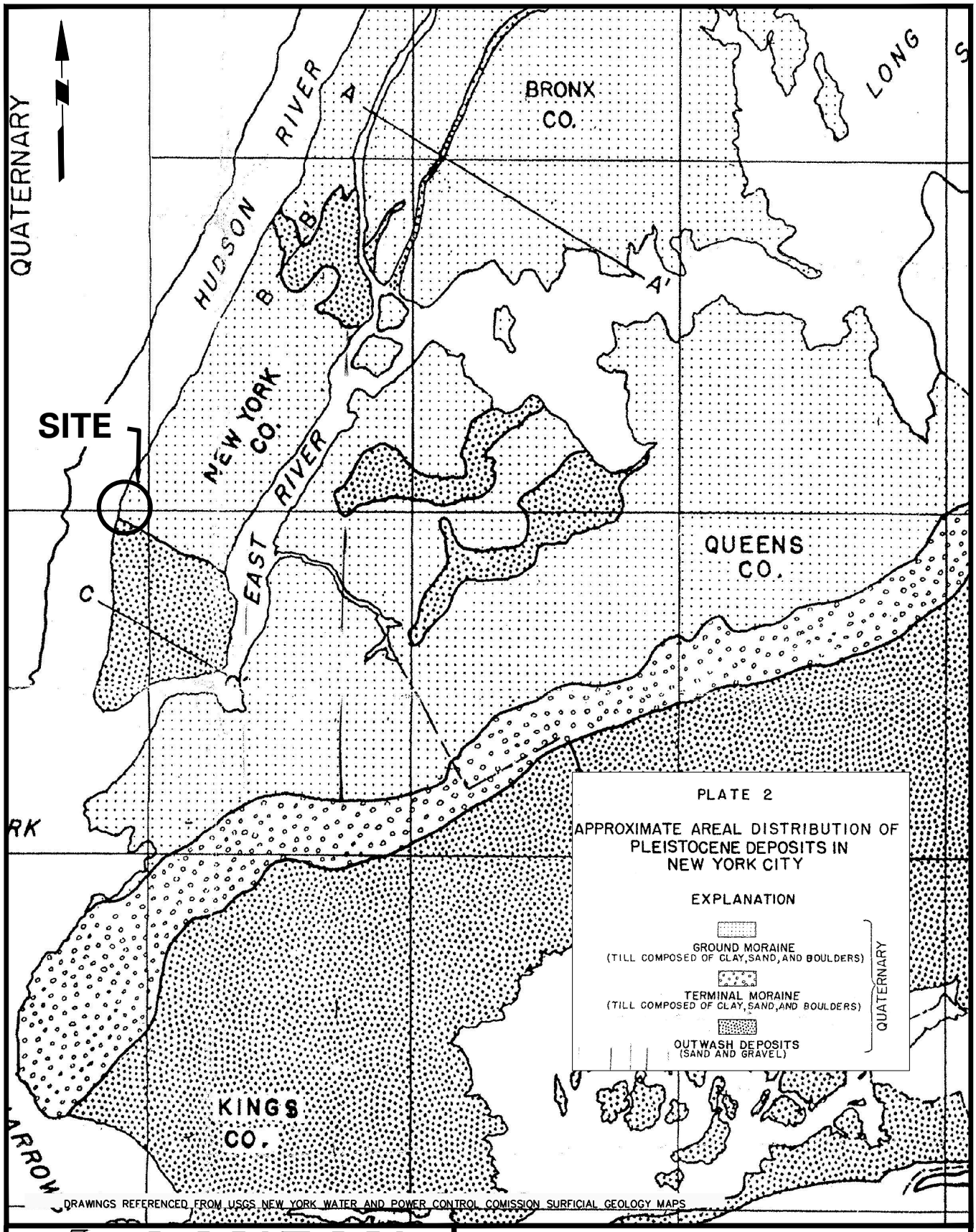
Filename: \\langan.com\data\NY\data3\170193301\Cadd Data - 170193301\Geologic Map.dwg Date: 7/5/2012 Time: 16:35 User: ccampbell Style Table: Langan.stb Layout: A Size Sheet (Bottom)



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551 W. 21ST STREET

SURFICIAL GEOLOGY MAP

MANHATTAN NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	N.T.S.	3

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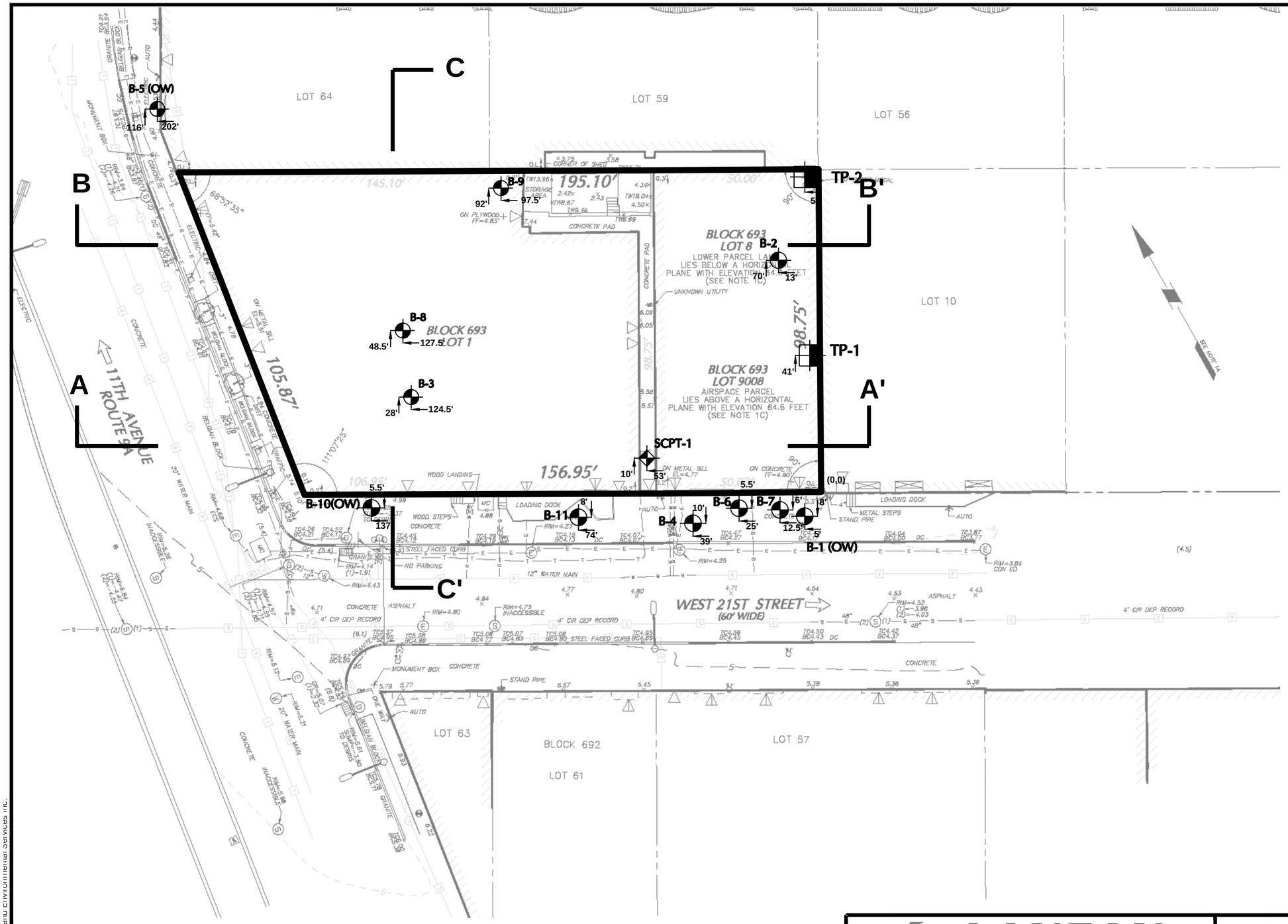

NOTES

1. BASE PLAN FOR BORING LOCATION PLAN WAS OBTAINED FROM ON-GOING SURVEY BY LANGAN ENGINEERING DATED 5 JUNE, 2012.
2. ELEVATIONS ARE REFERENCED TO BOROUGH PRESIDENT MANHATTAN DATUM (BPMD) WHICH IS 2.75 FT ABOVE MEAN SEA LEVEL MEASURED AT SANDY HOOK IN 1929 (NGVD).
3. BORINGS B-1 THROUGH B-7 WERE DRILLED BY AQUIFER DRILLING AND TESTING, INC. BETWEEN 19 OCTOBER AND 3 NOVEMBER 2005.
4. BORINGS B-6 AND B-7 WERE DRILLED USING HOLLOW STEM AUGER (8" DIAMETER) AND NO SAMPLES WERE TAKEN.
5. BORINGS B-8 THROUGH B-11 WERE DRILLED BY WARREN GEORGE, INC. BETWEEN 21 MAY AND 4 JUNE 2012.
6. SEISMIC CPT SCPT-1 WAS PERFORMED BY CONETEC ON 5 JUNE 2012.

SUB-SURFACE PROFILES ARE PRESENTED AS FIGURES 9 THROUGH 11.

LEGEND

B-3 — BORING - 2005 AND 2012 INVESTIGATION

TP-1 — TEST PIT - 2005 INVESTIGATION

(OW) OBSERVATION WELL

SCPT-1 — SEISMIC CPT - 2012 INVESTIGATION

28' 124.5' — COORDINATES FROM (0,0) AT SOUTH EAST CORNER OF PROPERTY ON WEST 21ST STREET

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551 W. 21ST STREET

BORING LOCATION PLAN

MANHATTAN NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	1"=30'	4

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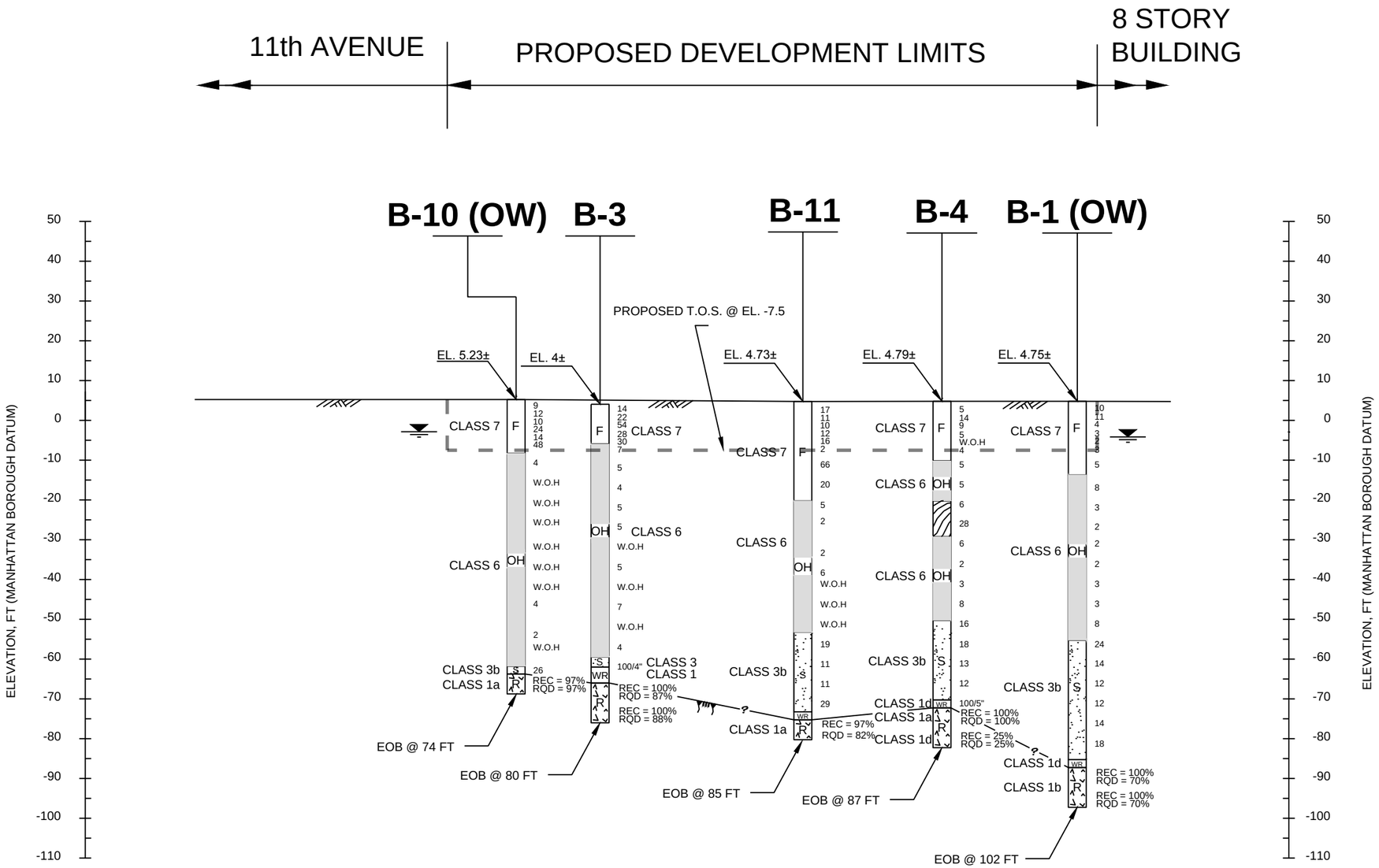

SECTION A-A'

NOTES

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4. BORINGS B–8(OW) THROUGH B–12 WERE DRILLED BY WARREN GEORGE, INC. BETWEEN 21 MAY AND 4 JUNE 2012.

LEGEND

SAND
GRAVEL
BOULDER
SILT
CLAY
TIMBER
UNCONTROLLED FILL
BUILDING LIMITS
GROUND SURFACE
ORGANIC CLAY
WEATHERED ROCK
ROCK

B(OW)
EL
N
X-65

B BORING IDENTIFICATION
EL GROUNDSURFACE ELEVATION AT TIME OF BORING
N STANDARD PENETRATION RESISTANCE
X-65 NEW YORK CITY BUILDING CODE CLASSIFICATION
(OW) GROUNDWATER OBSERVATION WELL
MEASURED GROUNDWATER LEVEL

B-2 GEOTECHNICAL BORING
B-5 (OW) GEOTECHNICAL BORING WITH OBSERVATION WELL
TP-3 TEST PITS

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551 W. 21ST STREET

SECTION A-A'

NEW YORK NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	1"=30'	5

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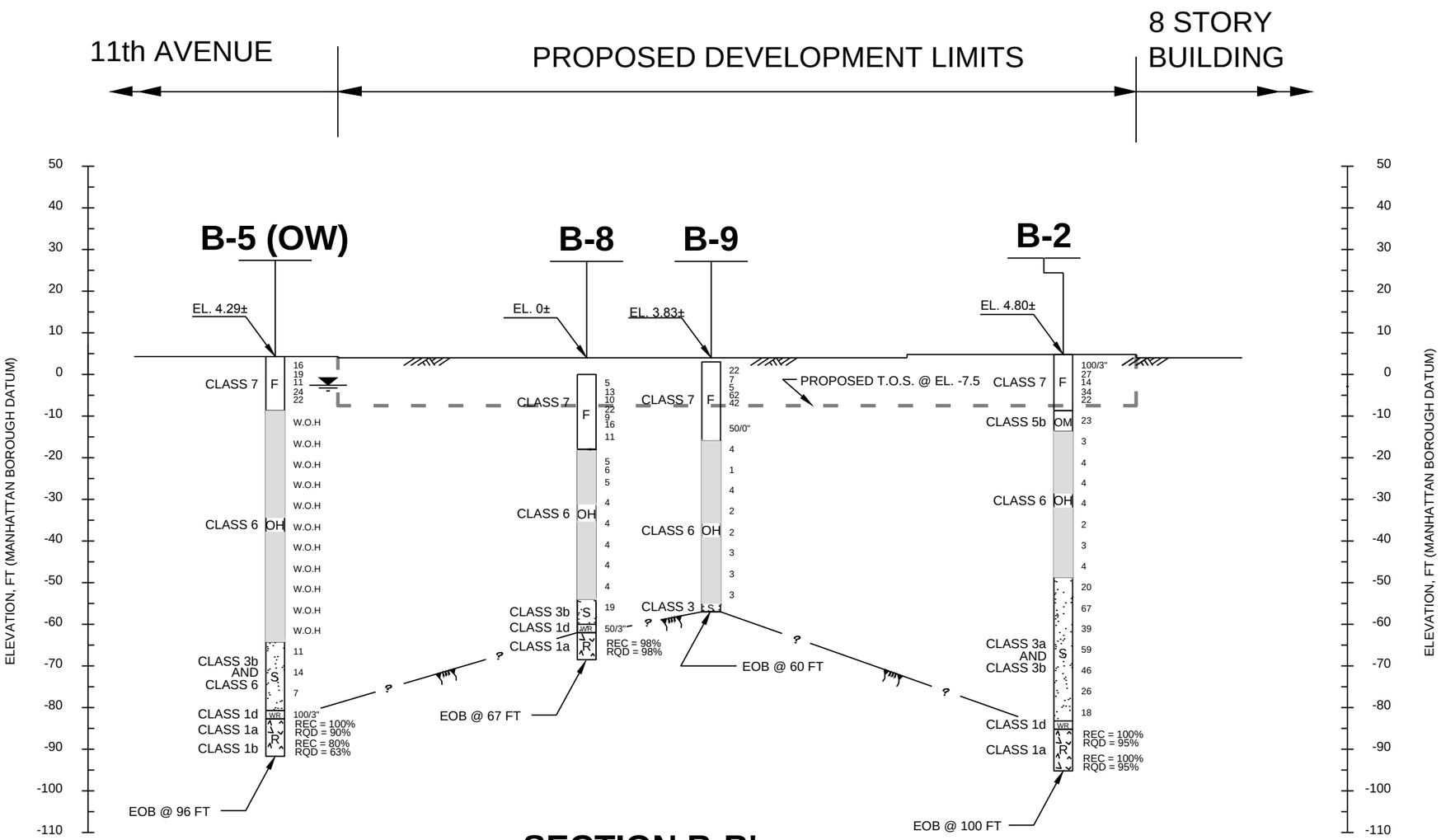

SECTION B-B'

NOTES

1. ELEVATIONS ARE REFERENCED TO BOROUGH PRESIDENT MANHATTAN DATUM (BPMD) WHICH IS 2.75 FT ABOVE MEAN SEA LEVEL MEASURED AT SANDY HOOK IN 1929 (NGVD).
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LEGEND

SAND
GRAVEL
BOULDER
SILT
CLAY
TIMBER
UNCONTROLLED FILL
BUILDING LIMITS
GROUND SURFACE
ORGANIC CLAY
WEATHERED ROCK
ROCK

B(OW)
EL
N
X-65

B BORING IDENTIFICATION
EL GROUNDSURFACE ELEVATION AT TIME OF BORING
N STANDARD PENETRATION RESISTANCE
X-65 NEW YORK CITY BUILDING CODE CLASSIFICATION
(OW) GROUNDWATER OBSERVATION WELL
MEASURED GROUNDWATER LEVEL

B-2 GEOTECHNICAL BORING
B-5 (OW) GEOTECHNICAL BORING WITH OBSERVATION WELL
TP–3 TEST PITS

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551 W. 21ST STREET

SECTION B-B'

NEW YORK NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	1"=30'	6

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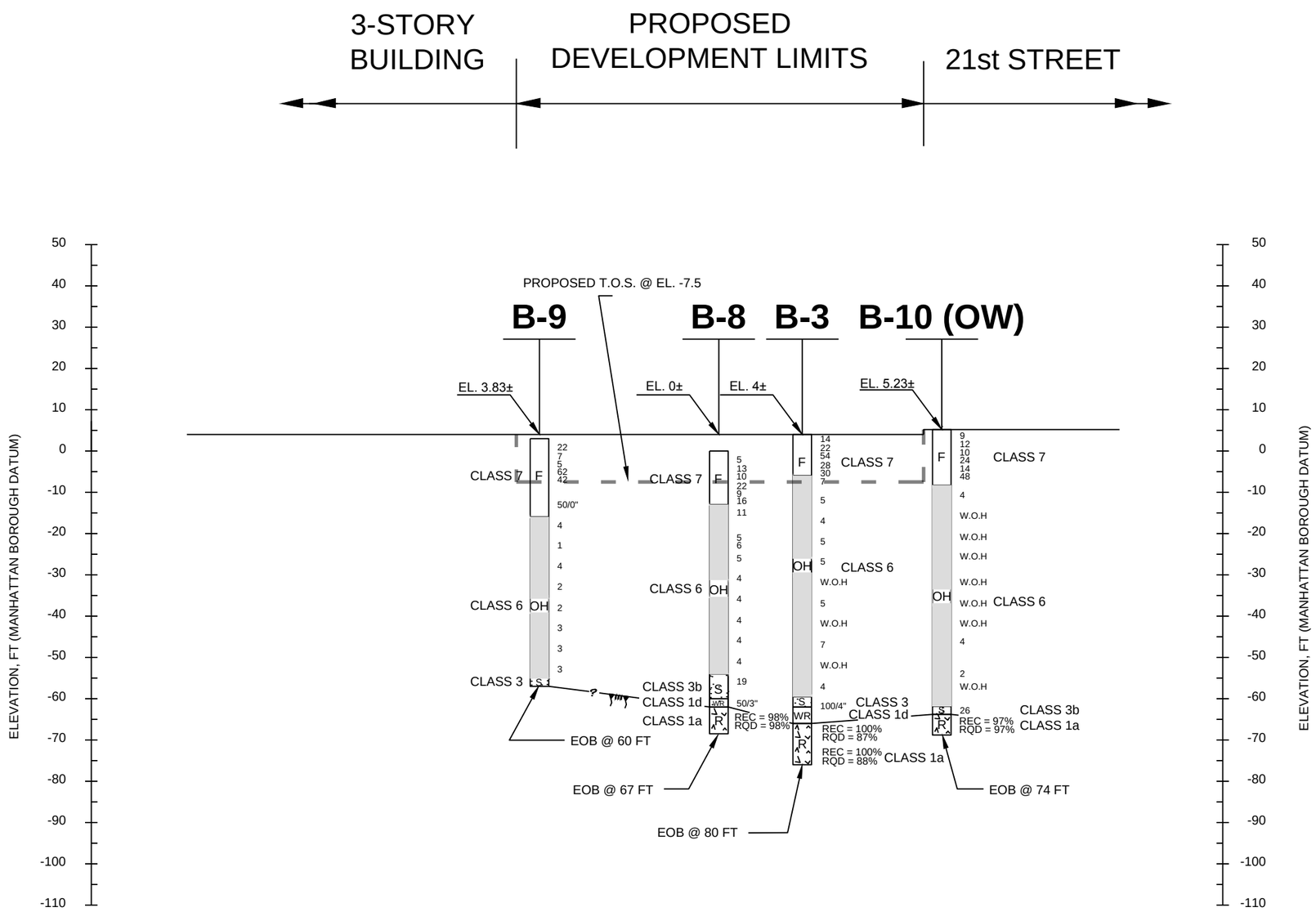

NOTES

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4. BORINGS B–8(OW) THROUGH B–12 WERE DRILLED BY WARREN GEORGE, INC. BETWEEN 21 MAY AND 4 JUNE 2012.

SECTION C-C'

LEGEND

SAND
GRAVEL
BOULDER
SILT
CLAY
TIMBER
UNCONTROLLED FILL
BUILDING LIMITS
GROUND SURFACE
ORGANIC CLAY
WEATHERED ROCK
ROCK

B(OW)
EL
N
X-65

B BORING IDENTIFICATION
EL GROUNDSURFACE ELEVATION AT TIME OF BORING
N STANDARD PENETRATION RESISTANCE
X-65 NEW YORK CITY BUILDING CODE CLASSIFICATION
(OW) GROUNDWATER OBSERVATION WELL
MEASURED GROUNDWATER LEVEL

B-2 GEOTECHNICAL BORING
B-5 (OW) GEOTECHNICAL BORING WITH OBSERVATION WELL
TP–3 TEST PITS

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551 W. 21ST STREET

SECTION C-C'

NEW YORK NEW YORK

Project No.	Date	Scale	Dwg. No.
170193301	07/06/2012	1"=30'	7

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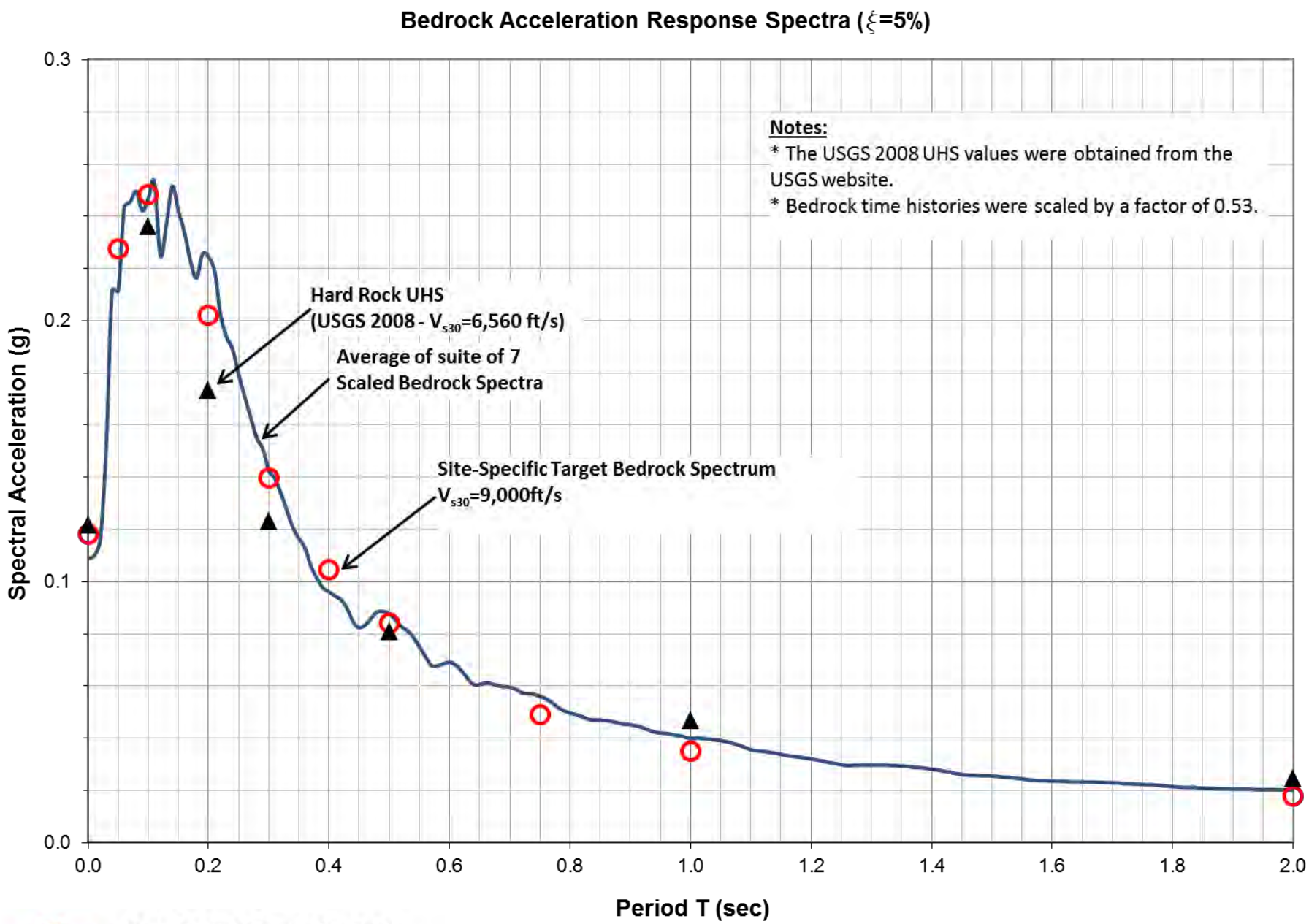

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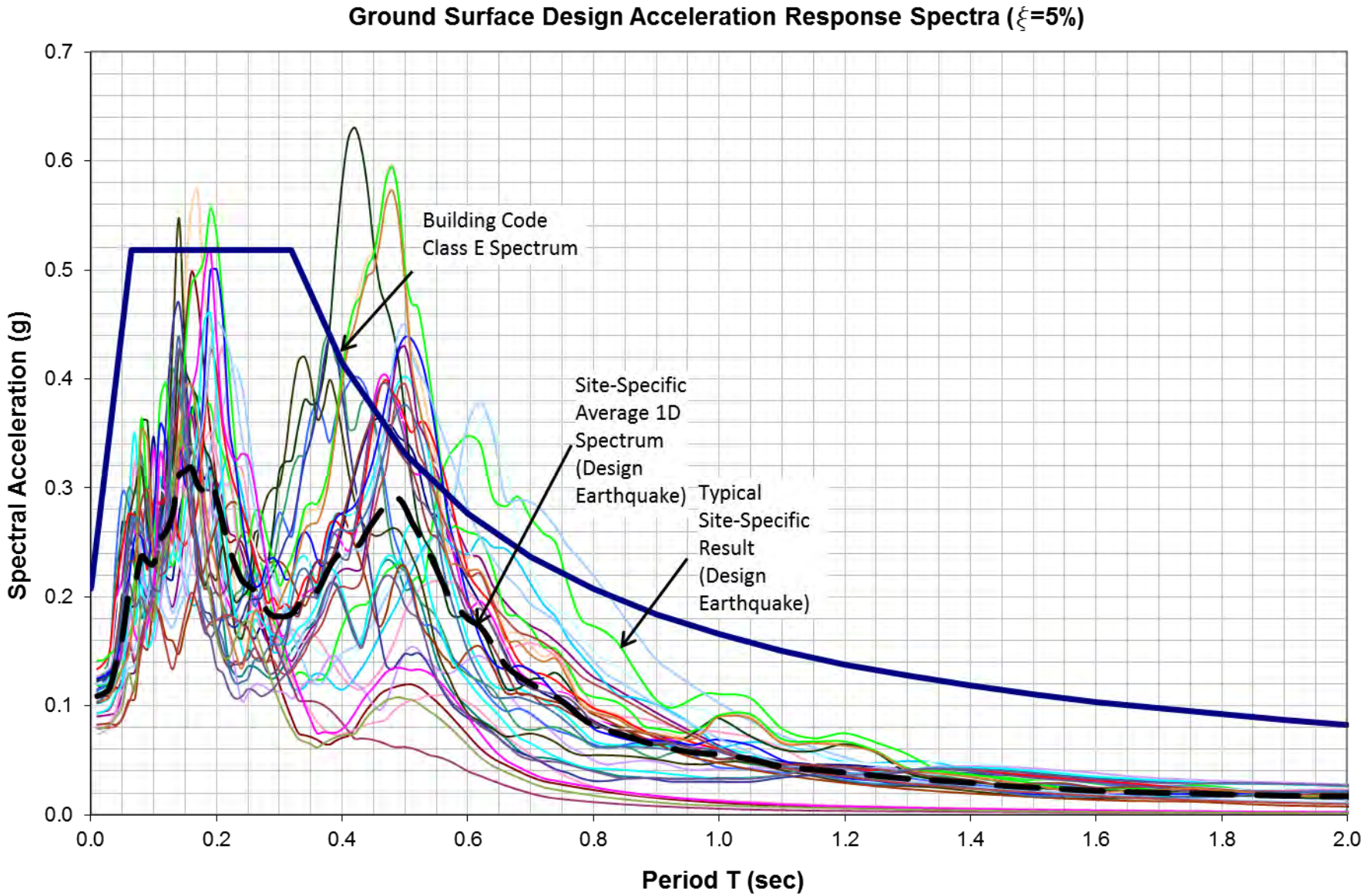
551 West 21th Street

BEDROCK UNIFORM HAZARD SPECTRA

NEW YORK NEW YORK

Project.	170193301	Date	07/06/12	Scale	NTS	Fig. No.	8



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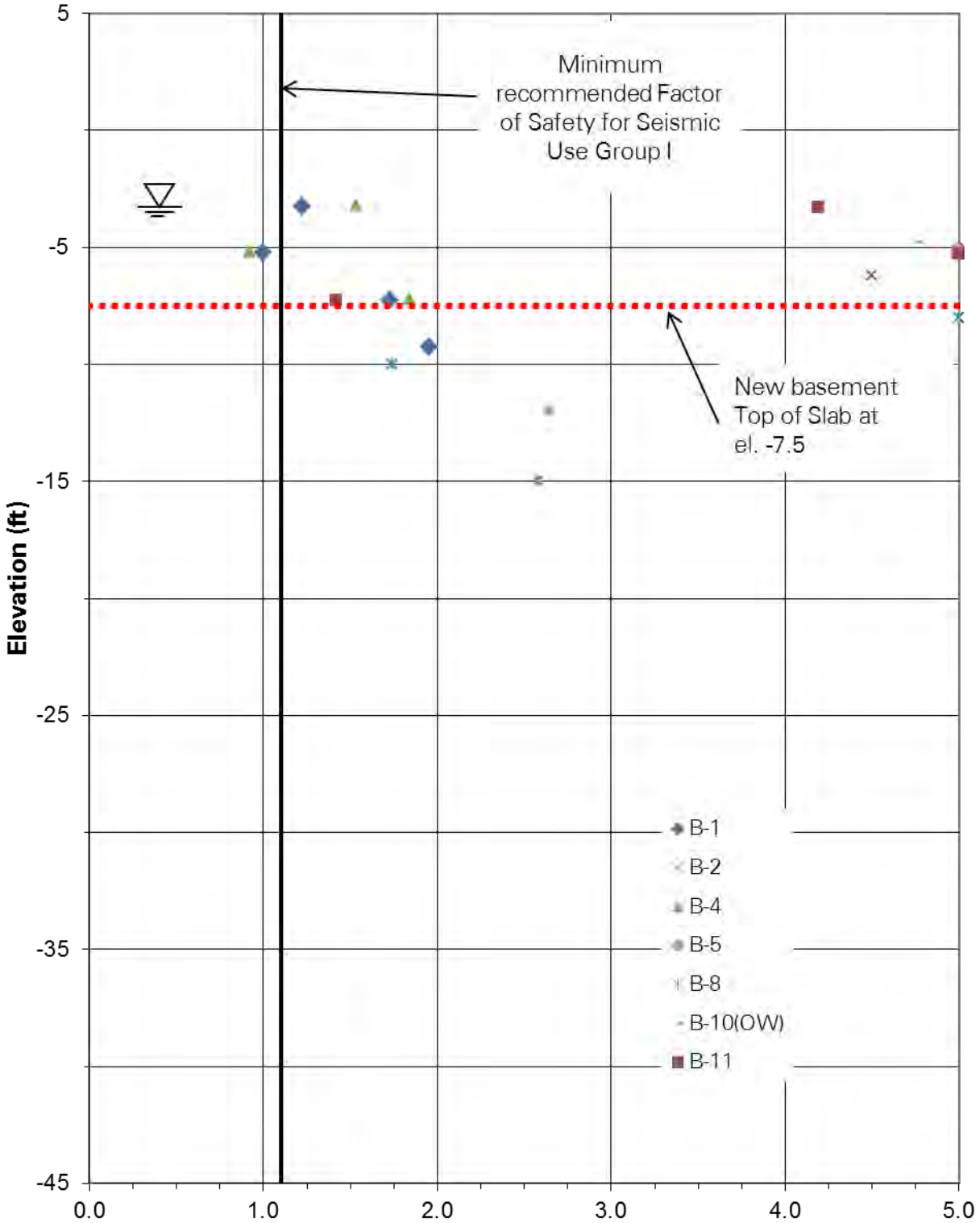
551 West 21th Street

1-D SITE-SPECIFIC RESPONSE SPECTRA – ALL RESULTS

NEW YORK NEW YORK

Project.	170193301	Date	07/06/12	Scale	NTS	Fig. No.	9

Factor of Safety against Liquefaction
Simplified Procedure - Youd et al 2001



NOTE: Factor of Safety values greater than 5 are shown as 5.

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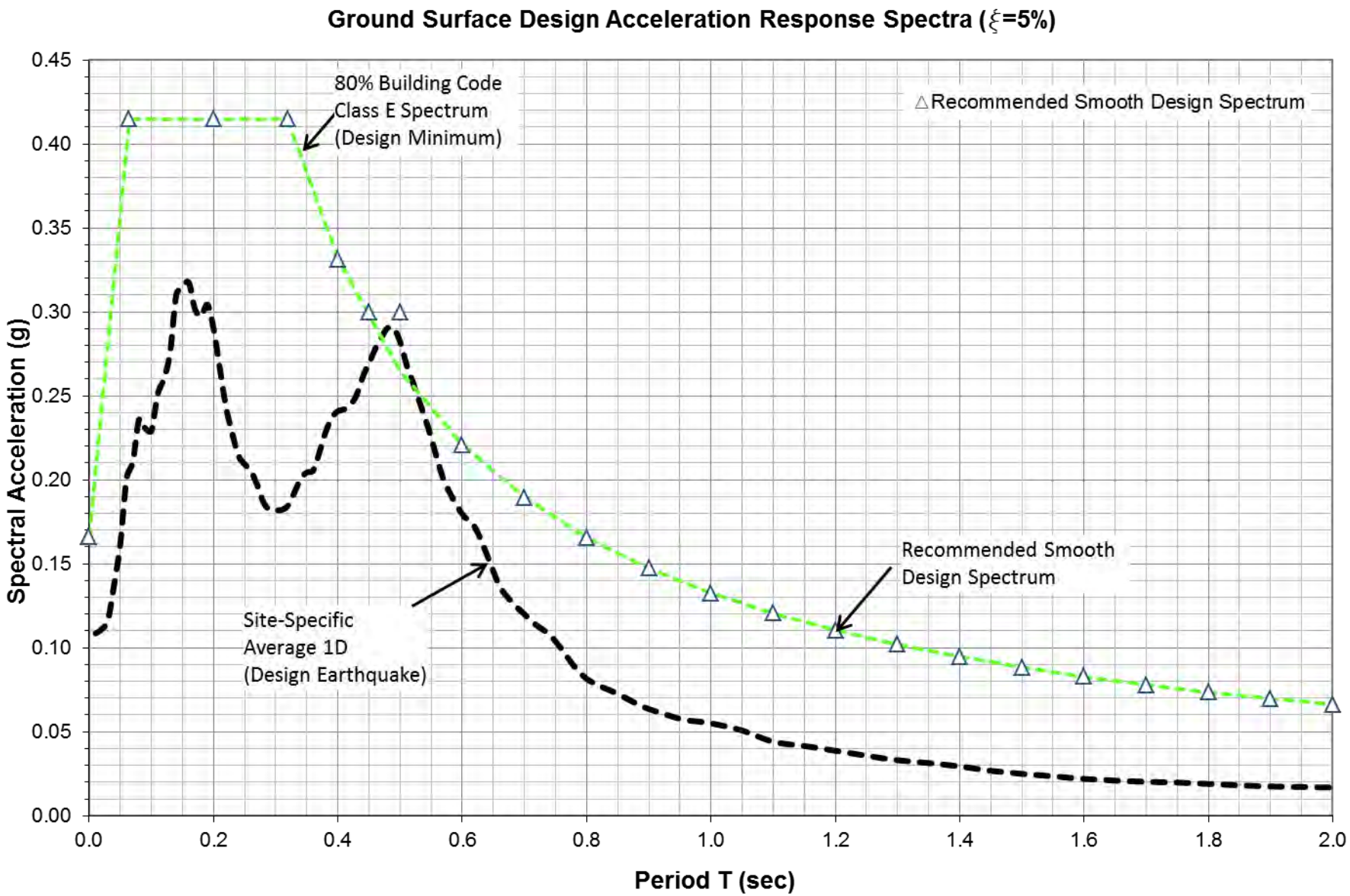
551 West 21th Street

SOIL LIQUEFACTION ASSESSMENT

NEW YORK NEW YORK

Project	170193301	Date	07/06/12	Scale	NTS	Fig.	10



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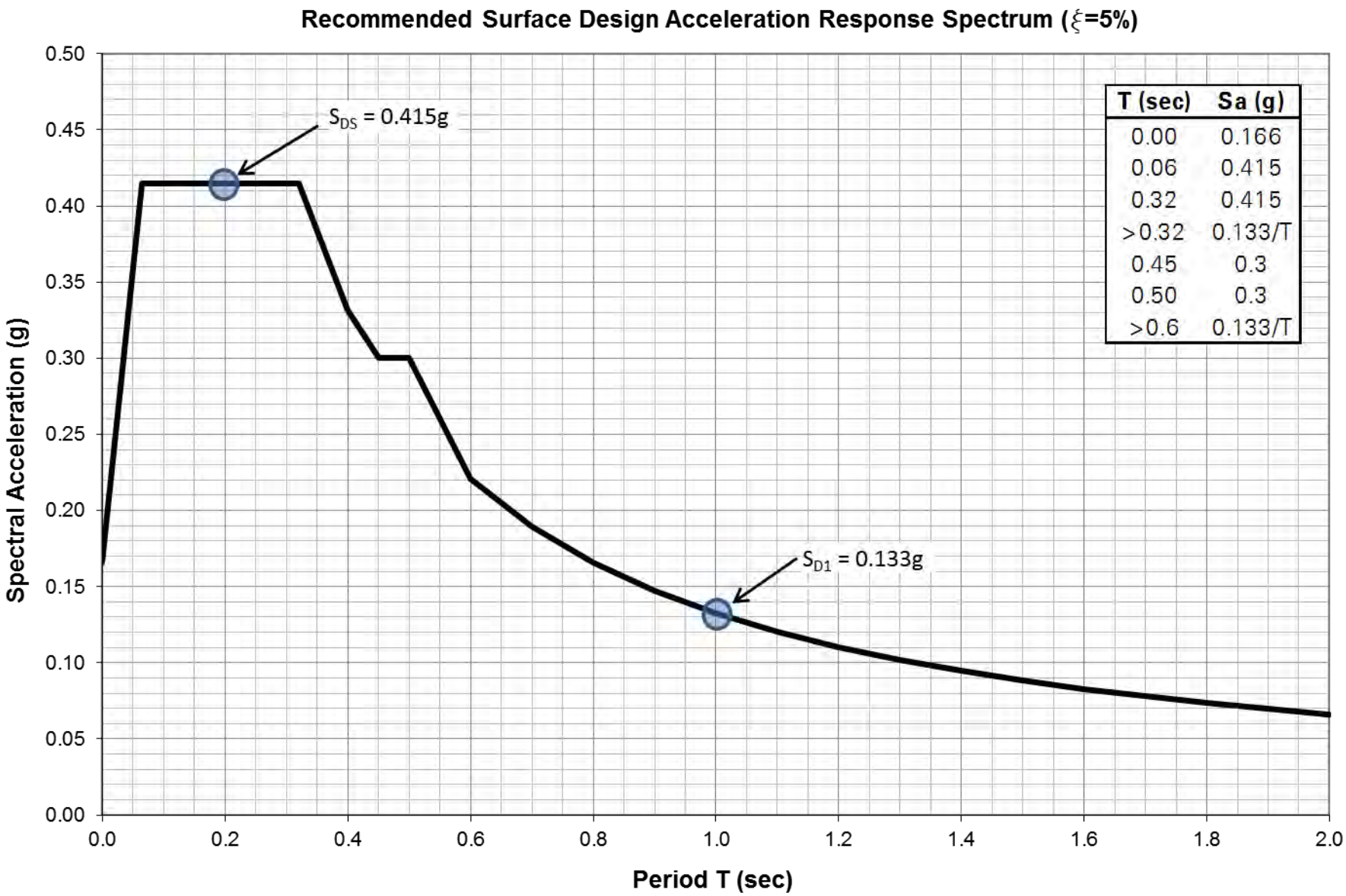
551 West 21th Street

SITE-SPECIFIC DESIGN RESPONSE SPECTRA

NEW YORK NEW YORK

Project.	170193301	Date	07/06/12	Scale	NTS	Fig. No.	11



T (sec)	Sa (g)
0.00	0.166
0.06	0.415
0.32	0.415
>0.32	0.133/T
0.45	0.3
0.50	0.3
>0.6	0.133/T

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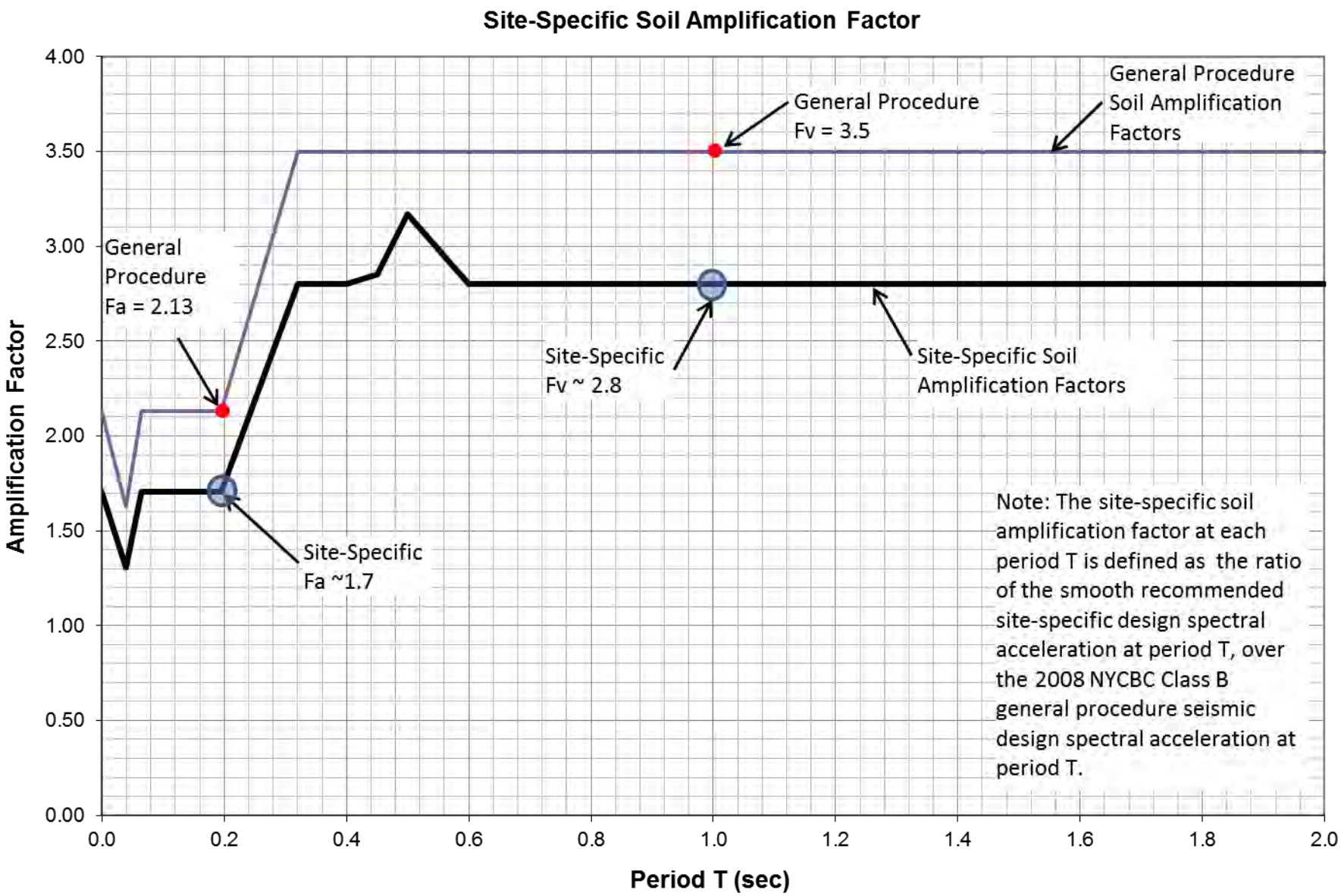
551 West 21th Street

RECOMMENDED SITE-SPECIFIC DESIGN RESPONSE SPECTRUM

NEW YORK NEW YORK

Project.	170193301	Date	07/06/12	Scale	NTS	Fig. No.	12



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551 West 21th Street

SITE-SPECIFIC SOIL AMPLIFICATION FACTORS

NEW YORK NEW YORK

Project.	170193301	Date	07/06/12	Scale	NTS	Fig. No.	13

APPENDIX A

BORING LOGS

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Log of Boring **B-1(OW)** Sheet 1 of 5

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 4.75 BPMD
Drilling Company: Aquifer Drilling and Testing Inc.	Date Started: 10/24/05 — Date Finished: 10/28/05
Drilling Equipment: CME-75 Truck Mounted Drill Rig	Completion Depth: 102 ft — Rock Depth: 92 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit	Number of Samples: Disturbed 21, Undisturbed 0, Core 2
Casing Diameter (in): 4" — Casing Depth (ft): 50'	Water Level (ft.): First ▽ -, Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Safety — Weight (lbs): 140 — Drop (in): 30"	Drilling Foreman: Ed Borner
Sampler: 2" Standard Split Spoon	Inspecting Engineer: Al Bonura
Sampler Hammer: Safety — Weight (lbs): 140 — Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+4.8		1' Concrete Slab						Truck-mounted rig arrived at 9:15 a.m. Set up on B-1 Began drilling at 9:30 a.m. Drilled through 1-ft slab
+3.8	Class 7	**BC: Class 7** Brown GRAVEL, trace brick, some silt, some clay [GP] (Class 7)	1	SS	6	11 5 5 3	10	SS 1' to 3' Drilled to 3'
		Brown GRAVEL, trace brick, some silt, some sand [GP] (Class 7)	2	SS	12	7 7 4 3	11	SS 3' to 5' Drilled to 5' Drove casing to 5'
		Dark gray silty SAND, trace clay, some gravel, trace shell [SM] (Class 7)	3	SS	12	3 1 3 4	4	SS 5' to 7' Drove casing to 7' Drilled to 7'
		WOOD, trace rock fragments (Class 7)	4	SS	1	2 1 2 1	3	SS 7' to 9' Drove casing to 9' Drilled to 9'
		WOOD, trace rock fragments (Class 7)	5	SS	3	3 1 1 7	2	SS 9' to 11' Installed casing to 11' Drilled to 11'
		Dark gray silty SAND, trace brick, trace rock fragments, trace organics [SM] (Class 7)	6	SS		4 1 2 7	3	SS 11' to 13' Drove casing to 13' Drilled to 15'
		Gray to black silty CLAY, shell fragments, trace brick, some silty sand [CH] (Class 7)	7	SS	10	2 2 3 4	5	Drilled to 15'. SS 15' to 17' Drove casing to 18'
-13.3	Class 6	**BC: Class 6**						

Coring (min) — Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

N-Value scale: 10 20 30 40

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Log of Boring **B-1(OW)** Sheet 2 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.75 BPMD

Material Symbol	Elev. (ft)	Building Code	Sample Description	Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Black silty CLAY, trace shell fragments, trace rock fragments, some silty sand [OL] (Class 6)		20–22	8	SS	14	2, 5, 3, 4	8	Drilled to 20'. SS 20' to 22'
			Gray-black silty CLAY, trace shell fragments [OH] (Class 6)		25–27	9	SS	22	2, 1, 2, 1	3	Drilled to 25'. SS 25' to 27' Drove casing to 29'
		Class 6	Gray-black silty CLAY, trace shell fragments [OH] (Class 6)		30–32	10	SS	24	1, 1, 1, 2	2	Drilled to 30'. SS 30' to 32' Drove casing to 35'
			Gray-black silty CLAY, trace shell fragments [OH] (Class 6)		35–37	11	SS	24	1, 1, 1, 1	2	Drilled to 35'. SS 35' to 37' Drove casing to 40'
			Gray-black silty CLAY, trace shell fragments [OH] (Class 6)		40–42	12	SS	24	1, 1, 1, 2	2	Drilled to 40'. SS 40' to 42' Drove casing to 45'

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Log of Boring **B-1(OW)** Sheet 3 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.75 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6	Gray-black silty CLAY, trace shell fragments [OH] (Class 6)	45–47	13	SS	24	1 1 2 2	3	Drilled to 45'. SS 45' to 47'
	Class 6	Gray silty CLAY, trace shell fragments [OH] (Class 6)	50–52	14	SS	24	1 1 2 2	3	Drilled to 50'. SS 50' to 52' Drove casing to 50'
	Class 6	Gray silty CLAY, trace shell fragments, trace gravel [OH] (Class 6)	55–57	15	SS	4	3 3 5 8	8	Drilled to 55'. SS 55' to 57'
-55.3	Class 3b	**BC: Class 3b** Brown c-f silty SAND, trace clay [SM] (Class 3b)	60–62	16	SS	6	11 13 11 17	24	Drilled to 60'. SS 60' to 62'
	Class 3b	Brown c-f silty SAND, trace clay [SM] (Class 3b)	65–67	17	SS	8	9 7 7 7	14	Drilled to 65'. SS 65' to 67' Rod is clogged with sand @ 12:15 p.m. to 1:30 p.m. Drove casing to 55' Drove casing to 60'

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Log of Boring **B-1(OW)** Sheet 4 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.75 BPMD

Elev. (ft)	Building Code	Sample Description	Coring (min)	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				70						Stopped drilling at 2 p.m. 10/25/05-Arrived at 7a.m. Began drilling at 7:45 a.m.
		Brown m-f silty SAND [SM] (Class 3b)		71	18	SS	24	9 6 6 6	12	Drilled to 70'. SS 70' to 72'
				72						
				73						
				74						
				75						Drilled to 75'. SS 75' to 77'
		Brown m-f silty SAND [SM] (Class 3b)		76	19	SS	24	6 6 6 5	12	
				77						
				78						
				79						
				80						Drilled to 80'. SS 80' to 82'
	Class 3b	Brown m-f SAND, trace silt [SP] (Class 3b)		81	20	SS	14	8 6 8 6	14	
				82						
				83						
				84						
				85						Drilled to 85'. SS 85' to 87'
		Red-brown m-f SAND, some gravel, trace silt [SP] (Class 3b)		86	21	SS	10	10 9 9 10	18	
				87						
				88						
				89						
				90						Drilled to 90'. SS 90' to 92' Rig chattering very hard, slow drilling Assumed top of rock @ 92'
-87.3				91						
		BC: Class 1a	05:00	92						Top of rock at 92'
	Class 1a	Gray, hard MICA SCHIST	04:00	93	1	NX CORE BARREL	REC="/60" =%	RQD=42"/60" =70%		
			05:00	94						
				95						

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Log of Boring **B-1(OW)** Sheet 5 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.75 BPMD

MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Class 1a	Gray, slightly fractured MICA SCHIST, slightly weathered joints	04:00, 05:00, 03:00, 03:00, 02:00, 02:30, 02:30	95–101	1, 2	NX CORE BARREL	REC="/60" =%	RQD=42"/60" =70%		
	-97.3		End of boring at 102'		102						Boring completed at 102' below grade. Observation well installed 25' below the grade with 20' screen

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Log of Boring **B-10(OW)** Sheet 1 of 4

Project: 551 West 21st Street		Project No.: 170193301	
Location: Manhattan, NY		Elevation and Datum: APPROX 5.23 BPMD	
Drilling Company: Warren George, Inc.		Date Started: 5/21/12	Date Finished: 5/22/12
Drilling Equipment: DK-525 Track-Mounted Rig		Completion Depth: 74 ft	Rock Depth: 69 ft
Size and Type of Bit: 2 7/8" Tri-Cone Roller Bit/ 3" Thin-Wall Core		Number of Samples: Disturbed 17	Undisturbed 3 / Core 1
Casing Diameter (in): 4"	Casing Depth (ft): 19'	Water Level (ft.): First -	Completion - / 24 HR. -
Casing Hammer: Donut	Weight (lbs): 140 / Drop (in): 30"	Drilling Foreman: Jim Wilson	
Sampler: 2" Standard Split Spoon/ 2" NX Core Barrel		Inspecting Engineer: Corrie Campbell	
Sampler Hammer: Donut	Weight (lbs): 140 / Drop (in): 30"		

Elev. (ft)	Building Code	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+5.2								
+4.7		6" concrete slab						5/21/2012-Langan arrives on site at 7:00 a.m. Warren George arrives at 8:33 a.m. Begin B-10(OW) at 10:45 a.m.
	Class 7	**BC: Class 7** Dark brown m-f gravelly SAND, trace concrete, trace silt [SP] (Class 7)	1	SS	18	4 3 6 7	9	Drill through 6" concrete slab SS 1' to 3'
		Dark brown c-f SAND, some gravel, trace silt [SP] (Class 7)	2	SS	13	3 4 8 12	12	SS 3' to 5'
		Dark brown c-f SAND, some gravel, trace asphalt, trace silt [SP] (Class 7)	3	SS	15	6 6 4 6	10	SS 5' to 7' Drill to 7' Brown wash, some rig chatter
		Brown f. silty SAND and organic CLAY [SM and OH] (Class 7)	4	SS	8	9 12 12 8	24	SS 7' to 9'
		Brown f. silty SAND and organic CLAY with some gravel [SM and OH] (Class 7)	5	SS	8	10 4 10 7	14	SS 9' to 11' Install 9' of casing from 0' to 9'
		Black f. silty SAND and PEAT [SM and OH] (Class 7)	6	SS	24	9 23 25 38	48	SS 10' to 12' Gasoline odor
-8.3		**BC: Class 6**						
	Class 6	Gray organic CLAY with trace gravel, some silt [OH] (Class 6)	7	SS	15	2 2 2 2	4	Add water to tub Drill to 15' Gasoline odor, brown wash Slight rig chatter Wash turns black at 10' SS 15' to 17'

Depth Scale: 0 – 20

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-10(OW)** Sheet 2 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 5.23 BPMD

Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Sample Description	Building Code	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
20								Install 10' of casing from 9' to 19'
21	8	SS	19	WOH WOH WOH WOH	0	Gray silty CLAY [OH] (Class 6)		Drill to 20' Black wash, gasoline odor Organic clay in return SS 20' to 22'
22								
23								
24								
25								Drill to 25' Gray wash Smooth, fast drilling SS 25' to 27'
26	9	SS	22	WOH WOH WOH WOH	0	Gray silty CLAY [OH] (Class 6)		
27								
28								
29								
30								Drill to 30' Gray wash Smooth, fast drilling SS 30' to 32'
31	10	SS	24	WOH WOH WOH WOH	0	Gray silty CLAY, trace shell [OH] (Class 6)		
32							Class 6	
33								
34								
35								Drill to 35' Gray wash Smooth, fast drilling SS 35' to 37'
36	11	SS	24	WOH WOH WOH WOH	0	Gray silty CLAY, trace shell [OH] (Class 6)		
37								
38								
39								
40								Drill to 40' Gray wash Smooth, fast drilling SS 40' to 45'
41	12	SS	24	WOH WOH WOH WOH	0	Gray silty CLAY, trace shell [OH] (Class 6)		
42								
43								
44								
45								

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Log of Boring **B-10(OW)** Sheet 3 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 5.23 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6	Gray silty CLAY, trace shell [OH] (Class 6)	13	SS	24	WOH WOH WOH WOH	0	Add more water to tub Drill to 45' Gray wash Smooth, fast drilling SS 45' to 47'
			1	UNDIST	24			Drill to 47' Take UD-1 with Shelby Tube from 47' to 49'
		Gray silty CLAY [OH] (Class 6)	14	SS	24	WOH WOH 4 4	4	Drill to 49' Gray wash Smooth, fast drilling SS 49' to 51'
			2	UNDIST	24			Drill to 55' Gray wash Smooth, fast drilling Take UD-1 with Shelby Tube from 55' to 57'
		Gray silty CLAY, trace shell [OH] (Class 6)	15	SS	24	WOH WOH 2 2	2	SS 55' to 57'
		Gray silty CLAY, trace shell [OH] (Class 6)	16	SS	24	WOH WOH WOH 4	0	Drill to 60' Gray wash Smooth, fast drilling SS 60' to 62'
			3	UNDIST	16			Drill to 65' Gray wash Smooth, fast drilling Take UD-3 with Shelby Tube from 65' to 67'
-61.8	Class 3b	**BC: Class 3b** Gray m-f clayey SAND, trace silt (wet) [SC] (Class 3b)	17	SS	24	6 11 15 19	26	Push 20" until hit a harder material Drill to 67' Gray wash Smooth, fast drilling SS 67' to 69'
-63.8	Class 1a	**BC: Class 1a**	1					Hit rock at 69' Start coring at 1:15 p.m.

Depth Scale: 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

N-Value scale: 10 20 30 40

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Log of Boring **B-10(OW)** Sheet 4 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 5.23 BPMD

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Class 1a	Gray and white, slightly weathered GRANITE (Class 1a)	70 71 72 73	1	NX CORE BARREL	REC=''/60'' =%	RQD=58''/60'' =97%		
	-68.8		End of Boring at 74'	74						Done coring at 1:42 p.m. Install GW well in B-10(OW) to a depth of 12'
				75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95						

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Log of Boring **B-11** Sheet 1 of 4

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 4.73 BPMD
Drilling Company: Warren George, Inc.	Date Started: 5/23/12 — Date Finished: 5/24/12
Drilling Equipment: DK-525 Track-Mounted Rig	Completion Depth: 85 ft — Rock Depth: 80 ft
Size and Type of Bit: 2 7/8" Tri-Cone Roller Bit/ 3" Thin-Wall Core	Number of Samples: Disturbed 19, Undisturbed 3, Core 1
Casing Diameter (in): 4" — Casing Depth (ft): 19'	Water Level (ft.): First ▽ 8', Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	Drilling Foreman: Jim Wilson
Sampler: 2" Standard Split Spoon/ 2" NX Core Barrel	Inspecting Engineer: Corrie Campbell
Sampler Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+4.7								Drill through approx. 8" concrete slab
+4.1		Approx. 8" concrete slab						
		BC: Class 7						SS 1' to 3'
		Dark brown m-f SAND, some c-f gravel, some silt, trace brick, trace concrete [SP] (Class 7)	1	SS	8	10 8 9 8	17	
								SS 3' to 5' Drill to 5'
		Dark brown m-f SAND, some c-f gravel, some silt, trace brick [SP] (Class 7)	2	SS	10	4 5 6 7	11	
								Add more water to tub SS 5' to 7'
		Mottled silty f. SAND, trace gravel, trace brick [SM] (Class 7)	3	SS	14	2 5 5 4	10	
								Drill to 7' Brown wash SS 7' to 9' Install casing from 0' to 9'
		Dark brown m-f silty SAND, trace c-f gravel, trace brick [SM] (Class 7)	4	SS	9	9 6 6 3	12	
								Drilled to 9'. SS 9' to 11'
	Class 7	Dark brown m-f silty SAND and black PEAT [SM] (Class 7)	5	SS	10	13 8 8 5	16	
								SS 11' to 13'
		Dark gray m-f silty SAND, some f gravel, trace brick [SM] (Class 7)	6	SS	4	3 1 1 2	2	
		Dark brown m-f SAND, trace f. gravel, trace silt, trace mica [SP] (Class 7)	7	SS	9	2 30 36 35	66	Drilled to 15'. Brown wash, smooth drilling SS 15' to 17'

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

N-Value scale: 10 20 30 40

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Log of Boring **B-11** Sheet 2 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.73 BPMD

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Class 7	Brown m-f SAND, trace f. gravel, some silt, trace mica [SP] (Class 7)	20–22	8	SS	10	7, 12, 8, 14	20	Drilled to 20'. Brown wash, smooth drilling Rig chatter from 19' to 20' SS 20' to 22'
	-20.3	Class 6	**BC: Class 6**	25–26	9	SS	20	4, 2, 3, 4	5	Drilled to 25'. Brown to black wash Loose water from 21' to 25' Rig chatter from 21' to 23' SS 25' to 27'
			Black organic silty CLAY [OH] (Class 6)	26–27						
				27–28	1	UNDIST	24			Install casing from 19' to 26' Drill to 27' Smooth drilling, gray wash Take UD-1 with Shelby Tube from 27' to 29'
			Black organic silty CLAY [OH] (Class 6)	29–30	10	SS	24	1, 1, 1, 1	2	SS 29' to 31'
				35–36	2	UNDIST	18			Drilled to 35'. Gray wash, smooth drilling UD-2 with Shelby Tube from 35' to 37'
			Gray organic silty CLAY, trace shells [OH] (Class 6)	37–38	11	SS	24	1, 1, 1, 3	2	SS 37' to 39'
				40–41	3	UNDIST	24			Drilled to 40'. Gray wash, smooth drilling UD-3 with Shelby Tube from 40' to 42'
			Gray organic silty CLAY, trace sand [OH] (Class 6)	42–43	12	SS	24	WOH, WOH, 6, 5	6	

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Log of Boring **B-11** Sheet 3 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.73 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6	Gray organic silty CLAY, trace sand [OH] (Class 6)	13	SS	22	WOH WOH WOH WOH	0	Drilled to 45'. Gray wash, smooth drilling SS 45' to 47'
	Class 6	Gray organic silty CLAY, trace sand [OH] (Class 6)	14	SS	22	WOH WOH WOH WOH	0	Drilled to 50'. Gray wash, smooth drilling SS 50' to 55'
	Class 6	Gray organic silty CLAY, trace sand, trace shells [OH] (Class 6)	15	SS	24	WOH WOH WOH 3	0	Drilled to 55'. Gray wash, smooth drilling SS 55' to 57'
-53.8	Class 3b	**BC: Class 3b**						
	Class 3b	Brown m-f silty SAND [SM] (Class 3b)	16	SS	24	5 8 11 13	19	Drilled to 60'. Gray wash, smooth drilling SS 60' to 62'
	Class 3b	Brown sandy SILT [ML] (Class 5b)	17	SS	24	4 5 6 8	11	Drilled to 65'. Gray wash, smooth drilling SS 65' to 67'

Depth Scale: 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

N-Value scale: 10 20 30 40

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Log of Boring **B-11** Sheet 4 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.73 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 3b	Brown m-f SAND, some silt [SP] (Class 3b)	70–72	18	SS	24	4, 5, 6, 8	11	Drilled to 70'. Brown wash, smooth drilling SS 70' to 72'
	Class 3b	Brown m-f silty SAND [SM] (Class 3b)	75–77	19	SS	24	7, 14, 15, 11	29	Drilled to 75'. Brown wash, smooth drilling SS 75' to 77'
-74.3	Class 1b	**BC: Class 1b**	79						
	Class 1b	Gray MICA SCHIST with slightly weathered fractures (Class 1b)	80–85	1	NX CORE BARREL	REC=''/60'' =%	RQD=49''/60'' =82%		Drilled to 80'. Brown wash, smooth drilling Rig chatter from 79' to 80' Slow drilling Hit rock at 80'
-80.3		End of boring at 85'	85						End of boring at 85'

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Log of Boring **B-2** Sheet 1 of 5

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 4.80 BPMD
Drilling Company: Aquifer Drilling and Testing Inc.	Date Started: 10/21/05 — Date Finished: 10/27/05
Drilling Equipment: DK-515 Davey Drill Rig	Completion Depth: 100 ft — Rock Depth: 90 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit	Number of Samples: Disturbed 20, Undisturbed 0, Core 2
Casing Diameter (in): 4" — Casing Depth (ft): 25'	Water Level (ft.): First ▽ -, Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	Drilling Foreman: Ed Borner
Sampler: 2" Standard Split Spoon	Inspecting Engineer: Al Bonura
Sampler Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Casing blws/ ft	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+4.8		6" Concrete Slab						10/21/2005-Arrived at site at 7 a.m. Mobilized to hole B-2 Began drilling at 1:40 p.m.
+4.3	Class 7	**BC: Class 7**	PUSH					Hard drilling to 2' SS 2' to 4' Drill to 4'
		Brown c-f GRAVEL, some sand, trace brick, trace asphalt [GP] (Class 7)	3	1	SS	11	8	SS 4' to 6' Stopped drilling at 2:30 p.m.
		Brown c-f GRAVEL, trace silt, trace brick, trace rock, some asphalt [GP] (Class 7)	2 9	2	SS	5	19 12 15 9	10/24/2005-Arrived at 7 a.m. Rig broken, fixed at 1:35 Continue drilling at 1:45 p.m. Drilled to 6' SS 6' to 8'
		Brown c-f GRAVEL, some sand, trace brick, trace rock fragments, trace silt [GP] (Class 7)	17 18	3	SS	6	15 7 7 9	Drilled to 8' SS 8' to 10'
		Brown c-f GRAVEL, some sand, trace brick, trace silt [GP] (Class 7)		4	SS	6	15 19 15 13	Drilled to 10' SS 10' to 12' Drove casing to 15'
		Brown c-f GRAVEL, some sand, trace brick, trace silt [GP] (Class 7)		5	SS	10	9 15 7 12	Drilled to 15' SS 15' to 17' Advanced casing to 20'
-8.7	Class 6	**BC: Class 6**						
		Gray-black organic SILT, some sand, trace shell fragments [OL] (Class 6)		6	SS	6	9 7 16 7	

Sample Data — N-Value (Blows/ft): 10 20 30 40; 27, 14, 34, 22, 23

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Log of Boring **B-2** Sheet 2 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.80 BPMD

Material Symbol	Elev. (ft)	Building Code	Sample Description	Casng blws/ ft	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					20						Drilled to 20' SS 20' to 22' Advanced casing to 25'
			Gray silty CLAY, trace shell fragments [OH] (Class 6)		21–22	7	SS	10	WOH 1 2 2	3	
					23–25						Drilled to 25' SS 25' to 27'
			Gray silty CLAY [OH] (Class 6)		26–27	8	SS	20	3 1 3 5	4	
					28–30						Drilled to 30' SS 30' to 32'
			Gray silty CLAY, trace shell fragments [OH] (Class 6)		31–32	9	SS	22	1 2 2 2	4	
		Class 6			33–35						Drilled to 35' SS 35' to 37'
			Gray silty CLAY, trace shell fragments [OH] (Class 6)		36–37	10	SS		WOH 2 2 2	4	
					38–40						Drilled to 40' SS 40' to 45'
			Gray silty CLAY, trace shell fragments [OH] (Class 6)		41–42	11	SS	22	2 1 1 2	2	
					43–45						

N-Value scale: 10 20 30 40

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Log of Boring **B-2** Sheet 3 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.80 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			45						Drilled to 45' SS 45' to 47'
	Class 6	Gray silty CLAY, trace shell fragments [OH] (Class 6)	46–48	12	SS	20	2, 2, 1, 1	3	
			49–50						Drilled to 50' SS 50' to 52'
		Gray silty CLAY, trace shell fragments [OH] (Class 6)	51–53	13	SS	24	1, 2, 2, 3	4	
-48.7		**BC: Class 3**	54						
			55						Drilled to 55' SS 55' to 57'
		Gray-brown m-f silty SAND, trace clay, trace rock [SM] (Class 3b)	56–58	14	SS	12	9, 5, 15, 18	20	
			59						
			60						Drilled to 60' SS 60' to 62'
	Class 3	Red-brown f. silty SAND [SM] (Class 3a)	61–62	15	SS	12	20, 30, 37	67	
			63						
			64						
			65						Drilled to 65' SS 65' to 67'
		Red-brown m-f silty SAND [SM] (Class 3a)	66–68	16	SS	8	18, 19, 20, 22	39	
			69						
			70						

Casng blws/ ft

Sample Data

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-2** Sheet 4 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.80 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
								Drilled to 70' SS 70' to 72'
		Brown c-f silty SAND, trace clay [SM] (Class 3a)	17	SS	8	9 25 34 30	59	
								Drilled to 75' SS 75' to 77'
		Brown m-f silty SAND [SM] (Class 3a)	18	SS	10	17 25 21 20	46	
	Class 3							Drilled to 80' SS 80' to 82'
		Brown m-f silty SAND [SM] (Class 3a)	19	SS	12	8 11 15 17	26	
								Drilled to 85' Stopped drilling at 2:15 p.m. SS 85' to 87'
		Brown m-f silty SAND [SM] (Class 3b)	20	SS	20	6 3 15 30	18	Hard drilling between 88' and 90' Possible decomposed rock
-85.2		**BC: Class 1a**						Hit rock at 90'
	Class 1a	Gray, very hard, fresh MICA SCHIST (Class 1a)	1	NX CORE BARREL	REC="/60" =%	RQD=57"/60" =95%		

Depth Scale: 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95

Casng blws/ ft

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-2** Sheet 5 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.80 BPMD

MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Casng blws/ ft	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Class 1a	Gray, very hard, fresh MICA SCHIST (Class 1a)		95–99	2	NX CORE BARREL	REC="/60" =%	RQD=57"/60" =95%		
	-95.2		End of boring at 100'		100						Boring completed at 100' below grade

Depth Scale: 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120

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Log of Boring **B-3** Sheet 1 of 4

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 4 BPMD
Drilling Company: Aquifer Drilling and Testing Inc.	Date Started: 10/14/05 — Date Finished: 10/19/05
Drilling Equipment: DK-515 Davey Drill Rig	Completion Depth: 80 ft — Rock Depth: 70 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit	Number of Samples: Disturbed 17, Undisturbed 0, Core 2
Casing Diameter (in): 4" — Casing Depth (ft): 24'	Water Level (ft.): First ▽ -, Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	Drilling Foreman: Tim Vanness
Sampler: 2" Standard Split Spoon	Inspecting Engineer: Cem Altuntas
Sampler Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+4.0								
+3.8		Approx. 2"-thick concrete slab						10/14/2005-Start drilling at 12:00 a.m.
	Class 7	**BC: Class 7**						
		Gray/black gravelly SAND, trace clay, trace brick fragments [SP] (Class 7)	1	SS	4	6 6 8 15	14	SS 1' to 3'
		Gray gravelly SAND, trace clay, trace brick fragments [SP] (Class 7)	2	SS	3	10 12 10 12	22	SS 3' to 5'; Installed casing to 4'.
		Gray gravelly SAND, trace clay, trace brick fragments [SP] (Class 7)	3	SS	4	6 11 43 34	54	SS 5' to 7'
		No Recovery	4	SS	NR	30 15 13 15	28	SS 7' to 9'
		Gray c-f silty SAND, trace gravel, trace brick [SM] (Class 7)	5	SS	10	5 12 18 51	30	Casing installed to 8'; SS 9' to 11'
-6.0	Class 6	**BC: Class 6**						
		Dark gray silty CLAY, trace shell fragments, trace sand [OH] (Class 6)	6	SS	5	5 4 3 1	7	
		Gray silty CLAY, trace sand [OH] (Class 6)	7	SS	2	8 2 3 4	5	Drilled to 15'. SS 15' to 17'

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

Casing blws/ ft; Coring (min)

N-Value scale: 10 20 30 40

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Log of Boring **B-3** Sheet 2 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4 BPMD

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			No Recovery	20–22	8	SS	NR	3 2 2 2	4	10/15/2005-2:30 p.m. stopped drilling 10/18/2005-7:30 a.m. started drilling Drilled to 20'. SS 20' to 22'
			Gray silty CLAY [OH] (Class 6)	25–27	9	SS	24	WOH 2 3 2	5	Installed casing to 24' Drilled to 25'. SS 25' to 27'
		Class 6	Dark gray silty CLAY [OH] (Class 6)	30–32	10	SS	24	2 2 3 4	5	Drilled to 30'. SS 30' to 32'
			Gray silty CLAY, trace shell fragments [OH] (Class 6)	35–37	11	SS	18	WOH WOH WOH 7	0	Drilled to 35. SS 35' to 37'
			Gray silty CLAY, trace shell fragments [OH] (Class 6)	40–42	12	SS	24	4 2 3 3	5	Drilled to 40'. SS 40' to 42'

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-3** Sheet 3 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6	Gray silty CLAY [OH] (Class 6)	45–47	13	SS	24	WOH WOH WOH WOH	0	Drilled to 45'. SS 45' to 47'
	Class 6	Gray silty CLAY [OH] (Class 6)	50–52	14	SS	24	WOH 3 4 3	7	Drilled to 50' SS 50' to 52'
	Class 6	Gray silty CLAY [OH] (Class 6)	55–57	15	SS	20	WOH WOH 5 6	5	Drilled to 55' SS 55' to 57'
	Class 6	Gray silty CLAY [OH] (Class 6)	60–62	16	SS	24	1 1 3 4	4	Drilled to 60' SS 60' to 62'
-60.0	Class 3	**BC: Class 3** Gray silty SAND, trace clay [SM] (Class 3a)	65–67	17	SS	16	6 5		Hard drilling to 65' Possible gravel layer SS 65' to 67'
			68–70						Very hard drilling from 65' to 70' 10/18/2005-Stopped drilling at 2:30 p.m. Started drilling at 7:45 a.m.

Casng blws/ ft
Coring (min)

Depth Scale: 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-3** Sheet 4 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
-66.2		No Recovery	70	18	S[illegible]	2	100/2""		10/19/2005 Hit rock layer at 70'
		BC: Class 1a Gray, very hard, MICA SCHIST (Class 1a)	71						
			72	1	NX CORE BARREL	REC="/60" =%	RQD=52"/60" =87%		
			73						
			74						
	Class 1a		75						
		Gray, very hard MICA SCHIST	76						
			77	2	NX CORE BARREL	REC="/60" =%	RQD=53"/60" =88%		
			78						
			79						
-76.2		End of boring at 80'	80						Boring completed at 80' below grade at 1:00 p.m. 10/19/2005
			81						
			82						
			83						
			84						
			85						
			86						
			87						
			88						
			89						
			90						
			91						
			92						
			93						
			94						
			95						

Casng blws/ ft
Coring (min)

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-4** Sheet 1 of 4

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 4.79 BPMD
Drilling Company: Aquifer Drilling and Testing Inc.	Date Started: 11/1/05 / Date Finished: 11/2/05
Drilling Equipment: DK-515 Davey Drill Rig	Completion Depth: 87 ft / Rock Depth: 77 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit	Number of Samples: Disturbed 19, Undisturbed 0, Core 2
Casing Diameter (in): 4" / Casing Depth (ft): 24'	Water Level (ft.): First ▽ -, Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Donut / Weight (lbs): 140 / Drop (in): 30"	Drilling Foreman: Tim Vanness
Sampler: 2" Standard Split Spoon	Inspecting Engineer: Cem Altuntas
Sampler Hammer: Donut / Weight (lbs): 140 / Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Casng blws/ ft Coring (min)	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+4.8		**BC: Class 7**							11/01/2005-10:45 a.m. started drilling Drilled to 1'. SS 1' to 3'
	Class 7	Dark brown/black c-f gravelly SAND, trace brick [SP] (Class 7)	PUSH	1	SS	10	4 2 3 2	5	SS 3' to 5'
		Dark gray m-f silty SAND, trace brick [SM] (Class 7)		2	SS	12	7 8 6 7	14	Installed casing to 4'. Lost some drill water SS 5' to 7'
		Dark gray/black m-f silty SAND and WOOD, trace brick [SM] (Class 7)		3	SS	10	3 6 3 4	9	SS 7' to 9' Casing installed to 8' below the grade
		3-inch long WOOD (Class 7)		4	SS	3	17 3 2 1	5	SS 9' to 11'
		WOOD and BRICK (Class 7)		5	SS	4	1 WOH WOH WOH	0	SS 11' to 13'
-8.2		Dark gray f. silty SAND, trace brick [SM] (Class 7)		6	SS		1 2 2 1	4	
		BC: Class 6							
	Class 6	Dark gray/black CLAY, trace wood [OH] (Class 6)		7	SS	15	1 3 2 1	5	Drilled to 15'. SS 15' to 17'

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

N-Value scale: 10 20 30 40

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Log of Boring **B-4** Sheet 2 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.79 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6	Dark gray/black CLAY [OH] (Class 6)	8	SS	24	1 2 3 1	5	Drilled to 20'. SS 20' to 22'
			9	SS	20	1 2 4 4	6	Drilled to 25'. SS 25' to 27'
-21.2	Wood	**BC: Wood** 17-inch long intact WOOD						
		20-inch long intact WOOD	10	SS	8	11 12 16 20	28	Casing installed to 24' below grade Drilled to 30'. 26' to 30' hard drilling Wood return as drill rod pulled out SS 30' to 32'
-29.2	Class 6	**BC: Class 6**						
		Gray silty CLAY [OH] (Class 6)	11	SS	14	4 3 3 4	6	Casing installed to 29' below grade Drilled to 35'. Hard drilling between 30' to 34' Wood fibers in return SS 35' to 37'
		Gray silty CLAY [OH] (Class 6)	12	SS	24	1 1 1 2	2	Drilled to 40'. SS 40' to 42'

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

Casng blws/ ft
Coring (min)

N-Value (Blows/ft): 10 20 30 40

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Log of Boring **B-4** Sheet 3 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.79 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6	Gray silty CLAY [OH] (Class 6)	13	SS	24	1 2 1 2	3	Drilled to 45'. SS 45' to 47' Casing installed to 44' below the grade
	Class 6	Gray silty CLAY [OH] (Class 6)	14	SS	24	2 3 5 4	8	Drilled to 50'. SS 50' to 52'
-50.2	Class 3b	**BC: Class 3b** Red-brown f. silty SAND [SM] (Class 3)	15	SS	21	3 6 10 13	16	Drilled to 55'. SS 55' to 57' Installed casing to 49' below the grade
	Class 3b	Red-brown f-m SAND [SP] (Class 3)	16	SS	20	7 7 11 10	18	Drilled to 60'. SS 60' to 62' Casing installed to 54' below the grade
	Class 3b	Red-brown f-m SAND [SP] (Class 3)	17	SS	22	8 7 6 5	13	Drilled to 65'. SS 65' to 67' Casing installed to 64' below the grade

Depth Scale: 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

Casng blws/ ft Coring (min)

N-Value scale: 10 20 30 40

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Log of Boring **B-4** Sheet 4 of 4

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.79 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 3b	Red-brown f-m SAND [SP] (Class 3)	70–72	18	SS	16	3, 5, 7, 8	12	Drilled to 70'. SS 70' to 72'
-70.2	Weathered Rock	**BC: Weathered Rock** Weathered Rock	75–76	19	SS	5	100/5""		Drilled to 75'. SS 75' to 77'
-72.2	Class 1	**BC: Class 1** Hard, sound gray MICA SCHIST (Class 1a)	77–81	1	NX CORE BARREL	REC="/60" =%	RQD=60"/60" =100%		Hit rock at 77' NX-Core 77 ft. to 82 ft. Smooth steady drilling
	Class 1	Gray MICA SCHIST (Class 1d)	82–86	2	NX CORE BARREL	REC="/60" =%	RQD=15"/60" =25%		NX-Core #2 82' to 87' Smooth steady drilling
-82.2		End of boring at 87'	87						End of boring at 87' Backfilled borehole

Casng blws/ ft
Coring (min)

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Log of Boring **B-5(OW)** Sheet 1 of 5

Project: 551 West 21st Street		Project No.: 170193301	
Location: Manhattan, NY		Elevation and Datum: APPROX 4.29 BPMD	
Drilling Company: Aquifer Drilling and Testing Inc.		Date Started: 10/20/05	Date Finished: 10/20/05
Drilling Equipment: CME-75 Truck Mounted Rig		Completion Depth: 96 ft	Rock Depth: 86 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit		Number of Samples: Disturbed 20	Undisturbed 0 / Core 2
Casing Diameter (in): 4"	Casing Depth (ft): 24'	Water Level (ft.): First ▽ -	Completion ▼ - / 24 HR. ▼ -
Casing Hammer: Safety	Weight (lbs): 140 / Drop (in): 30"	Drilling Foreman: Tim Vanness	
Sampler: 2" Standard Split Spoon		Inspecting Engineer: Cem Altuntas	
Sampler Hammer: Safety	Weight (lbs): 140 / Drop (in): 30"		

Elev. (ft)	Building Code	Sample Description	Casng blws/ ft Coring (min)	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+4.3				0						
+3.8		6-inch thick concrete slab								10/20/2005-Start drilling at 8:30 a.m.
		BC: Class 7		1						Drill through 6"-concrete slab SS 1' to 3'
		Brown c-f SAND, trace gravel, trace brick [SP] (Class 7)	PUSH	2	1	SS	6	7 7 9 8	16	
				3						SS 3' to 5'
		Brown m-f SAND, trace gravel, trace brick [SP] (Class 7)		4	2	SS	8	4 10 9 6	19	
				5						Drilled to 5'. SS 5' to 7'
	Class 7	Brown/black m-f SAND, some gravel, trace brick [SP] (Class 7)	PUSH	6	3	SS	10	6 4 7 5	11	
				7						SS 7' to 9'
		Dark gray/black f. silty SAND [SM] (Class 7)		8	4	SS	12	9 12 12 10	24	
				9						Install casing to 9' below grade Drilled to 9'. SS 9' to 11'
		Dark gray/black silty f. SAND, trace brick [SP] (Class 7)		10	5	SS	16	7 12 10 13	22	
				11						
				12						
-8.7		**BC: Class 6**		13						
				14						
				15						Drilled to 15'. SS 15' to 17' Install casing to 14' below grade
	Class 6	No Recovery		16	6	SS	NR	WOH 1 WOH 1	1	
				17						
				18						
				19						
				20						

N-Value scale: 10 20 30 40

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Log of Boring **B-5(OW)** Sheet 2 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.29 BPMD

MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Casng blws/ ft Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Dark gray/black silty CLAY [OH] (Class 6)		20–22	7	SS	20	WOH WOH WOH WOH	0	Drilled to 20'. SS 20' to 22' Install casing to 19' below grade
			Dark gray/black silty CLAY [OH] (Class 6)		25–27	8	SS	20	WOH WOH WOH WOH	0	Drilled to 25'. SS 25' to 27'
		Class 6	Dark gray/black silty CLAY, trace shell [OH] (Class 6)		30–32	9	SS	24	WOH WOH WOH WOH	0	Drilled to 30'. SS 30' to 32' Install casing to 29' below grade
			Dark gray/black silty CLAY, trace shell [OH] (Class 6)		35–37	10	SS	24	WOH WOH WOH WOH	0	Drilled to 35'. SS 35' to 37'
			Gray silty CLAY, trace shell [OH] (Class 6)		40–42	11	SS	24	WOH WOH WOH WOH	0	Drilled to 40'. SS 40' to 42'

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

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Log of Boring **B-5(OW)** Sheet 3 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.29 BPMD

MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Casng blws/ ft Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Gray silty CLAY [OH] (Class 6)		45–47	12	SS	24	WOH WOH WOH WOH	0	Drilled to 45'. SS 45' to 47'
			Gray silty CLAY, trace shell [OH] (Class 6)		50–52	13	SS	24	WOH WOH WOH WOH	0	Drilled to 50'. SS 50' to 52'
		Class 6	Gray silty CLAY, trace shell [OH] (Class 6)		55–57	14	SS	24	WOH WOH WOH WOH	0	Drilled to 55'. SS 55' to 57'
			Gray silty CLAY, trace shell [OH] (Class 6)		60–62	15	SS	24	WOH WOH WOH WOH	0	Drilled to 60'. SS 66' to 62'
			Gray silty CLAY, trace shell [OH] (Class 6)		65–67	16	SS	24	WOH WOH WOH WOH	0	Drilled to 65'. SS 65' to 67'
	-64.2	Class 6 and 3	**BC: Class 6 and 3**		68–70						

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Log of Boring **B-5(OW)** Sheet 4 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.29 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Class 6 and 3	Red-brown silty f. SAND [SM] (Class 3b)	70–72	17	SS	8	4 6 5 5	11	Drilled to 70'. SS 70' to 72'
		No Recovery	75–77	18	SS	NR	7 7 7 5	14	Drilled to 75'. SS 75' to 77'
		Red-brown silty m-f SAND [SM] (Class 6)	80–82	19	SS	8	3 4 3 4	7	Drilled to 80'. SS 80' to 82'
-80.7	Class 1d	**BC: Class 1d** Decomposed Rock (Class 1d)	85	20	SS	7	60		Drilled to 85'. SS 85' to 87'
-81.7	Class 1a and 1b	**BC: Class 1a and 1b**	86						Hit rock at 86'
		Gray, very hard, MICA SCHIST (Class 1a)	87–91	1	NX CORE BARREL	REC="/60" =%	RQD=54"/60" =90%		
		Gray, very hard, MICA SCHIST (Class 1b)	92–95	2	NX CORE BARREL	REC="/60" =%	RQD=38"/60" =63%		

Casng blws/ ft Coring (min)

Sample Data

N-Value (Blows/ft) 10 20 30 40

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Log of Boring **B-5(OW)** Sheet 5 of 5

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 4.29 BPMD

MATERIAL SYMBOL	Elev. (ft)	Building Code	Sample Description	Casng blws/ ft Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	-91.7	Class 1a and 1b			95	2					
			End of boring at 96'		96						Boring completed 96' below the grade Install at GW well
					97						
					98						
					99						
					100						
					101						
					102						
					103						
					104						
					105						
					106						
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Log of Boring **B-8** Sheet 1 of 3

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 0 BPMD
Drilling Company: Warren George, Inc.	Date Started: 5/21/12 — Date Finished: 5/25/12
Drilling Equipment: Portable Elctric Drill Rig	Completion Depth: 67 ft — Rock Depth: 62 ft
Size and Type of Bit: 2 7/8" Tri-Cone Roller Bit/ 3" Thin-Wall Core	Number of Samples: Disturbed 17, Undisturbed 0, Core 1
Casing Diameter (in): 3" — Casing Depth (ft): 18'	Water Level (ft.): First ▽ -, Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	Drilling Foreman: Gus Tserbis
Sampler: 2" Standard Split Spoon/ 2" NX Core Barrel	Inspecting Engineer: Corrie Campbell
Sampler Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
0.0		6" Concrete Slab						
-0.5		Brown silty SAND, trace f. gravel, trace clay, trace cinders (moist) [FILL] (Class 7)	1	SS	8	3 2 3 5	5	SS 0.5' to 2.5'
		Brown silty SAND, trace f. gravel, trace clay (moist) [FILL] (Class 7)	2	SS	12	8 5 8 7	13	SS 2.5' to 4.5' Installed casing to 4' Drilled to 5' - Brown wash to dk. gray wash at 3'
		Dark gray gravelly SAND, trace mica, trace silt (moist) [FILL] (Class 7)	3	SS	7	4 5 5 2	10	SS 5' to 7' Drilled to 7' - Dk. gray wash
		Dark gray gravelly SAND, trace mica, trace silt, trace brick (moist) [FILL] (Class 7)	4	SS	8	2 10 12 11	22	SS 7' to 9' Install casing to 9' Drill to 9' - Brown/gray wash
		Dark gray gravelly SAND, trace mica, trace silt (wet) [FILL] (Class 7)	5	SS	2	10 6 3 3	9	SS 9' to 11' Drill to 11' - Very hard drilling @ 9' - Wood in wash (Possible Wood ribbing) Casing dropped to 10'
		Dark gray gravelly SAND, trace mica, trace silt (wet) [FILL] (Class 7)	6	SS	6	11 12 4 6	16	SS 11' to 13' Install casing to 14' Drill to 15' - Dark gray wash Rig chatter and hard drilling from 12.5' to 14'
		gray sandy SILT, trace f. gravel, trace brick, with lens of brown m-f sand (wet) [FILL] (Class 7)	7	SS	8	7 6 5 5	11	SS 14' to 16' Install casing to 19' Drill to 20' - Heavy rig chatter from 16.5' to 18' Smooth drilling 18' to 20'
-18.0	CLASS 6	Black organic SILT, trace roots (wet) [OL] (Class 6) **BC: CLASS 6**						

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

N-Value scale: 10 20 30 40

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Log of Boring **B-8** Sheet 2 of 3

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 0 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	CLASS 6	No Recovery	8	SS	0	3 2 3 3	5	SS 20' to 22' No recovery
-22.5		Black organic SILT, trace roots (wet) [OL] (Class 6)						SS 22' to 24'
	CLASS 6	Dark gray medium stiff CLAY, some silt (wet) [OH] (Class 6) **BC: CLASS 6** Dark gray medium stiff CLAY, some silt (wet) [OH] (Class 6)	9	SS	16	3 3 3 3	6	
		Dark gray medium stiff CLAY, some silt (wet) [OH] (Class 6)	10	SS	24	2 2 3 3	5	Drilled to 25' - Smooth drilling Dark gray wash SS 25' to 27'
		Dark gray medium stiff CLAY, some silt, trace shells (wet) [OH] (Class 6)	11	SS	24	2 2 2 3	4	Drilled to 30' - Smooth drilling Dark gray wash SS 30' to 32'
	CLASS 6	Dark gray medium stiff CLAY, some silt, trace shells (wet) [OH] (Class 6)	12	SS	24	W.O.H. 2 2 2	4	Drilled to 35' - Smooth drilling Dark gray wash SS 35' to 37'
		Dark gray medium stiff CLAY, some silt, trace shells (wet) [OH] (Class 6)	13	SS	24	1 2 2 2	4	Drilled to 40'- Smooth drilling Dark gray wash SS 40' to 42'

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

N-Value scale: 10 20 30 40

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Log of Boring **B-8** Sheet 3 of 3

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 0 BPMD

Elev. (ft)	Building Code	Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	CLASS 6	Dark gray medium stiff CLAY, some silt, trace shells (wet) [OH] (Class 6)	14	SS	24	W.O.H 2 2 2	4	Drilled to 45'- Smooth drilling Dark gray wash SS 45' to 47'
		Dark gray medium stiff CLAY, some silt, trace shells (wet) [OH] (Class 6)	15	SS	24	2 2 2 2	4	Drilled to 50'- Smooth drilling Dark gray wash SS 50' to 52'
-54.0	CLASS 5	Gray/brown sandy SILT, trace mica (wet) [ML] (Class 5b) **BC: CLASS 5** Gray/brown sandy SILT, trace mica (wet) [ML] (Class 5b)	16	SS	24	6 11 8 12	19	Drilled to 55'- Smooth drilling Dark gray wash Rig chatter at 54' SS 55' to 57'
		Gray/brown sandy SILT, trace mica (wet) [ML] (Class 5b)	17	SS	15	2 10		Drilled to 60' - Rig chatter at 56.5' to 57' SS 60' to 62'
-61.0	Class 1	Highly weathered GRANITE (Class 1d) **BC: Class 1**						Drilled to 62' - Heavy rig chatter Hard drilling to 62' Start C-1 at 62'
-62.0	Class 1	dark gray and black, moderately to slightly fractured, hard, slightly weathered, medium to fine grained AMPHIBOLITE and GRANITE (Class 1a) **BC: Class 1**	1	NX CORE BARREL	REC=''/60'' =%	RQD=59''/60'' =98%		
-67.0		End of Boring at 67'.						

Depth Scale: 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

N-Value scale: 10 20 30 40

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Log of Boring **B-9** Sheet 1 of 3

Project: 551 West 21st Street	Project No.: 170193301
Location: Manhattan, NY	Elevation and Datum: APPROX 3.83 BPMD
Drilling Company: Warren George, Inc.	Date Started: 5/29/12 — Date Finished: 5/31/12
Drilling Equipment: Portable Elctric Drill Rig	Completion Depth: 60 ft — Rock Depth: 59.7 ft
Size and Type of Bit: 2 7/8" Tri-Cone Roller Bit/ 3" Thin-Wall Core	Number of Samples: Disturbed 14, Undisturbed 0, Core 0
Casing Diameter (in): 3" — Casing Depth (ft): 19'	Water Level (ft.): First ▽ -, Completion ▼ -, 24 HR. ▼ -
Casing Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	Drilling Foreman: Gus Tserbis
Sampler: 2" Standard Split Spoon/ 2" NX Core Barrel	Inspecting Engineer: Corrie Campbell
Sampler Hammer: Donut — Weight (lbs): 140 — Drop (in): 30"	

Elev. (ft)	Building Code	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+3.8		Concrete Slab (First FLoor)						5/29/2012-Start moving equipment at 7:40 a.m. Begin drilling at concrete slab at 11:30 a.m. 1/2" concrete slab, 3/4" brick slab
+2.8	Class 7	Brown m-f SAND with some silt, trace gravel, trace brick, trace concrete (moist) [FILL] (Class 7) **BC: Class 7**	1	SS	6	5 16 6 3	22	SS 1' to 3'
		Brown silty m-f SAND with trace gravel, trace brick, trace shell (moist) [FILL] (Class 7)	2	SS	3	3 5 2 3	7	SS 3' to 5' Hit obstruction at 3' Drill to 5'
		Brown silty m-f SAND with trace gravel, trace brick (moist) [FILL] (Class 7)	3	SS	8	3 2 3 13	5	SS 5' to 7' Install 4' of casing from 0' to 4'
		Brown silty m-f SAND with trace gravel, trace brick (moist) [FILL] (Class 7)	4	SS	18	30 34 28 27	62	Install 3' of casing to 7' Drill to 7' Slight Rig chatter Color change in wash at 6.5' from dark to light brown SS 7' to 9'
		Black gravelly m-f SAND with trace brick, trace mica (moist) [FILL] (Class 7)	5	SS	4	12 11 31 19	42	Drill to 9' Brown wash Slight rig chatter SS 9' to 11'
-7.2	Class 1d	**BC: Class 1d**						
		No Recovery When cored: Decomposed MICA SCHIST	6	SS	0	50/0""		End of 5/29/2012 at 3:15 p.m. Attempt to drill to 15' Hit layer of rip rap at 10' Lots of rig chatter, slow drilling Loss of water Stop drilling at 12' Install casing from 7' to 10' Unable to penetrate with casing further Attempt to drill to 15 Schist in return Slow drilling and lots of rig chatter Stop drilling at 13' and install casing Drill to 15' Slow drilling, lots of rig
-15.2	Class 6	**BC: Class 6**						

Depth Scale: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

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Log of Boring **B-9** Sheet 2 of 3

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 3.83 BPMD

Material Symbol	Elev. (ft)	Building Code	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Dark gray silty CLAY, trace sand [OH] (Class 6)	20–22	7	SS	1	2 2 2 3	4	chatter SS 15' to 17' No return Start coring at 15' End coring at 17' Install 5' of casing from 15' to 17' Drill to 20' Slow drilling, slight rig chatter Gray/brown wash At 19' wash turned black SS 20' to 22'
			Dark gray silty CLAY, trace sand [OH] (Class 6)	25–27	8	SS	24	W.O.H. W.O.H. 1 2	1	Drill to 25' Smooth drilling, gray wash SS 25' to 27'
		Class 6	Gray silty CLAY, trace sand [OH] (Class 6)	30–32	9	SS	24	2 2 2 4	4	Drill to 30' Smooth drilling, gray wash SS 30' to 32'
			Dark gray silty CLAY, trace shells, trace sand [OH] (Class 6)	35–37	10	SS	22	2 1 1 2	2	Drill to 35' Smooth drilling, gray wash SS 35' to 37'
			Gray silty CLAY, trace shells, trace sand [OH] (Class 6)	40–42	11	SS	24	1 1 1 2	2	Drill to 40' Smooth drilling, gray wash SS 40' to 42'

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

N-Value scale: 10 20 30 40

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Log of Boring **B-9** Sheet 3 of 3

Project	Project No.
551 West 21st Street	170193301
Location	**Elevation and Datum**
Manhattan, NY	APPROX 3.83 BPMD

Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Gray silty CLAY, trace sand [OH] (Class 6)	45–47	12	SS	24	1 1 2 4	3	Drill to 45' Smooth drilling, gray wash SS 45' to 47'
	Class 6	Gray silty CLAY, trace sand [OH] (Class 6)	50–52	13	SS	22	1 1 2 3	3	Drill to 50' Smooth drilling, gray wash SS 50' to 52'
		Gray silty CLAY, some sand [OH] (Class 6)	55–57	14	SS	24	2 1 2 4	3	Drill to 55' Smooth drilling, gray wash SS 55' to 57'
-55.7	Class 1d	**BC: Class 1d**	59						Drill to 60' Smooth drilling, gray wash At 59.5' hit a small sand layer At 59.7' hit a layer of rock, roller bit to 60' End of 5/31/2012 at 2:45 p.m. End of boring at 60'
-56.2			60						

Depth Scale: 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

N-Value scale: 10 20 30 40

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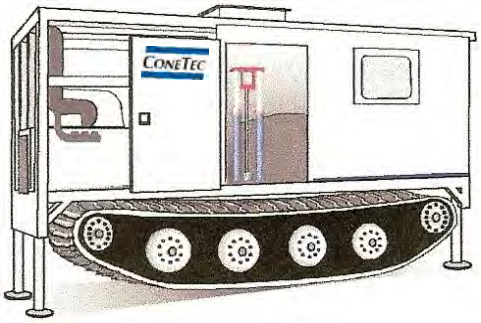
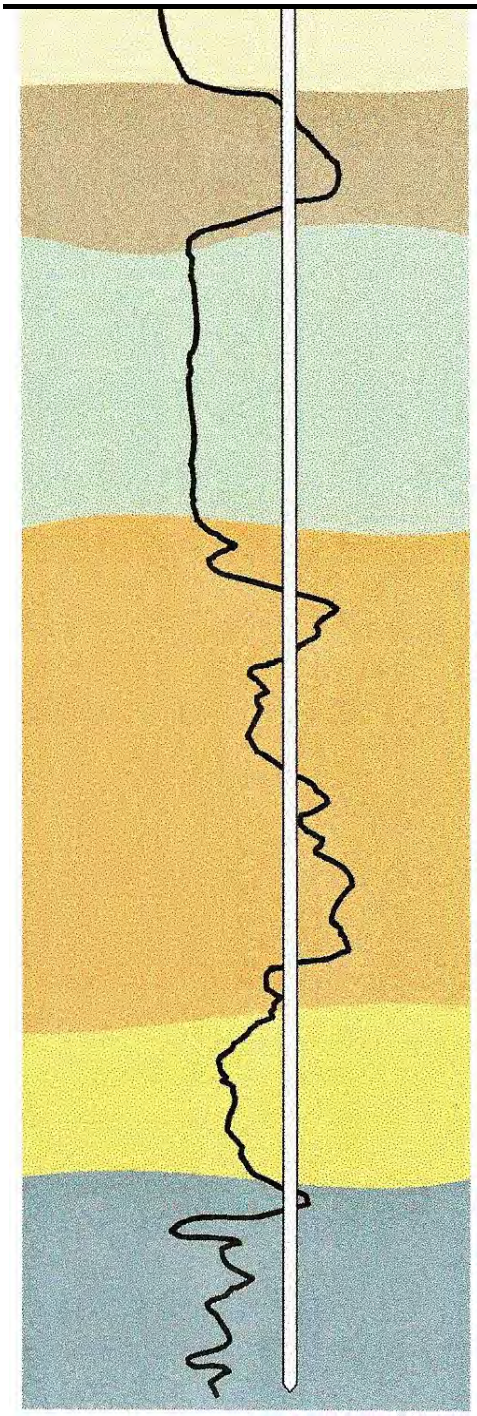
APPENDIX B

CONETEC SEISMIC-CPT FINAL REPORT



Geotechnical and Environmental In Situ Testing Contractors



ConeTec Field Report

Presentation of In Situ Test Results for:

551 West 21st Street
New York, New York

Presented to: Langan Engineering

Date: June 18th, 2012

Presented by: ConeTec, Inc.
436 Commerce Lane, Unit C
West Berlin, NJ 08091
(856) 767-8600

PRESENTATION OF IN SITU TESTING PROGRAM RESULTS

551 West 21st Street
New York, New York

May 29th, 2012
June 5th, 2012

Prepared for:

Langan Engineering
New York, New York

Prepared by:

ConeTec Inc.
West Berlin, NJ

June 18th, 2012

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1.0 INTRODUCTION

This report presents the results of a piezocone penetrometer testing (CPTU; also CPT) program carried out at 551 West 21st Street located in New York, New York. The work was performed under subcontract to Langan Engineering of New York, New York. The CPT program took place on May 29th, 2012 and June 5th, 2012.

A total of four soundings were completed at three different sounding locations. The CPT program was performed to evaluate in situ geotechnical criteria relative to the soils.

In addition to the CPT soundings, shear wave velocity tests were performed at one of the locations with testing at one meter depth intervals.

CPT sounding locations were selected and numbered under the direction and supervision of Langan personnel.

2.0 FIELD EQUIPMENT AND PROCEDURES

2.1 CONE PENETRATION TESTING

The cone penetrometer tests were carried out using an integrated electronic piezocone manufactured by ConeTec in Vancouver, Canada. The piezocone used was a compression model cone penetrometer with a 15 cm^2 tip and a 225 cm^2 friction sleeve. The cone is designed with an equal end area friction sleeve and a tip end area ratio of 0.80. The piezocone dimensions and the operating procedure were in accordance with ASTM standard D-5778-95. A diagram of the cone penetrometer used for this project is shown as Figure 1.

Pore pressure filter elements, made of porous plastic, were saturated under a vacuum using silicone fluid as the saturating medium. The pore pressure element was six millimeters thick and was located immediately behind the tip (the u_2 location) for all soundings.

The cone was advanced using a 14-ton portable ram set. The following data were recorded onto magnetic media every five centimeters (approximately every two inches) as the cone was advanced into the ground:

- Tip Resistance (q_c)
- Sleeve Friction (f_s)
- Dynamic Pore Pressure (u)

Before each sounding a complete set of analog baseline readings are taken with a multi-meter and compared with the digitized value on the computer screen. This provides a check on the analog to digital conversion board.

Evaluation of the analog baselines is key to consistent readings. The baseline data should be stable and should not wander excessively during the course of a sounding. Baseline data can be used to apply corrections to the cone data where necessary. For this project, the baseline shift from sounding to sounding was small, typically less than 0.1% of full scale, and no data corrections were applied.

During seismic testing, the seismic signals were recorded using a geophone mounted in the cone as shown in Figure 1 and an up-hole digital oscilloscope. A sledge hammer struck against a steel plate was used as the seismic source. A schematic of the shear wave testing configuration used with our truck rigs is shown in Figure 2.

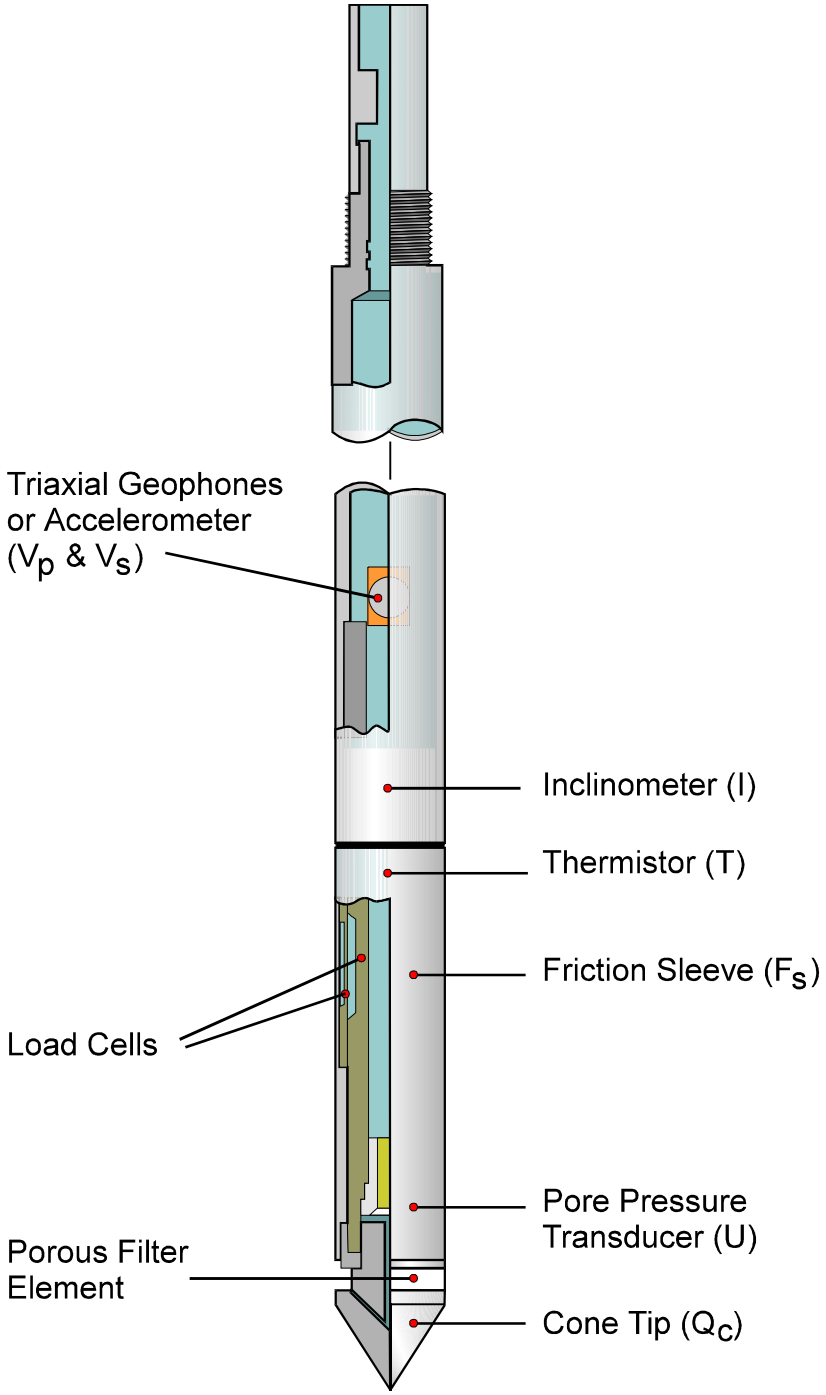


FIGURE 1 - TYPICAL CONE PENETROMETER

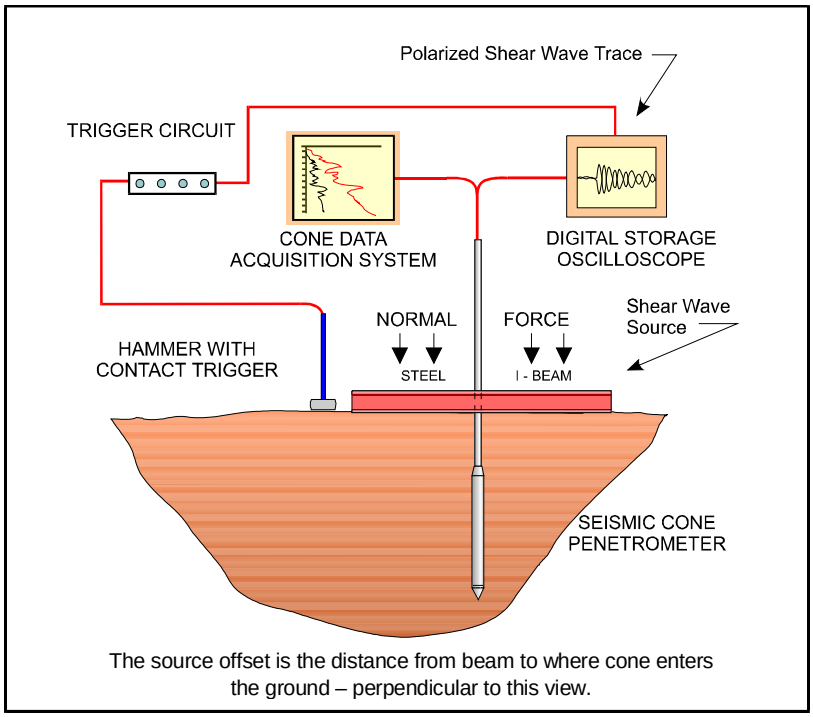


FIGURE 2 - SCHEMATIC OF SHEAR WAVE TESTING CONFIGURATION

2.2 PORE PRESSURE DISSIPATION TESTS

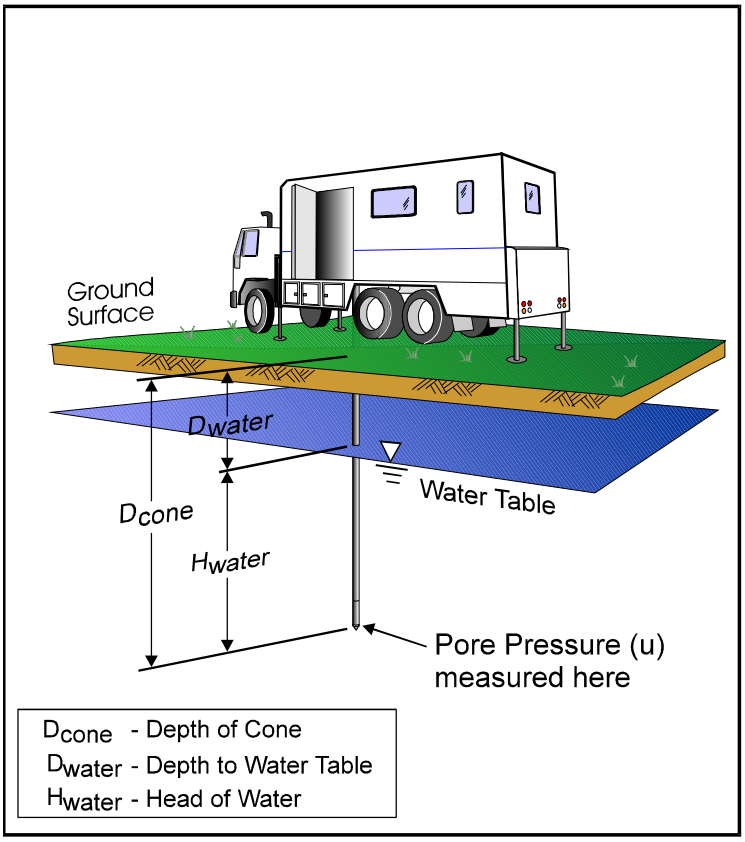
When cone penetration is stopped, the piezocone essentially becomes a piezometer. While stopped, pore water pressures are automatically recorded at five-second intervals and the readings are stored in a dissipation file (.ppd). Dissipation data can then be plotted onto a graph displaying a dissipation curve consisting of pore water pressure (u) verses time (t). The shapes of dissipation curves are very useful in evaluating soil type, drainage characteristics and in situ static water level.

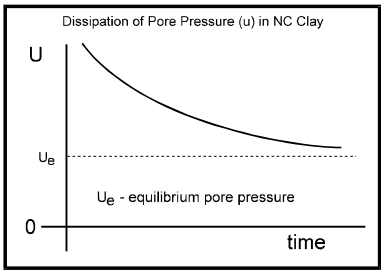
A flat curve that stabilizes quickly (i.e. less than 30 seconds) is typical of a free draining soil, generally sand. In this case, the final measured pore water represents the hydrostatic pressure in situ.

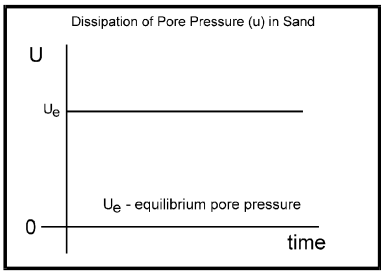
Soils that generate excess dynamic pore water pressure during penetration will dissipate this excess pressure when penetration stops. The shape of the dissipation curve and the time of dissipation can be used to estimate C_h, the coefficient of consolidation that can in turn be used to calculate K_h, the horizontal hydraulic conductivity.

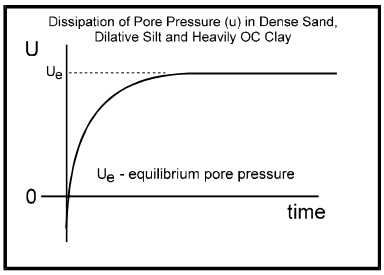
Figure 3 shows some idealized shapes of various pore water pressure dissipation curves. The reader is referred Robertson et. al., 1992 to reference dissipation test data analytical techniques.

Estimation of Ground Water Table from CPT Dissipation Tests









Water Table Calculation

$$D_{water} = D_{cone} - H_{water}$$

where $H_{water} = U_e$ (depth units)

Useful Conversion Factors:

1psi = 0.704m = 2.31 feet (water)
1tsf = 0.958 bar = 13.9 psi
1m = 3.28 feet

FIGURE 3 - TYPICAL DISSIPATION TESTS

3.0 CONE PENETRATION TEST DATA AND INTERPRETATION

3.1 ANALYSIS OF PIEZOCONE DATA - GENERAL

A total of four CPT soundings, involving approximately 96.13 feet of testing, were completed at three locations.

The interpretation of cone data is based on the relationship between cone bearing, qc, sleeve friction, fs, and penetration pore water pressure, u. The friction ratio, Rf , (sleeve friction divided by cone bearing) is a calculated parameter which is used to infer soil behavior type. Generally, saturated cohesive soils have low tip resistance, high friction ratios and generate large excess pore water pressures. Cohesionless soils have higher tip resistances, lower friction ratios and do not generate significant excess pore water pressure.

The interpretation of soils encountered on this project was carried out using correlations developed by Robertson et al., 1992. It should be noted that it is not always possible to clearly identify a soil type based on q_c, f_s and u. Occasionally soils will fall within different soil categories on the classification charts. In these situations, experience and judgment and an assessment of the pore pressure dissipation data should be used to infer the soil behavior type. Computer tabulations of the interpreted soil types along with certain other geotechnical parameters for each sounding are presented in Appendix B.

Each of the parameters measured in the sounding are discussed briefly below. A detailed explanation of CPT testing and interpretation of the results can be found in Robertson, 1989.

TIP RESISTANCE (q_c): The resistance to penetration, measured at the cone tip, provides an accurate profile of subsurface strata. The recorded tip resistance is a composite of the penetration resistance of the soils located five to ten cone diameters (7 to 14 inches) in front of and behind the tip. The actual resistance "sensed" by the tip depends on the soil properties and on the relative stiffness of the layers encountered. Tip resistance is often corrected for pore pressure effects when testing in soft saturated cohesive soils.

For this project the correction was made and the tip resistance shown, q_t is the corrected tip resistance.

The correction used is: $q_t = q_c + (1-a)u$

Where:
- q_t = corrected tip resistance
- q_c = measured tip resistance
- a = net area ratio for cone (0.80 for this project)
- u = dynamic pore water pressure measured behind tip

SLEEVE FRICTION (f_s) The resistance recorded on the friction sleeve, is a measure of the remolded strength of the soil. Values of sleeve friction in very soft soils (such as peat) may fluctuate due to the measured force being small relative to the capacity of the measuring load cell.

FRICTION RATIO (R_f) The ratio of sleeve friction to tip resistance expressed as a percentage, is an indicator of soil type. Cohesive soils generally have friction ratios that are greater than two, while sands and non-plastic silts have friction ratios that are lower than two.

PORE PRESSURE (u) Dynamic pore water pressure is measured during penetration. Dynamic pore water pressure data can be found in the .cor and ifi.xls files. Static pore water pressure is measured when cone penetration is stopped. Static pore water pressure data can be found in the .ppd and -ppd.xls files. The measured dynamic pore water pressure changes with the location of the porous filter and negative readings are possible when the filter is located behind the tip.

It is important to note that the CPT classifies soil by physical behavior, not by grain size; therefore, the CPT classification should be verified against samples obtained from a conventional drilling program. While the CPT soil classification may not always be accurate in terms of the actual label it applies to a particular soil, it is very accurate in grouping soils with similar mechanical properties.

Table 1 presents a summary of CPT soundings, including sounding depths and pore pressure dissipation test results (when appropriate).

3.2 CONE PLOTS

The data from each sounding was plotted using the computer program SCREENzW. The plots are included in Appendix A. SCREENzW was developed by ConeTec Inc. and it incorporates soil behavior type (SBT) classification as part of the plot. The soil classification is based on the classification chart reproduced in Appendix B.

3.3 PORE PRESSURE DISSIPATION TEST RESULTS

When conducting CPT investigations, pore water pressure dissipations are automatically recorded during pauses in penetration. The pore water pressure dissipation data is recorded at five second intervals. Dynamic and static pore pressure measurements, for each CPT, are included in the electronic data package. A few pore water dissipation tests were completed during this project. Those plots can be found in Appendix D.

3.4 SHEAR WAVE VELOCITY MEASUREMENTS

Shear wave velocity measurements were conducted during one of the CPT soundings. Shear wave velocity measurements were recorded at one meter depth intervals. The shear wave velocity data can be found in Appendix C.

3.5 CPT DATA PROCESSING

The electronic data files were processed using the program SCREENzW. SCREENzW is a program developed by ConeTec to calculate common engineering parameters from CPT data. The data files (.xls) can be found in the electronic data package. The calculations used are summarized in the table found in Appendix B. Each calculation is derived according to the referenced article.

For this project, the piezometric surface was determined from the dissipation data and the dynamic pore water pressure responses recorded during the CPT. The exact depth used can be found in the headers of the IFI.xls files.

3.6 ELECTRONIC DATA PACKAGE

Along with the report, all of the project data can be downloaded from ConeTec's "ConeTec Data Services" (CDS) website (www.conetecdataservices.com) using a secure, project-specific user name and password. These electronic files contain all important project information including tabular data (.xls and ASCII formats), GPS coordinates of approximate sounding locations, dynamic and static pore water pressure and some basic interpretation files in Microsoft™ Excel format (.xls). Information regarding the digital file formats of the electronic files is included in Appendix E.

5.0 REFERENCES

Robertson, P.K., 1989, “Soil Classification using the Cone Penetration Test”, Canadian Geotechnical Journal, vol. 27, pages 151-158.

Robertson, P.K., Sully, J., Woeller, D.G., Lunne, T., Powell, J.M., and Gillespie, D.J., 1992, “Estimating Coefficient of Consolidation from Piezocone Tests”, Canadian Geotechnical Journal, vol. 29, pages 539-550.

Appendix A

TABLE 1 - SUMMARY OF CPT SOUNDINGS

Job No.: 12-733
Location: 551 West 21st Street, New York, New York
Client: Langan Engineering
Date: May 29 & June 5, 2012

Date	CPTU Sounding	Filename	Total Depth (ft)	Shear Wave Velocity Tests	Northing UTM Zone 18 (m)	Easting UTM Zone 18 (m)
5/29/2012	CPT-01	733CP01.COR	2.13		4511218	583814
5/29/2012	CPT-02	733CP02.COR	10.01		4511221	583800
6/5/2012	CPT-03	733CP03.COR	19.36		4511201	583804
6/5/2012	CPT-03A	733CP03A.COR	64.63	12	4511201	583804
Totals:		4	96.13	12		

Note: Coordinates are in UTM-NAD83 (meters) Zone 18.

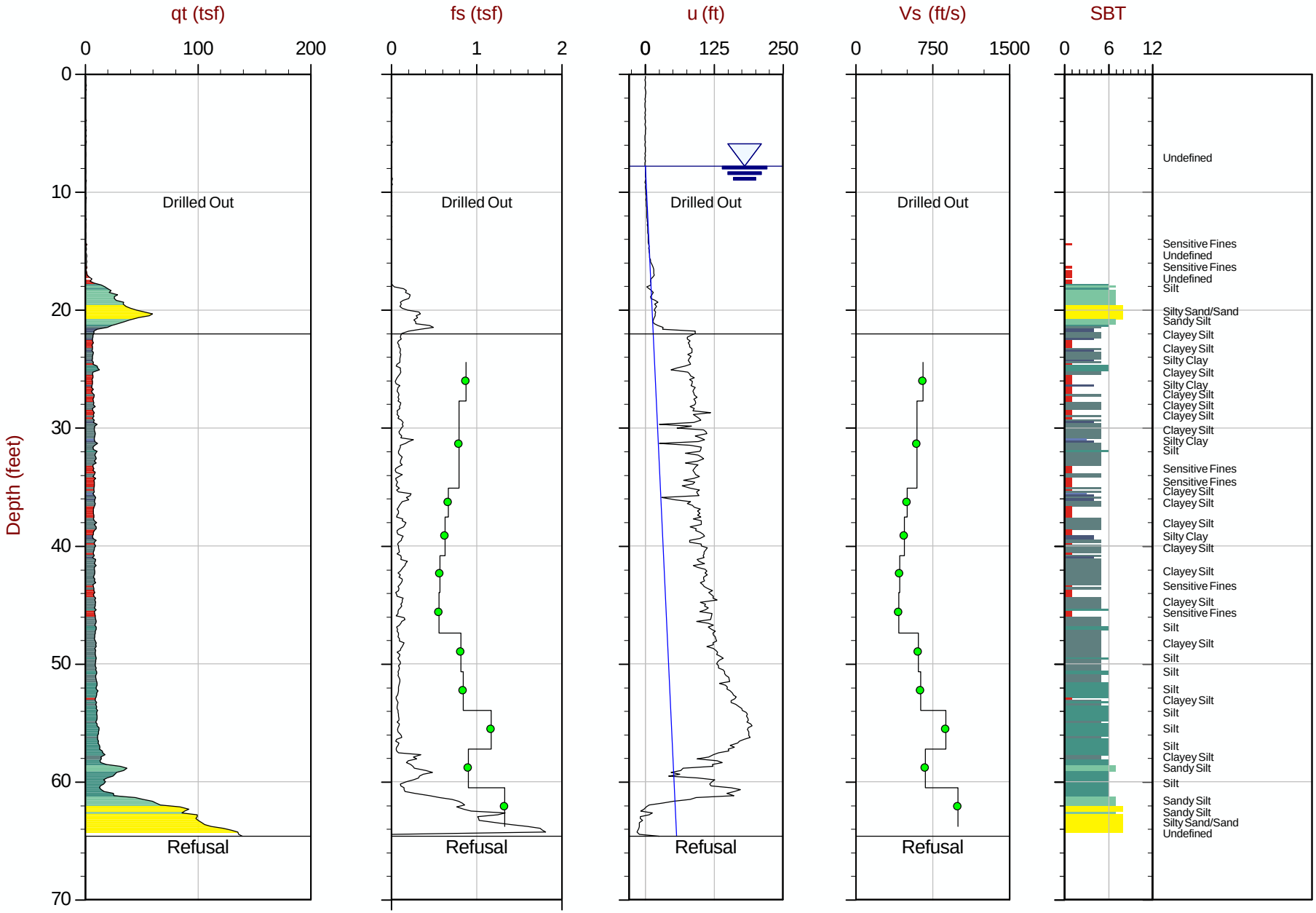
Shear Wave Velocity CPT Plots

CONETEC

Langan Engineering

Job No: 12-733
Date: 06:05:12 11:25
Site: 551 W. 21st St.

Sounding: CPT-03A
Cone: 268:T1500F15U500



Max Depth: 19.700 m / 64.63 ft
Depth Inc: 0.050 m / 0.164 ft

SBT: Lunne, Robertson and Powell, 1997

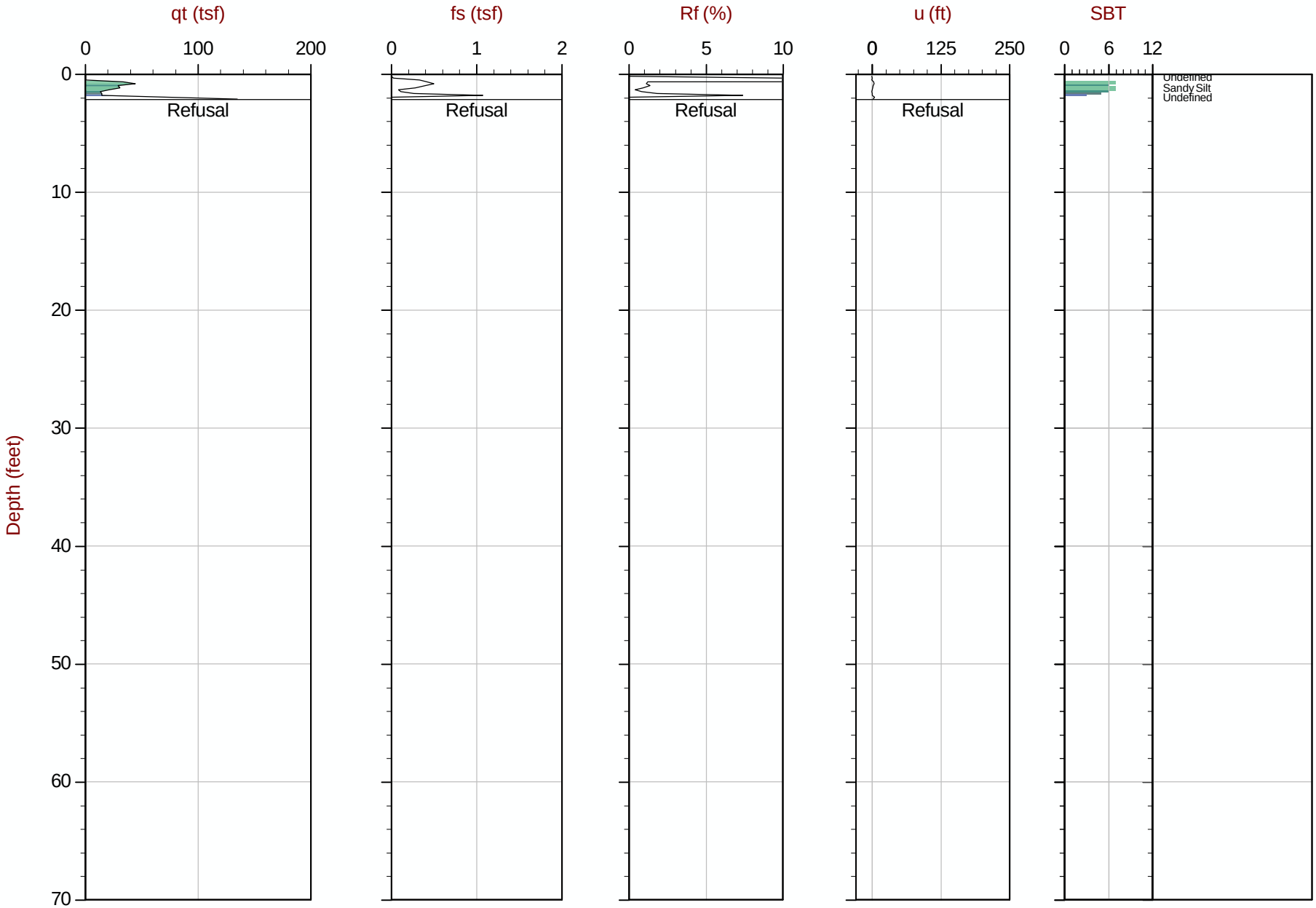
Non-Normalized CPT Plots

CONETEC

Langan Engineering

Job No: 12-733
Date: 05:29:12 10:48
Site: 551 W. 21st St.

Sounding: CPT-01
Cone: 268:T1500F15U500



Max Depth: 0.650 m / 2.13 ft
Depth Inc: 0.050 m / 0.164 ft

File: 733CP01.COR

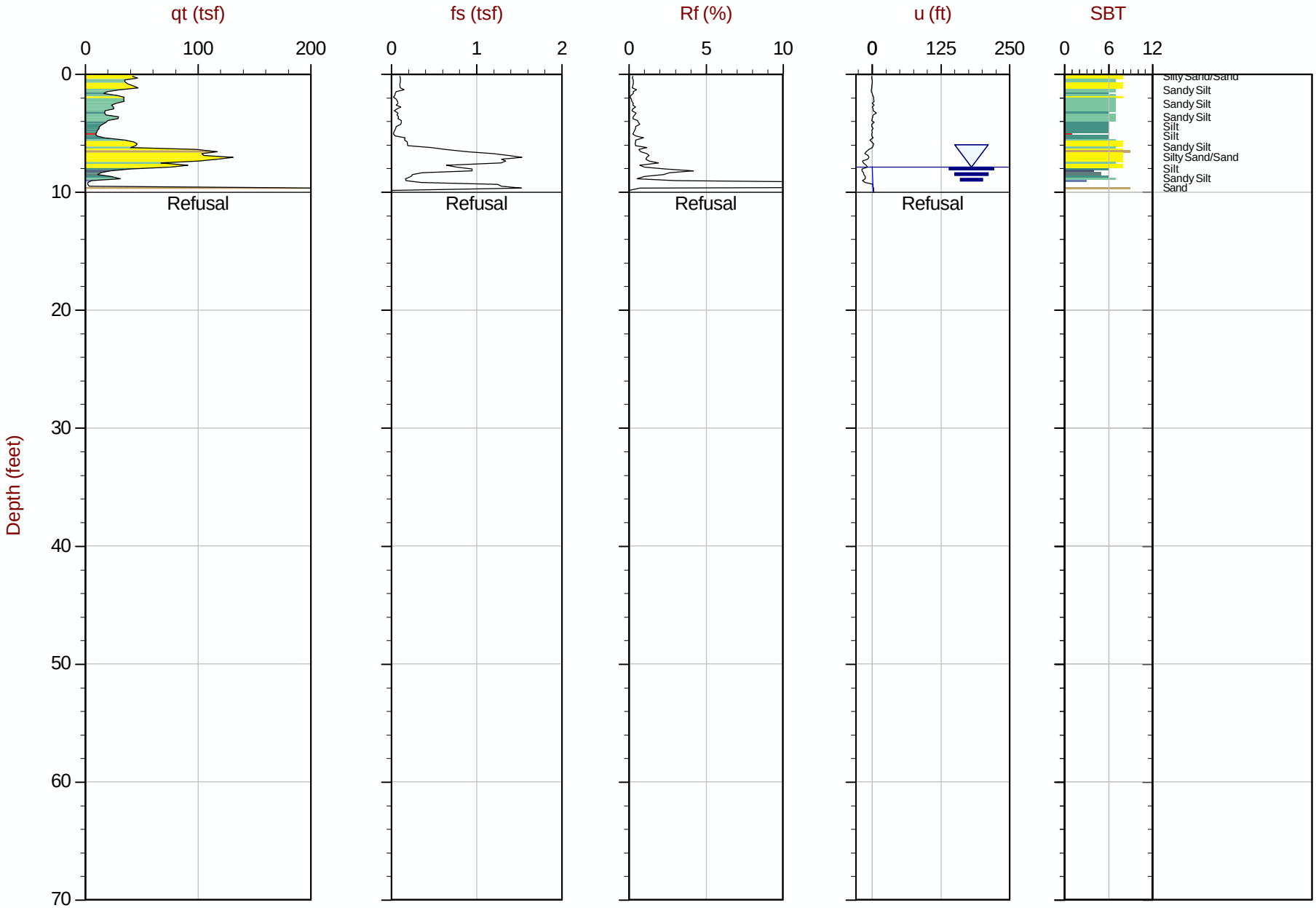
SBT: Lunne, Robertson and Powell, 1997

CONETEC

Langan Engineering

Job No: 12-733
Date: 05:29:12 13:37
Site: 551 W. 21st St.

Sounding: CPT-02
Cone: 268:T1500F15U500



Max Depth: 3.050 m / 10.01 ft
Depth Inc: 0.050 m / 0.164 ft

File: 733CP02.COR

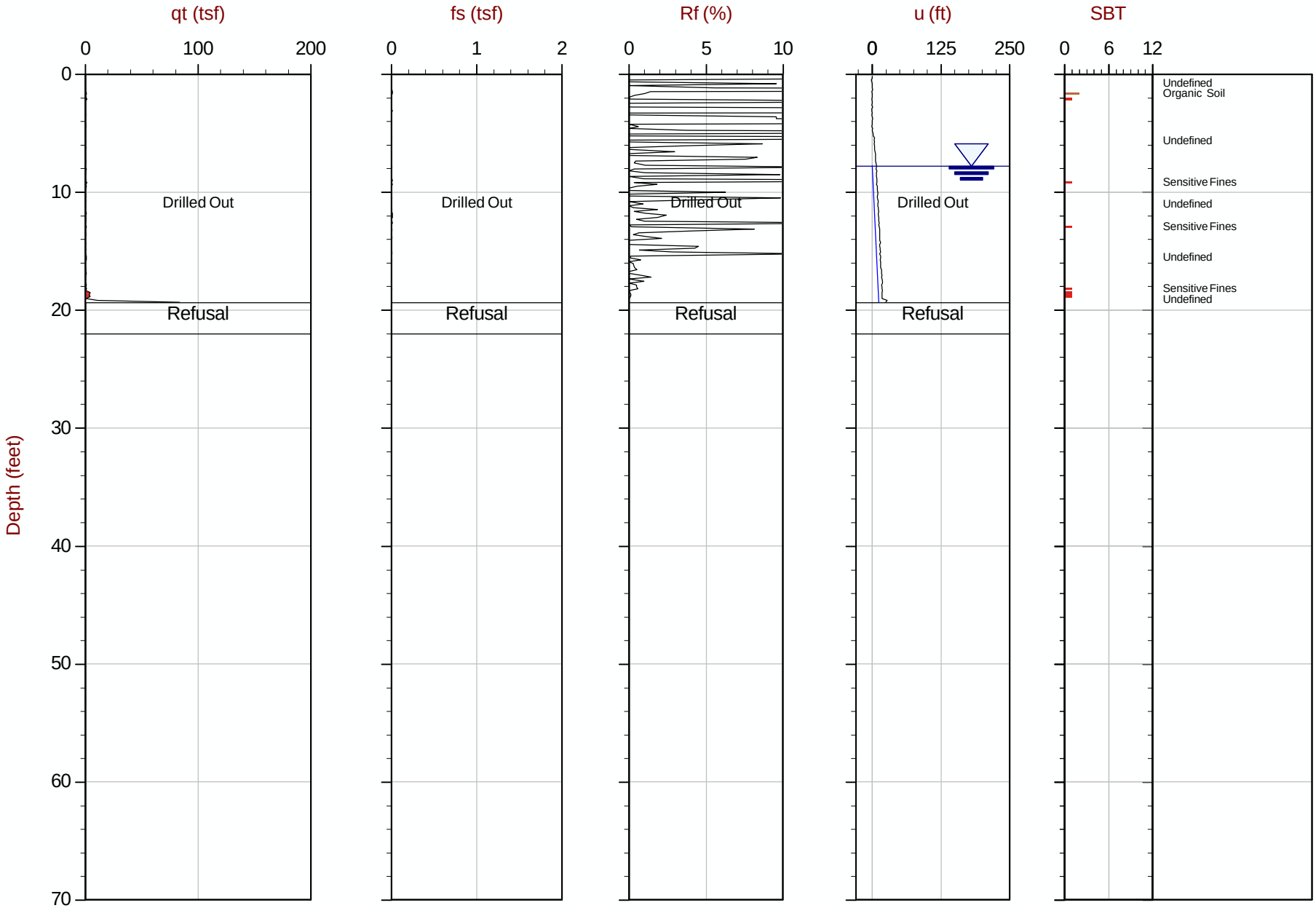
SBT: Lunne, Robertson and Powell, 1997

CONETEC

Langan Engineering

Job No: 12-733
Date: 06:05:12 10:05
Site: 551 W. 21st St.

Sounding: CPT-03
Cone: 268:T1500F15U500



Max Depth: 5.900 m / 19.36 ft
Depth Inc: 0.050 m / 0.164 ft

File: 733CP03.COR

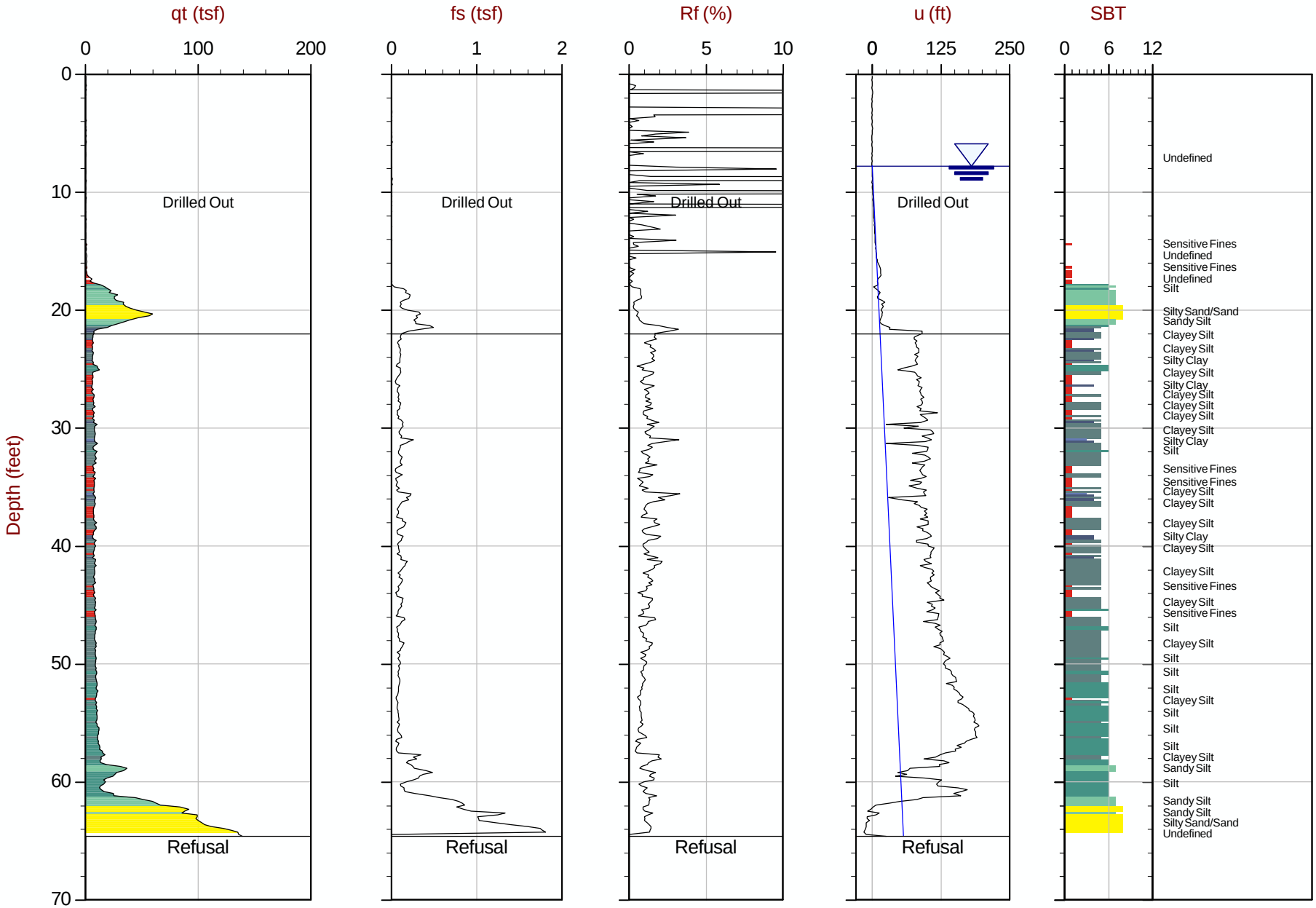
SBT: Lunne, Robertson and Powell, 1997

CONETEC

Langan Engineering

Job No: 12-733
Date: 06:05:12 11:25
Site: 551 W. 21st St.

Sounding: CPT-03A
Cone: 268:T1500F15U500



Max Depth: 19.700 m / 64.63 ft
Depth Inc: 0.050 m / 0.164 ft

File: 733CP03A.COR

SBT: Lunne, Robertson and Powell, 1997

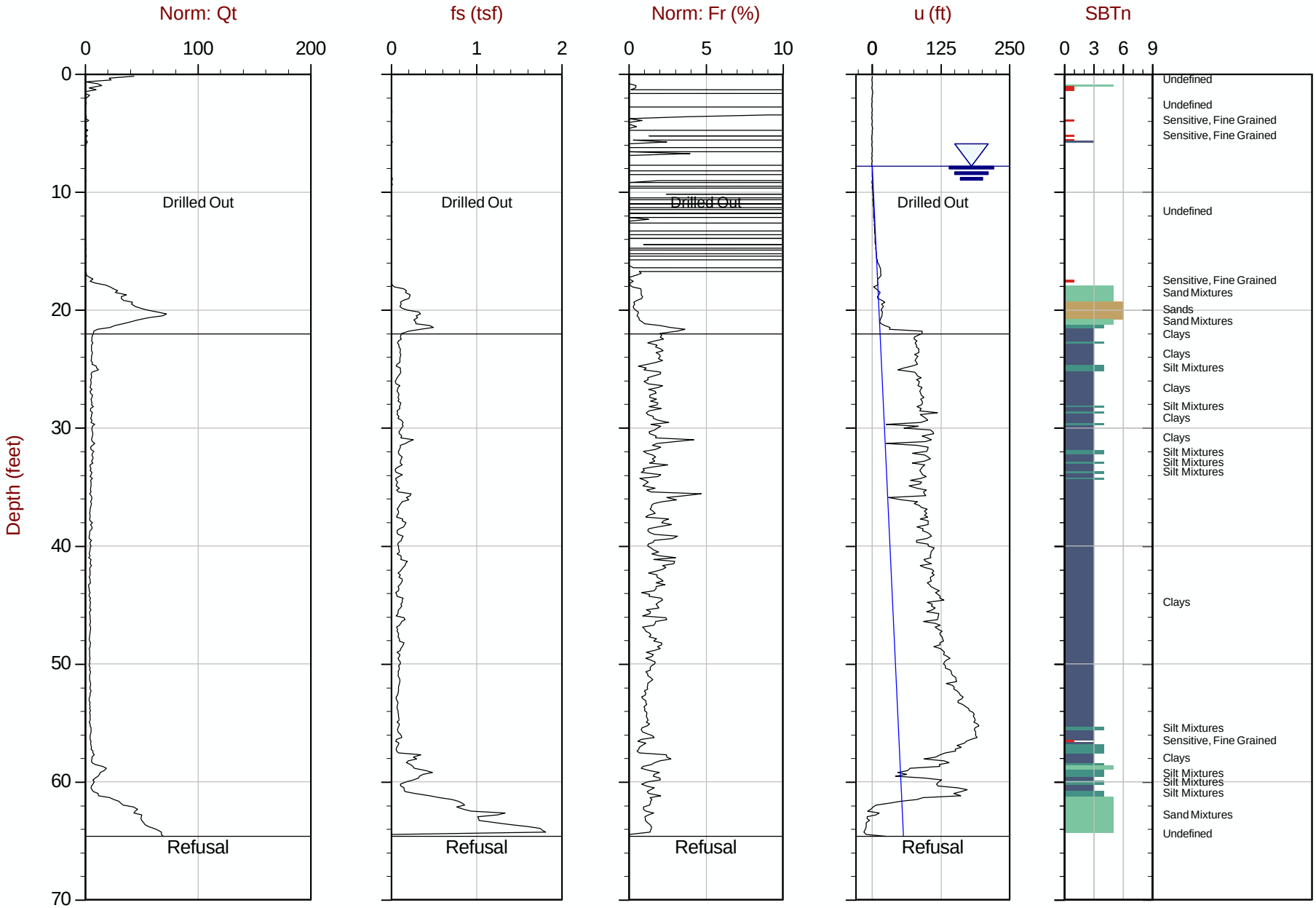
Normalized CPT Plots

CONETEC

Langan Engineering

Job No: 12-733
Date: 06:05:12 11:25
Site: 551 W. 21st St.

Sounding: CPT-03A
Cone: 268:T1500F15U500



Max Depth: 19.700 m / 64.63 ft
Depth Inc: 0.050 m / 0.164 ft

File: 733CP03A.COR

SBT: Lunne, Robertson and Powell, 1997

Appendix B

CONETEC INTERPRETATION METHODS

A Detailed Description of the Methods Used in ConeTec's CPT Interpretation and Plotting Software

Revision SZW-Rev 05
January 16, 2011

Prepared by Jim Greig

ConeTec Interpretations as of January 16, 2011

ConeTec's interpretation routine provides a tabular output of geotechnical parameters based on current published CPT correlations and is subject to change to reflect the current state of practice. The interpreted values are not considered valid for all soil types. The interpretations are presented only as a guide for geotechnical use and should be carefully scrutinized for consideration in any geotechnical design. Reference to current literature is strongly recommended. ConeTec does not warranty the correctness or the applicability of any of the geotechnical parameters interpreted by the program and does not assume liability for any use of the results in any design or review. Representative hand calculations should be made for any parameter that is critical for design purposes. The end user of the interpreted output should also be fully aware of the techniques and the limitations of any method used in this program. The purpose of this document is to inform the user as to which methods were used and what the appropriate papers and/or publications are for further reference.

The CPT interpretations are based on values of tip, sleeve friction and pore pressure averaged over a user specified interval (e.g. 0.20m). Note that q_t is the tip resistance corrected for pore pressure effects and q_c is the recorded tip resistance. Since all ConeTec cones have equal end area friction sleeves, pore pressure corrections to sleeve friction, f_s, are not required.

The tip correction is: $q_t = q_c + (1-a) \cdot u_2$

where: q_t is the corrected tip resistance
q_c is the recorded tip resistance
u_2 is the recorded dynamic pore pressure behind the tip (u_2 position)
a is the Net Area Ratio for the cone (typically 0.80 for ConeTec cones)

The total stress calculations are based on soil unit weights that have been assigned to the Soil Behavior Type zones, from a user defined unit weight profile or by using a single value throughout the profile.

Effective vertical overburden stresses are calculated based on a hydrostatic distribution of equilibrium pore pressures below the water table or from a user defined equilibrium pore pressure profile (this can be obtained from CPT dissipation tests). For over water projects the effects of the column of water have been taken into account as has the appropriate unit weight of water. How this is done depends on where the instruments were zeroed (i.e. on deck or at mud line).

Details regarding the interpretation methods for all of the interpreted parameters are provided in Table 1. The appropriate references cited in Table 1 are listed in Table 2. Where methods are based on charts or techniques that are too complex to describe in this summary the user should refer to the cited material.

The estimated Soil Behavior Types (normalized and non-normalized) are based on the charts developed by Robertson and Campanella shown in Figures 1 and 2. Alternate classification charts, such as the Bq SBTcharts, are shown in Figure 3.

Where the results of a calculation/interpretation are declared *'invalid'* the value will be represented by the text strings "-9999" or "-9999.0". In some cases the value 0 will be used. Invalid results will occur because of (and not limited to) one or a combination of:

1. Invalid or undefined CPT data (e.g. drilled out section or data gap).

2. Where the interpretation method is inappropriate, for example, drained parameters in an undrained material (and vice versa).

3. Where interpretation input values are beyond the range of the referenced charts or specified limitations of the interpretation method.

4. Where pre-requisite or intermediate interpretation calculations are invalid.

The parameters selected for output from the program are often specific to a particular project. As such, not all of the interpreted parameters listed in Table 1 may be included in the output files delivered with this report.

The output files are provided in Microsoft Excel XLS format. The ConeTec software has several options for output depending on the number or types of interpreted parameters desired. Each output file will be named using the original COR file basename followed by a three or four letter indicator of the interpretation set selected (e.g. BSC, TBL, NLI or IFI) and possibly followed by an operator selected suffix identifying the characteristics of the particular interpretation run.

Table 1
CPT Interpretation Methods

Interpreted Parameter	Description	Equation	Ref
Depth	Mid Layer Depth *(where interpretations are done at each point then Mid Layer Depth = Recorded Depth)*	*Depth (Layer Top) + Depth (Layer Bottom) / 2.0*	
Elevation	Elevation of Mid Layer based on sounding collar elevation supplied by client	Elevation = Collar Elevation - Depth	
Avgqc	Averaged recorded tip value (q_c)	$Avgqc = \frac{1}{n}\sum_{i=1}^{n} q_c$ *n=1 when interpretations are done at each point*	
Avgqt	Averaged corrected tip (q_t) where: $q_t = q_c + (1-a) \bullet u$	$Avgqt = \frac{1}{n}\sum_{i=1}^{n} q_t$ *n=1 when interpretations are done at each point*	
Avgfs	Averaged sleeve friction (f_s)	$Avgfs = \frac{1}{n}\sum_{i=1}^{n} fs$ *n=1 when interpretations are done at each point*	
AvgRf	Averaged friction ratio (Rf) where friction ratio is defined as: $Rf = 100\% \bullet \frac{fs}{qt}$	$AvgRf = 100\% \cdot \frac{Avgfs}{Avgqt}$ *n=1 when interpretations are done at each point*	
Avgu	Averaged dynamic pore pressure *(u)*	$Avgu = \frac{1}{n}\sum_{i=1}^{n} u_i$ *n=1 when interpretations are done at each point*	
AvgRes	Averaged Resistivity (this data is not always available since it is a specialized test requiring an additional module)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} RESISTIVITY_i$ *n=1 when interpretations are done at each point*	
AvgUVIF	Averaged UVIF ultra-violet induced fluorescence (this data is not always available since it is a specialized test requiring an additional module)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} UVIF_i$ *n=1 when interpretations are done at each point*	
AvgTemp	Averaged Temperature (this data is not always available since it is a specialized test)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} TEMPERATURE_i$ *n=1 when interpretations are done at each point*	
AvgGamma	Averaged Gamma Counts (this data is not always available since it is a specialized test requiring an additional module)	$Avgu = \frac{1}{n}\sum_{i=1}^{n} GAMMA_i$ *n=1 when interpretations are done at each point*	
SBT	Soil Behavior Type as defined by Robertson and Campanella	See Figure 1	2, 5

Interpreted Parameter	Description	Equation	Ref
U.Wt.	Unit Weight of soil determined from one of the following user selectable options: 1) uniform value 2) value assigned to each SBT zone 3) user supplied unit weight profile	See references	5
T. Stress σ_v	Total vertical overburden stress at Mid Layer Depth. *A layer is defined as the averaging interval specified by the user. For data interpreted at each point the Mid Layer Depth is the same as the recorded depth.*	$TStress = \sum_{i=1}^{n} \gamma_i h_i$ *where* γ_l is layer unit weight h_i is layer thickness	
E. Stress σ_v'	Effective vertical overburden stress at Mid Layer Depth	$Estress = Tstress - u_{eq}$	
Ueq	Equilibrium pore pressure determined from one of the following user selectable options: 1) hydrostatic from water table depth 2) user supplied profile	For hydrostatic option: $u_{eq} = \gamma_w \cdot (D - D_{wt})$ where u_{eq} is equilibrium pore pressure γ_w is unit weight of water D is the current depth D_{wt} is the depth to the water table	
Cn	SPT N_{60} overburden correction factor	$Cn=(\sigma_v')^{-0.5}$ where σ_v' *is in tsf* $0.5 < C_n < 2.0$	
N_{60}	SPT N value at 60% energy calculated from qt/N ratios assigned to each SBT zone. This method has abrupt N value changes at zone boundaries.	*See Figure 1*	4, 5
$(N_1)_{60}$	SPT N_{60} value corrected for overburden pressure	$(N_1)_{60} = Cn \cdot N_{60}$	4
$N_{60}I_c$	SPT N_{60} values based on the Ic parameter	$(qt/pa)/ N_{60} = 8.5 (1 – Ic/4.6)$	5
$(N_1)_{60}Ic$	SPT N_{60} value corrected for overburden pressure (using N_{60} I_c). User has 2 options.	1) $(N_1)_{60}Ic= Cn \cdot (N_{60}\, Ic)$ 2) $q_{c1n}/ (N_1)_{60}Ic = 8.5 (1 – Ic/4.6)$	4 5
$(N_1)_{60cs}Ic$	Clean sand equivalent SPT $(N_1)_{60}Ic$. User has 3 options.	1) $(N_1)_{60cs}Ic = \alpha + \beta((N_1)_{60}Ic)$ 2) $(N_1)_{60cs}Ic = K_{SPT} * ((N_1)_{60}Ic)$ 3) $q_{c1ncs})/ (N_1)_{60cs}Ic = 8.5 (1 – Ic/4.6)$ FC ≤ 5%: α = 0, β=1.0 FC ≥ 35% α = 5.0, β=1.2 5% < FC < 35% $\alpha = \exp[1.76 – (190/FC^2)]$ $\beta = [0.99 + (FC^{1.5}/1000)]$	10 10 5
Su	Undrained shear strength based on q_t Su factor N_{kt} is user selectable	$Su = \frac{qt - \sigma_v}{N_{kt}}$	1, 5
Su	Undrained shear strength based on pore pressure Su factor $N_{\Delta u}$ is user selectable	$Su = \frac{u_2 - u_{eq}}{N_{\Delta u}}$	1, 5
k	Coefficient of permeability (assigned to each SBT zone)		5
Bq	Pore pressure parameter	$Bq = \frac{\Delta u}{qt - \sigma_v}$ *where:* $\Delta u = u - u_{eq}$ *and* u = *dynamic pore pressure* u_{eq} = *equilibrium pore pressure*	1, 5

Interpreted Parameter	Description	Equation	Ref
Q_t	Normalized q_t for Soil Behavior Type classification as defined by Robertson, 1990	$Qt = \frac{qt - \sigma_v}{\sigma'_v}$	2, 5
F_r	Normalized Friction Ratio for Soil Behavior Type classification as defined by Robertson, 1990	$Fr = 100\% \cdot \frac{fs}{qt - \sigma_v}$	2, 5
Net qt	Net tip resistance	$qt - \sigma_v$	
qe	Effective tip resistance	$qt - u_2$	
qeNorm	Normalized effective tip resistance	$\frac{qt - u_2}{\sigma'_v}$	
SBTn	Normalized Soil Behavior Type as defined by Robertson and Campanella	See Figure 2	2, 5
SBT-BQ	Non-normalized Soil Behavior type based on the Bq parameter	See Figure 3	2, 5
SBT-BQn	Normalized Soil Behavior based on the Bq parameter	See Figure 3	2, 5
SBT-JandD	Soil Behaviour Type as defined by Jeffries and Davies	See Figure 3	7
SBT-BQn	Normalized Soil Behavior base on the Bq parameter	See Figure 3	2, 5
I_c	Soil index for estimating grain characteristics	$Ic = [(3.47 - \log_{10}Q)^2 + (\log_{10} Fr + 1.22)^2]^{0.5}$ *Where:* $Q = \left(\frac{qt - \sigma_v}{P_{a2}}\right)\left(\frac{P_a}{\sigma'_v}\right)^n$ *And* *Fr is in percent* *P_a = atmospheric pressure* *P_{a2} = atmospheric pressure* *n varies from 0.5 to 1.0 and is selected in an iterative manner based on the resulting I_c*	3, 8
FC	Apparent fines content (%)	*$FC=1.75(Ic^{3.25}) - 3.7$* *FC=100 for Ic > 3.5* *FC=0 for Ic < 1.26* *FC = 5% if 1.64 < Ic < 2.6 AND F_r<0.5*	3
Ic Zone	This parameter is the Soil Behavior Type zone based on the Ic parameter (valid for zones 2 through 7 on SBTn chart)	Ic < 1.31 Zone = 7 1.31 < Ic < 2.05 Zone = 6 2.05 < Ic < 2.60 Zone = 5 2.60 < Ic < 2.95 Zone = 4 2.95 < Ic < 3.60 Zone = 3 Ic > 3.60 Zone = 2	3
PHI ϕ	Friction Angle determined from one of the following user selectable options: a) Campanella and Robertson b) Durgunoglu and Mitchel c) Janbu d) Kulhawy and Mayne	See reference	5 5 5 11
Dr	Relative Density determined from one of the following user selectable options: a) Ticino Sand b) Hokksund Sand c) Schmertmann 1976 d) Jamiolkowski - All Sands	See reference	5

Interpreted Parameter	Description	Equation	Ref
OCR	Over Consolidation Ratio	a) Based on Schmertmann's method involving a plot of S_u/σ_v' /($S_u/\sigma_v')_{NC}$ and OCR where the Su/p' ratio for NC clay is user selectable	9
State Parameter	The state parameter is used to describe whether a soil is contractive (SP is positive) or dilative (SP is negative) at large strains based on the work by Been and Jefferies	See reference	8, 6, 5
Es/qt	Intermediate parameter for calculating Young's Modulus, E, in sands. It is the Y axis of the reference chart.	Based on Figure 5.59 in the reference	5
Young's Modulus E	Young's Modulus based on the work done in Italy. There are three types of sands considered in this technique. The user selects the appropriate type for the site from: a) OC Sands b) Aged NC Sands c) Recent NC Sands Each sand type has a family of curves that depend on mean normal stress. The program calculates mean normal stress and linearly interpolates between the two extremes provided in the Es/qt chart.	Mean normal stress is evaluated from: $\sigma'_m = \frac{1}{3}\left(\sigma'_v + \sigma'_h + \sigma'_h\right)^3$ where σ_v'= vertical effective stress σ_h'= horizontal effective stress and $\sigma_h = K_o \cdot \sigma_v'$ with Ko assumed to be 0.5	5
q_{c1}	q_t normalized for overburden stress used for seismic analysis	$q_{c1} = q_t \cdot (Pa/\sigma_v')^{0.5}$ where: Pa = atm. Pressure q_t is in MPa	3
q_{c1n}	q_{c1} in dimensionless form used for seismic analysis	$q_{c1n} = (q_{c1} / Pa)(Pa/\sigma_v')^n$ where: Pa = atm. Pressure and n ranges from 0.5 to 0.75 based on Ic.	3
K_{SPT}	Equivalent clean sand factor for $(N_1)60$	$K_{SPT} = 1 + ((0.75/30) \cdot (FC - 5))$	10
K_{CPT}	Equivalent clean sand correction for q_{c1N}	$K_{cpt} = 1.0$ for $I_c \leq 1.64$ $K_{cpt} = f(I_c)$ for $I_c > 1.64$ (see reference)	10
q_{c1ncs}	Clean sand equivalent q_{c1n}	$q_{c1ncs} = q_{c1n} \cdot K_{cpt}$	3
CRR	Cyclic Resistance Ratio (for Magnitude 7.5)	$q_{c1ncs} < 50$: $CRR_{7.5} = 0.833\ [(q_{c1ncs}/1000] + 0.05$ $50 \leq q_{c1ncs} < 160$: $CRR_{7.5} = 93\ [(q_{c1ncs}/1000]^3 + 0.08$	10
CSR	Cyclic Stress Ratio	$CSR = (\tau_{av}/\sigma_v') = 0.65\ (a_{max} / g)\ (\sigma_v/ \sigma_v')\ r_d$ $r_d = 1.0 - 0.00765\ z$ $z \leq 9.15$m $r_d = 1.174 - 0.0267\ z$ $9.15 < z \leq 23$m $r_d = 0.744 - 0.008\ z$ $23 < z \leq 30$m $r_d = 0.50$ $z > 30$m	10

Interpreted Parameter	Description	Equation	Ref
MSF	Magnitude Scaling Factor	See Reference	10
FofS	Factor of Safety against Liquefaction	FS = ($CRR_{7.5}$ / CSR) MSF	10
Liquefaction Status	Statement indicating possible liquefaction	Takes into account FofS and limitations based on I_c and q_{c1ncs}.	10
Cont/Dilat Tip	Contractive / Dilative qc1 Boundary based on $(N_1)_{60}$	$(\sigma_v')_{boundary} = 9.58 \times 10^{-4} [(N_1)_{60}]^{-4.79}$ qc1 is calculated from specified qt(MPa)/N ratio	11
Su(Liq)/s'v	Liquefied Shear Strength Ratio	$\frac{Su(Liq)}{\sigma_v'} = 0.03 + 0.0143(q_{c1})$	12

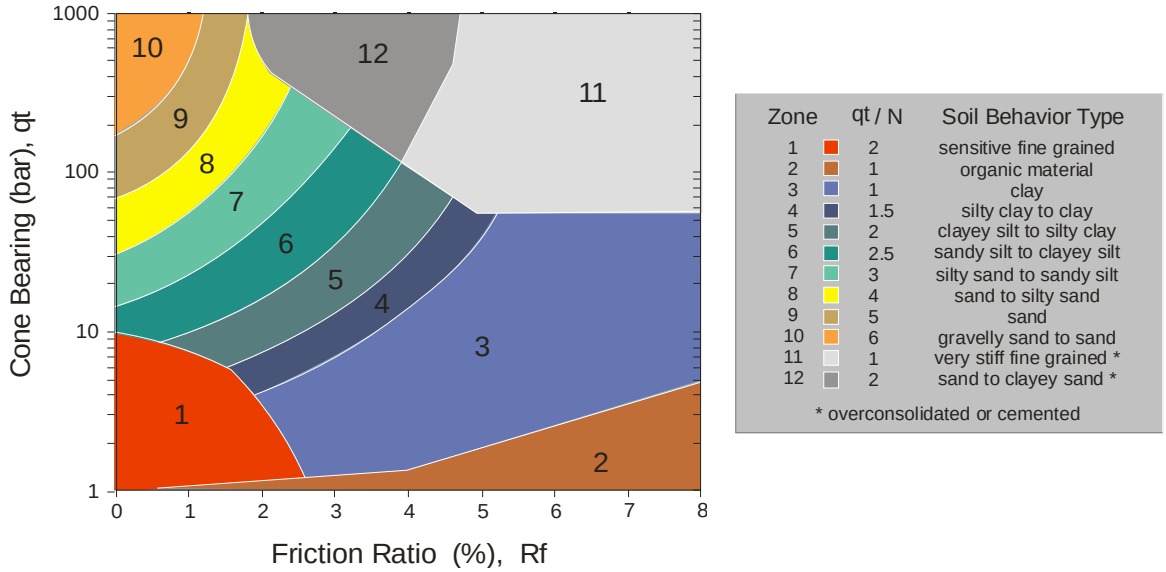


Figure 1 Non-Normalized Behavior Type Classification Chart

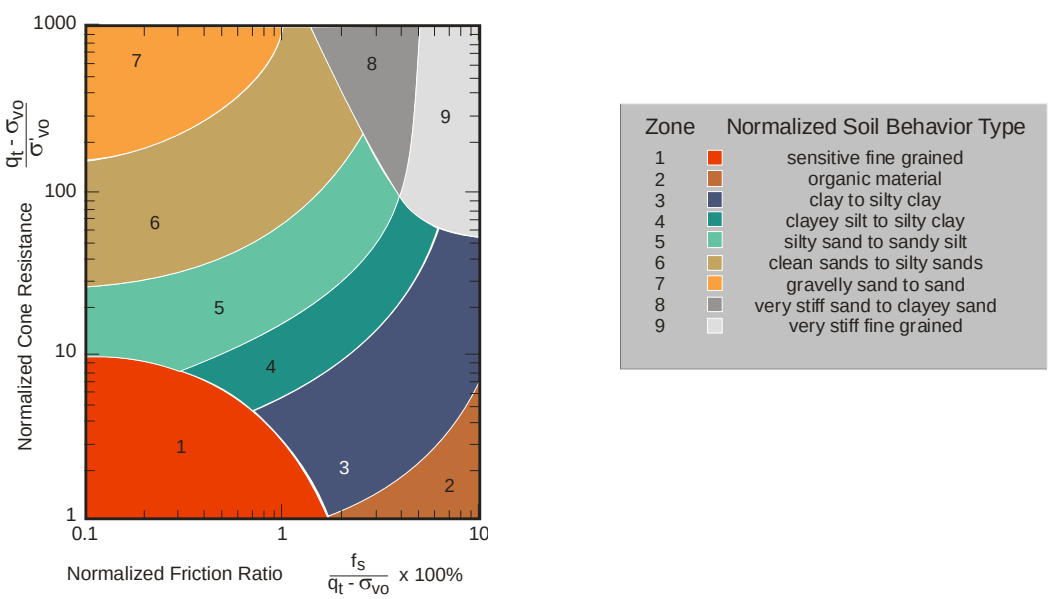


Figure 2 Normalized Behavior Type Classification Chart

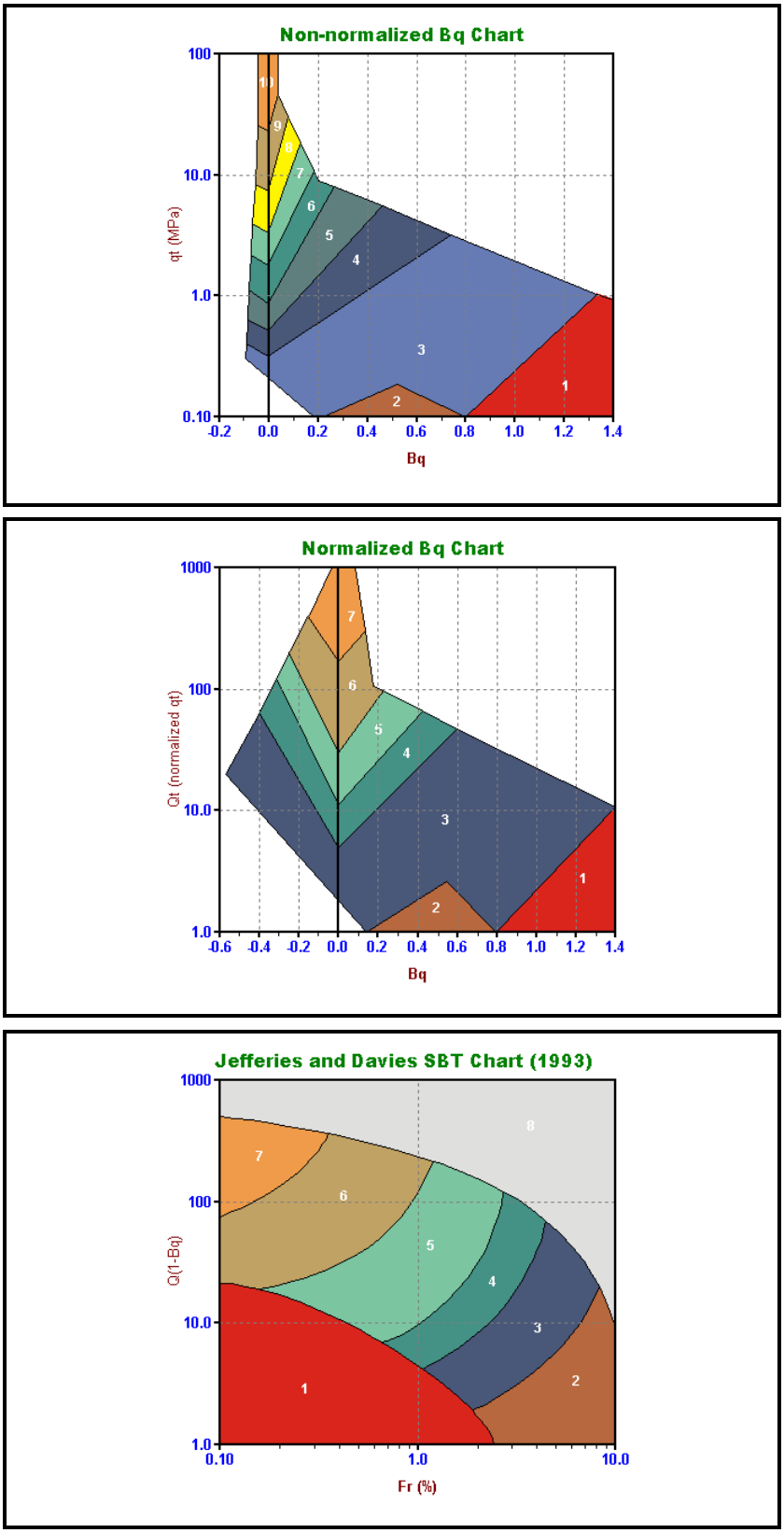


Figure 3 – Alternate Soil Behaviour Type Charts

Table 2 References

No.	References
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10	Proceedings of theNCEER Workshop on Evaluation of Liquefaction Resistance of Soils, Salt LakeCity, 1996. Chaired by Leslie Youd. 11
11	Kulhawy, F.H. and Mayne, P.W. ,1990, "Manual on Estimating Soil Properties for Foundation Design, *Report No. EL-6800"*, Electric Power Research Institute, Palo Alto, CA, August 1990, 306 p.
12	Oslon, Scott M. and Stark, Timothy D., 2003, "Yield Strength Ratio and Liquefaction Analysis of Slopes and Embankments", Journal of Geotechnical and Geoenvironmental Engineering, ASCE, August 2003.

Appendix C

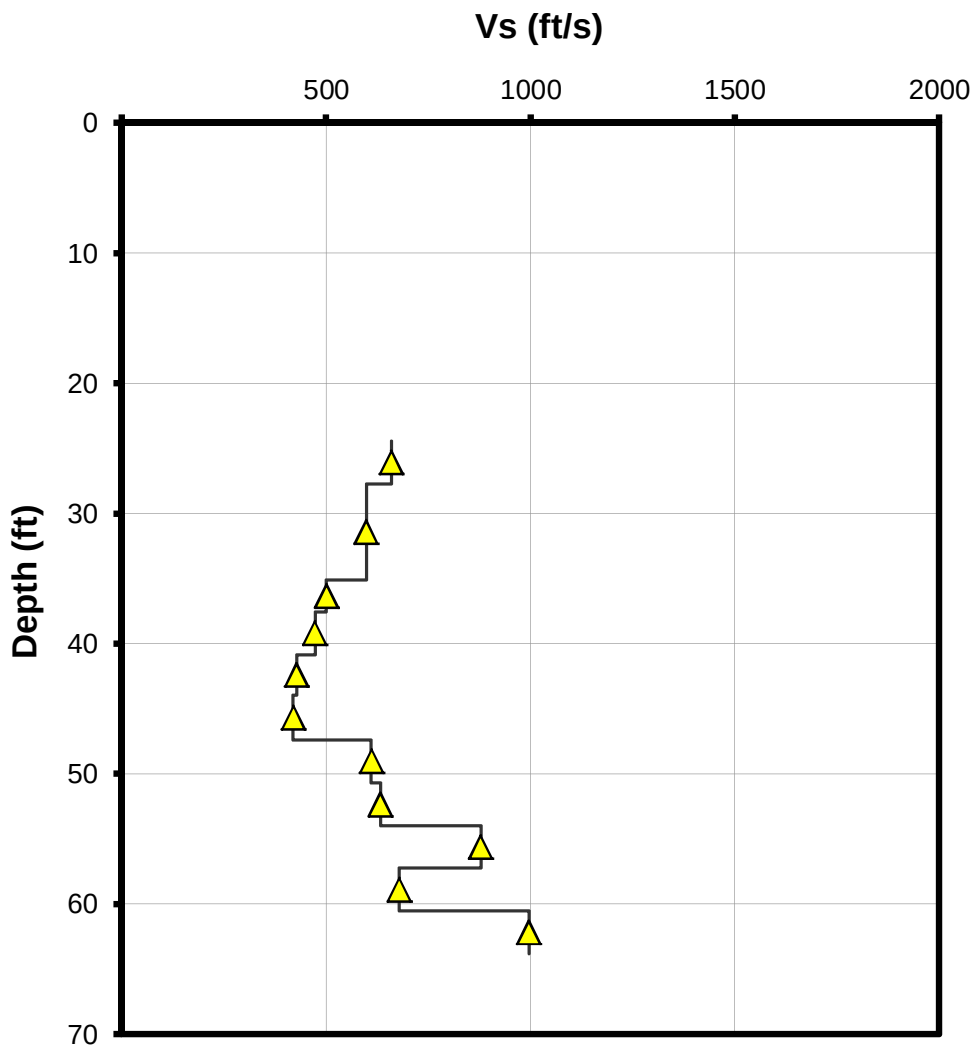
Job No	12-733
Client	Langan Engineering
Project Title	551 West 21st Street
Hole	CPT-03A
Site	New York, New York
Date	6/5/2012

Seismic Source:	Beam	
Source Offset:	1.10	(ft)
Source Depth:	0.00	(ft)
Geophone Offset:	0.66	(ft)

SEISMIC TEST RESULTS - Vs

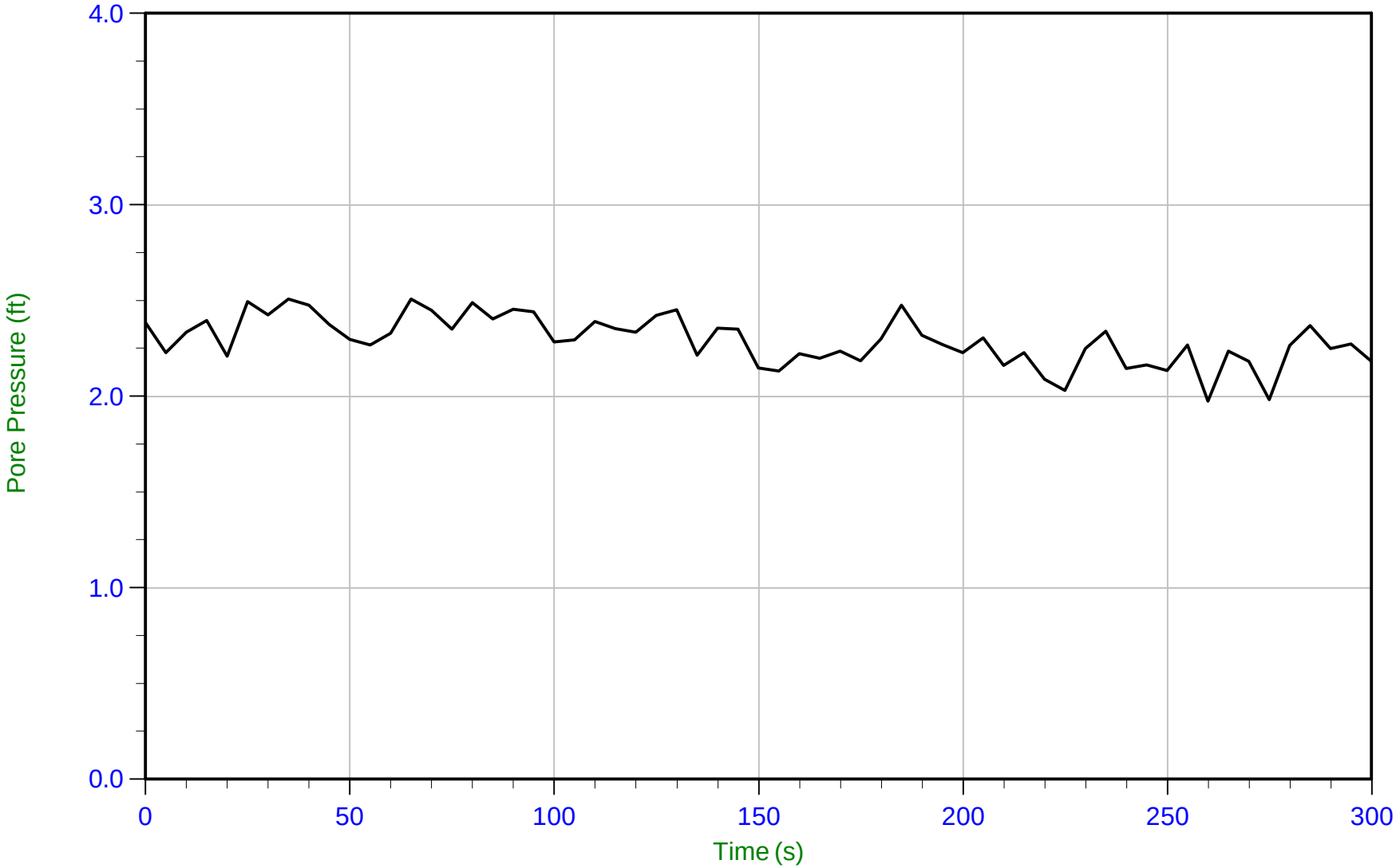
Tip Depth (ft)	Geophone Depth (ft)	Ray Path (ft)	Depth Interval (ft)	Time Interval (ms)	Mid-layer Depth (ft)	Vs Interval Velocity (ft/s)
25.10	24.44	24.47				
28.38	27.72	27.75	3.28	4.97	26.08	659
35.76	35.10	35.12	7.38	12.33	31.41	598
38.22	37.56	37.58	2.46	4.91	36.33	501
41.50	40.84	40.86	3.28	6.93	39.20	473
44.62	43.96	43.98	3.12	7.29	42.40	428
48.06	47.40	47.42	3.44	8.20	45.68	419
51.34	50.68	50.70	3.28	5.37	49.04	611
54.63	53.97	53.99	3.29	5.19	52.33	634
57.91	57.25	57.26	3.28	3.73	55.61	879
61.19	60.53	60.54	3.28	4.83	58.89	679
64.47	63.81	63.82	3.28	3.29	62.17	997

Job No: 12-733
Client: Langan Engineering
Project: 551 West 21st Street
Sounding: CPT-03a
Date: June 5, 2012



Appendix D

Langan Engineering	Job No: 12-733 Date: 05/29/2012 13:37 Site: 551 W. 21st St.	Sounding: CPT-02 Cone: 268:T1500F15U500 Cone Area: 15 sq cm



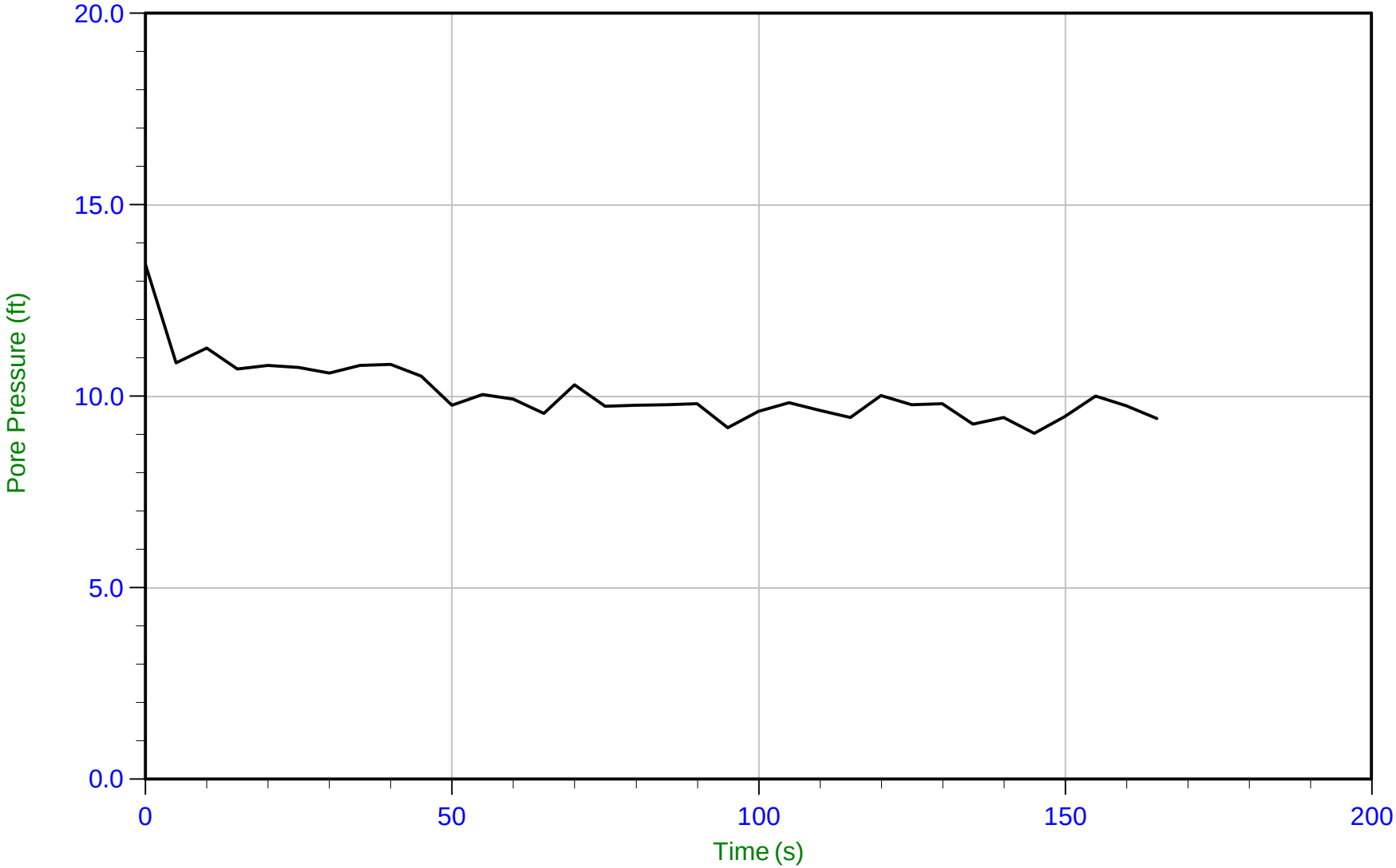
Trace Summary:

Filename: 733CP02.PPD
Depth: 3.050 m / 10.006 ft
Duration: 300.0 s

U Min: 2.0 ft
U Max: 2.5 ft

WT: 2.394 m / 7.854 ft
Ueq: 2.2 ft

Langan Engineering	Job No: 12-733 Date: 06/05/2012 11:25 Site: 551 W. 21st St.	Sounding: CPT-03A Cone: 268:T1500F15U500 Cone Area: 15 sq cm



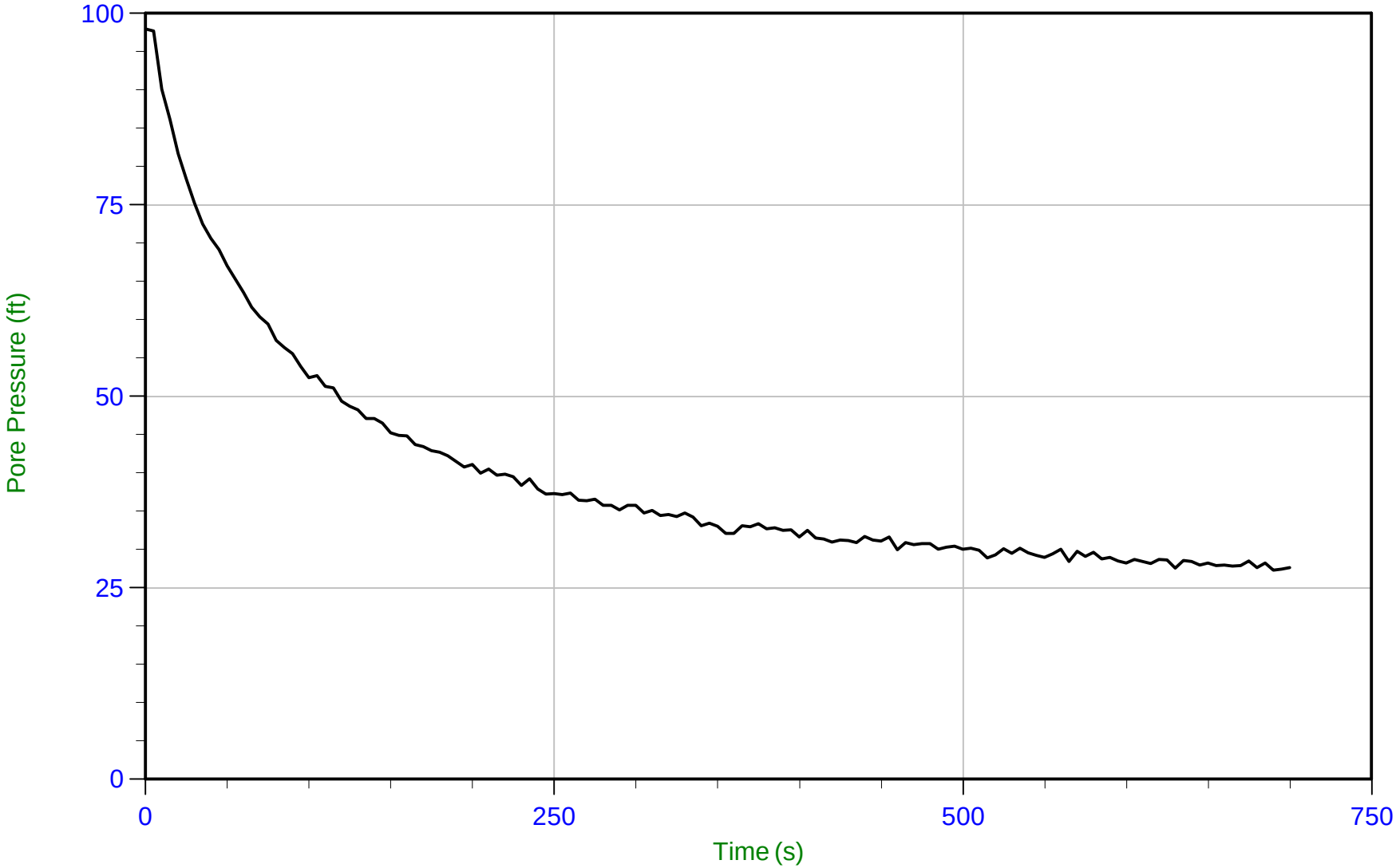
Trace Summary:

Filename: 733CP03A.PPD
Depth: 5.300 m / 17.388 ft
Duration: 165.0 s

U Min: 9.0 ft
U Max: 13.5 ft

WT: 2.368 m / 7.770 ft
Ueq: 9.6 ft

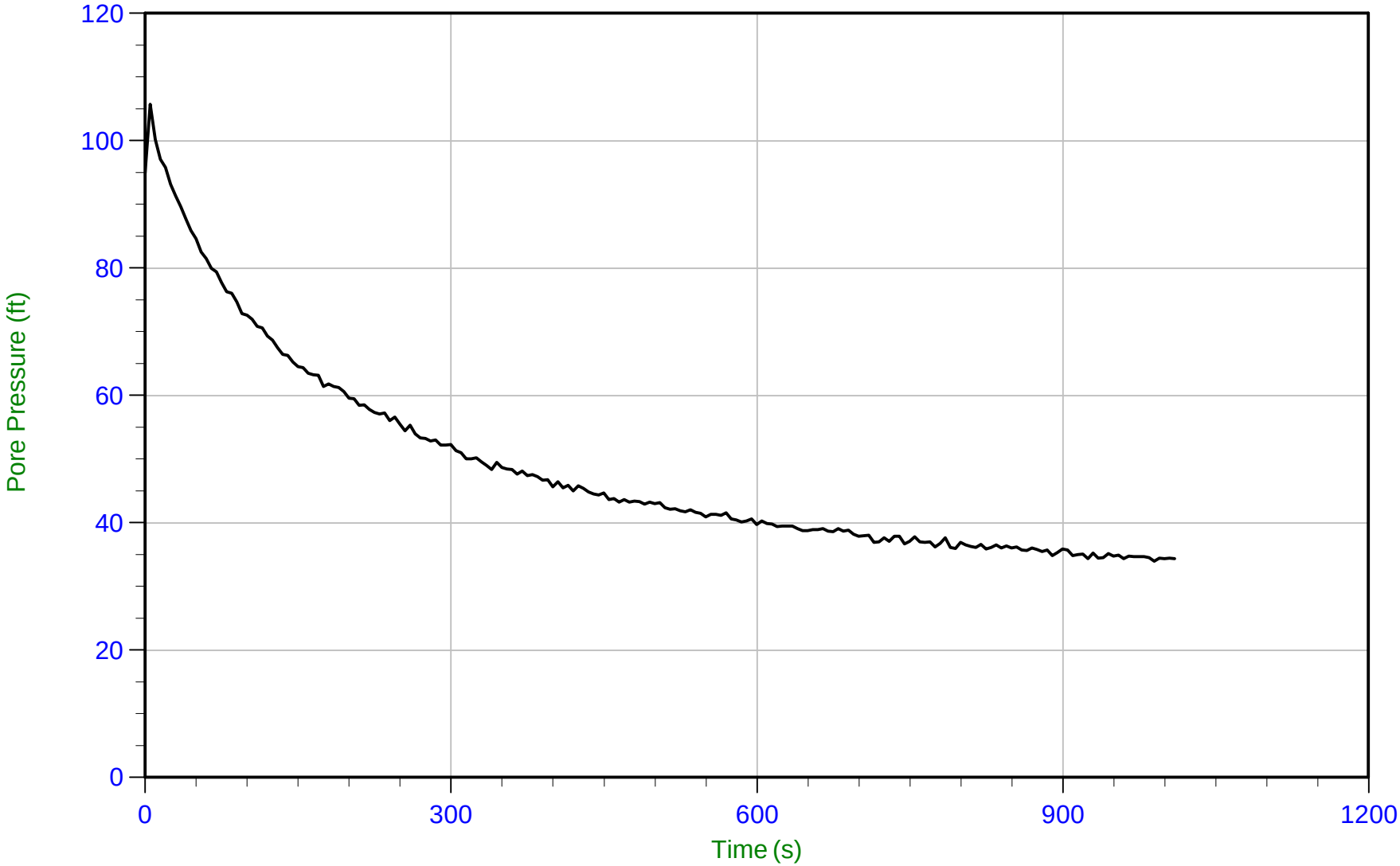
CONETEC	Langan Engineering	Job No: 12-733 Date: 06/05/2012 11:25 Site: 551 W. 21st St.
		Sounding: CPT-03A Cone: 268:T1500F15U500 Cone Area: 15 sq cm



Trace Summary:

Filename: 733CP03A.PPD	U Min: 27.3 ft	WT: 2.368 m / 7.770 ft	T(50): 68.8 s
Depth: 9.500 m / 31.168 ft	U Max: 98.0 ft	Ueq: 23.4 ft	Ir: 100
Duration: 700.0 s		U(50): 60.68 ft	Ch: 10.2 sq cm/min

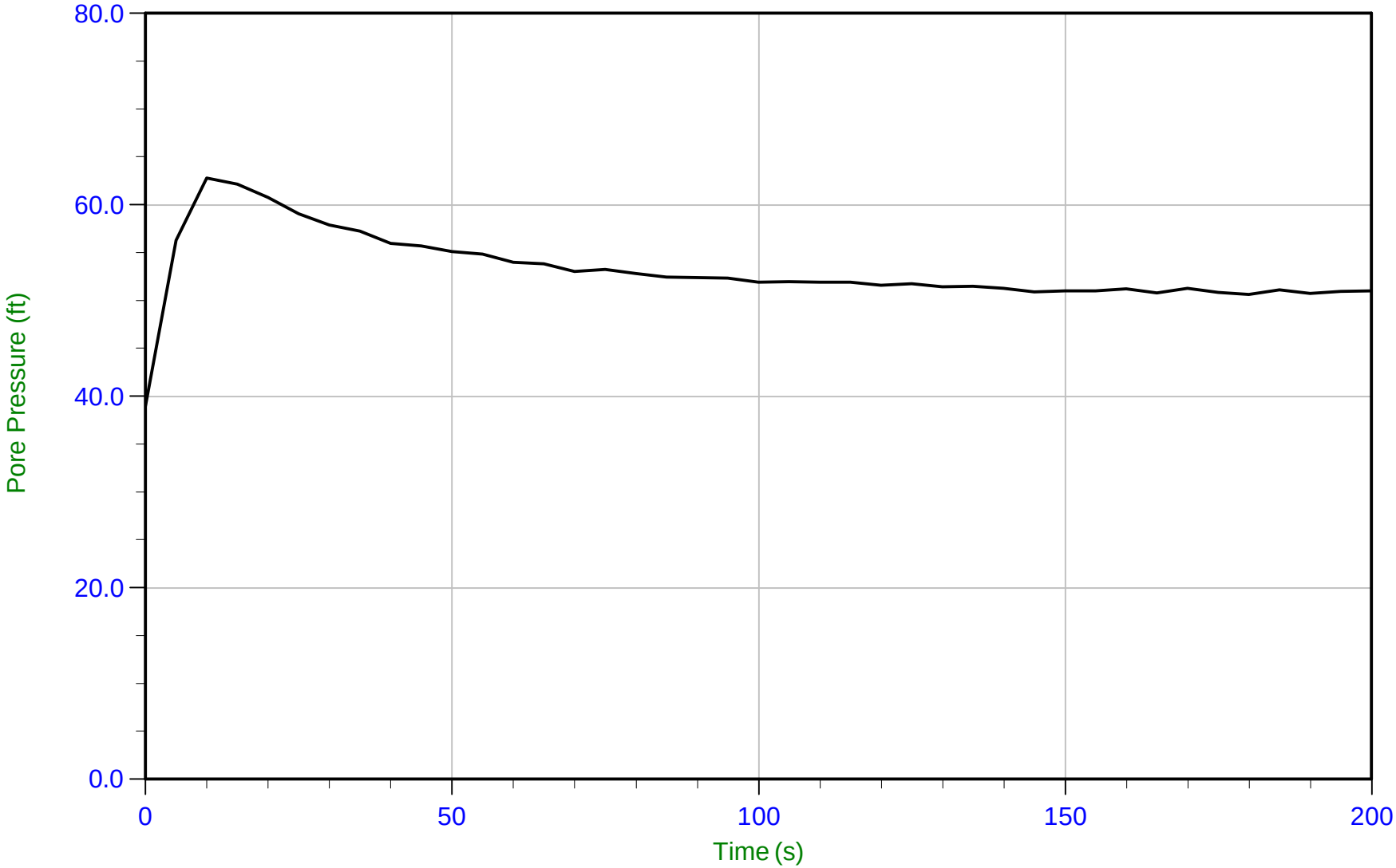
CONETEC	Langan Engineering	Job No: 12-733 Date: 06/05/2012 11:25 Site: 551 W. 21st St.
		Sounding: CPT-03A Cone: 268:T1500F15U500 Cone Area: 15 sq cm



Trace Summary:

Filename: 733CP03A.PPD	U Min: 34.0 ft	WT: 2.368 m / 7.770 ft	T(50): 128.0 s
Depth: 10.900 m / 35.761 ft	U Max: 105.7 ft	Ueq: 28.0 ft	Ir: 100
Duration: 1010.0 s		U(50): 66.86 ft	Ch: 5.5 sq cm/min

Langan Engineering	Job No: 12-733 Date: 06/05/2012 11:25 Site: 551 W. 21st St.	Sounding: CPT-03A Cone: 268:T1500F15U500 Cone Area: 15 sq cm



Trace Summary:

Filename: 733CP03A.PPD
Depth: 19.100 m / 62.663 ft
Duration: 200.0 s

U Min: 38.9 ft
U Max: 62.8 ft

WT: 3.651 m / 11.977 ft
Ueq: 50.7 ft

Appendix E

Electronic Data Files

The released data contains the following folders:

1. CPT Data - .cor files in ASCII format, and or .xls files.
2. Pore Pressure Dissipation Data - .ppd files in Excel format
3. CPT Plots - .pdf files
4. Data Interpretation - .xls files contain common engineering values
5. Shear Wave Velocity Data - .pdf files of tabular and graphical seismic data.

ConeTec Digital File Formats

CPT Data Files (COR Extension)

ConeTec data files are stored in ASCII text files that are readable by almost any text editor. ConeTec CPT data files are named such that the first 3 characters contain the job number, the next two characters are CP followed by two characters indicating the sounding number. The last 8th character position is reserved for the letters a, b, c, d etc to uniquely identify multiple soundings at the same location. The CPT sounding file has the extension COR, and pore pressure dissipation files have the extension PPD or PPF. As an example, for job number 06-127 the first sounding will have file names 127CP01.COR and 127CP01.PPD.

The sounding (COR) file consists of the following components:

1. Two lines of header information
2. Data records
3. End of data marker
4. Units information

Header Lines

Line 1: Columns 1-6 may be blank or may indicate the version number of the recording software
Columns 7-21 contain the sounding Date and Time
Columns 22-36 contain the sounding Operator

Line 2: Columns 1-16 contain the Job Location
Columns 17-31 contain the Cone ID
Columns 32-47 contain the sounding number

Data Records

The data records contain 4 or more columns of data in floating point format. A comma (and spaces) separates each data item:

Column 1: Sounding Depth (meters)
Column 2: Tip (q_c) data uncorrected for pore pressure effects. Recorded in units selected by the operator.
Column 3: Sleeve (f_s) data. Recorded in units selected by the operator
Column 4: Dynamic pore pressure readings. Recorded in units selected by the operator
Column 5: Empty, Resistivity, UVIF or Gamma data

End of Data Marker

After the last line of data there will be a line containing ASCII 26 (CTL-Z) and a newline (carriage return/ line feed) character. This is used to mark the end of data.

Units Information

The last section of the file contains information about the units that were selected for the sounding. A separator bar makes up the first line. The second line contains the type of units used for depth, q_c, f_s and u. The third line contains the conversion values required for ConeTec's software to convert the recorded data to an internal set of base units (bar for q_c, bar for f_s and meters for u).

CPT Dissipation Files (PPx Extension)

CPT Dissipation files have the same naming convention as the CPT sounding files and have the extension PPD, PPF or PPM. PPF (PPM and PPD) files consist of the following components:

1. Two lines of header information
2. Data records

Header Lines (same as COR file):

Line 1: Columns 1-6 may be blank or may indicate the version number of the recording software
Columns 7-21 contain the sounding Date and Time
Columns 22-36 contain the sounding Operator

Line 2: Columns 1-16 contain the Job Location
Columns 17-31 contain the Cone ID
Columns 32-47 contain the sounding number

Data Records

The data records immediately follow the header lines. Each data record can occupy several lines in the file and is a complete record of a dissipation test at a particular depth. Each data record starts with a line containing two values separated by spaces; the first value being an index number (not currently used by the Software) and the second being the dissipation test depth in meters. Following this line are the dissipation pore pressure values stored at 5 second intervals with a maximum of 12 entries per line. The last line of the dissipation record may not contain a full 12 entries. The data record is terminated with an ASCII 30 character (appears as a triangle in some editors).

This sequence is repeated for every dissipation test in the sounding. No marker is used to indicate end of file. Units information is not stored in this file. Users need to check the CPT file for the units that were used.

CPT Basic Interpretations (TBL Extension)

ConeTec's basic CPT interpretation output files are generally delivered in text files with a TBL extension. The root file name is the same as the COR files. A number of calculated geotechnical parameters are presented in these files. The files are stored as ASCII text files that can be viewed using any text editor such as Notepad or Wordpad. The files do not contain any page formatting. These files are not distributed if the enhanced interpretation files are provided.

CPT Enhanced Interpretations (IFI, IFP, XLS Extension)

ConeTec's enhanced CPT interpretation output files are delivered in several formats, each file type containing the exact same information but formatted slightly differently. The files typically have any of the following file extensions:

1. IFI — an importable TAB delimited ASCII text file containing approximately 47 data columns of geotechnical interpretations. The file is designed for easy import to Excel. A companion document describes the techniques used for the interpretations (usually reproduced at the beginning of the Interpretation Appendix). Text editors can be used to view the file contents, however, they may remove the tabs or replace the tabs with spaces upon saving the file destroying the feature that makes them easy to import into Excel.

   Because Excel imports the data as text and the sheet is protected two steps may be necessary to modify the data or use the values in certain Excel functions:

   a) Under Tools (Excel 2000) Select the Protection Option and then Unprotect the sheet
   b) Select the entire sheet, copy and then use Paste Special to paste as values to a second sheet.

   Future versions of our interpretation routine will address these inconveniences.

2. IFP — a printable ASCII text file containing the same 47 columns of geotechnical interpretations as the IFI file. This file type has been formatted as a multi-page document with up to 132 characters per line and up to 68 lines per page. Each page has been separated into multiple sections to accommodate all the data fields. Each physical page has a header section and a page/section number. The file is designed for direct printing to laser printers set into compressed font mode. This output is typically provided in the Interpretation Appendix.

   An abbreviated set of interpretations (containing 36 columns of output) may be generated instead. These files usually have the extensions NLI and NLP. XLS files can be generated from these as well.

3. XLS — an Excel format file that has been generated directly from the corresponding IFI file. IFI and IFP files are not distributed if the XLS files are generated. The XLS files may have been generated from abbreviated NLI interpretation files.

In each case root file name is the same as the COR files.

CPT Interpretations (Excel Format)

ConeTec's latest software (September 2007) outputs CPT interpretations directly to Excel format (XLS extension) without creating intermediate ASCII files. Because of the desires of various clients, there are several different configurations of output parameters in ConeTec's interpretation files. Since the Excel format file must have the XLS extension a suffix is used after the basename of the source CPT data file (COR) to identify the format of the file. The configurations still follow the formats described above and use the same extensions but now as suffixes. To allow for various runs (e.g. using a different water table, or user supplied equilibrium profile, or different methods for a particular parameter) of the same data an additional suffix may be specified by the engineer post processing the data to identify each particular run. This suffix will follow the one used to identify the format of the file.

For example:

If the selected format is ConeTec's TBL configuration and each run is identified by a run number. The resultant files generated for 278CP01.COR would be:

78CP01-TBL-RUN01.XLS
78CP01-TBL-RUN02.XLS
78CP01-TBL-RUN03.XLS

CPT Data in Excel Format

ConeTec can now provide the equivalent of the ASCII COR files in Excel Format. These files will have the same basename as the COR files and an XLS extension.

Pore Pressure Dissipation Data in Excel Format

ConeTec can now provide the equivalent of the ASCII PPD format files in Excel format. These files will contain each dissipation trace that exceeds a minimum duration (selected by the engineer during post-processing) in a particular Excel spreadsheet column. The first column (Column A) will contain the time in seconds and the second column (Column B) will contain the time in minutes. Subsequent columns will contain dissipation trace data. The time columns will extend to the longest trace of the data set.

Detailed header information is provided at the top of the spreadsheet. The test depth in meters and feet, the number of points in the trace and the particular units are identified at the top of each trace column.

The Excel format file names will have the same basename as the original PPD format file followed by the suffix -PPD and then followed by a second suffix that the engineer doing the post processing can specify. Because the engineer can select various types of units for the dissipation data output (which can be different from the units used in the original recording) the secondary suffix is often used to identify the units in the XLS file, however, the original recorded units and the output units are clearly identified within the XLS spreadsheet file.

APPENDIX C

LABORATORY TEST RESULTS

GeoTesting EXPRESS

Client:	Langan Engineering				
Project:	551 W. 21st Street				
Location:	Manhattan, NY			Project No:	GTX-11889
Boring ID: ---		Sample Type: ---		Tested By:	jek
Sample ID:---		Test Date:	06/19/12	Checked By:	jdt
Depth : ---		Sample Id: ---			

Moisture Content of Soil - ASTM D 2216-05

Boring ID	Sample ID	Depth	Description	Moisture Content,%
B-10 (OW)	UD-1	47-49 ft.	Moist, dark olive gray clay	48.1
B-10 (OW)	UD-2	55-57 ft.	Moist, dark olive gray clay	35.6
B-10 (OW)	UD-3	65-67 ft.	Moist, dark grayish brown clay	49.6
B-10	S-17	67-69 ft.	Moist, brown silty sand	19.3
B-11	UD-1	27-29 ft.	Moist, very dark grayish brown clay	66.6
B-11	UD-2	35-37 ft.	Moist, very dark gray clay	51.9
B-11	UD-3	40-42 ft.	Moist, gray clay	50.8
B-11	S-17	65-67 ft.	Moist, brown silt with sand	23.8

Notes: Temperature of Drying : 110° Celsius

GeoTesting EXPRESS

Client:	Langan Engineering				
Project:	551 W. 21st Street				
Location:	Manhattan, NY			Project No:	GTX-11889
Boring ID: ---		Sample Type: ---		Tested By:	jek
Sample ID:---		Test Date:	06/11/12	Checked By:	jdt
Depth : ---		Test Id:	238720		

Moisture, Ash, and Organic Matter - ASTM D 2974

Boring ID	Sample ID	Depth	Description	Moisture Content,%	Ash Content,%	Organic Matter,%
B-10 (OW)	UD-1	47-49 ft.	Moist, dark olive gray clay	48	98.2	1.8
B-11	UD-1	27-29 ft.	Moist, very dark grayish brown clay	69	96.2	3.8

Notes: Moisture content determined by Method A and reported as a percentage of oven-dried mass; dried to a constant mass at temperature of 110° C
Ash content and organic matter determined by Method C; dried to constant mass at temperature 440° C

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: ---	Sample Type: ---	Tested By:	jbr
Sample ID:---	Test Date: 06/13/12	Checked By:	jdt
Depth : ---	Test Id: 239354		

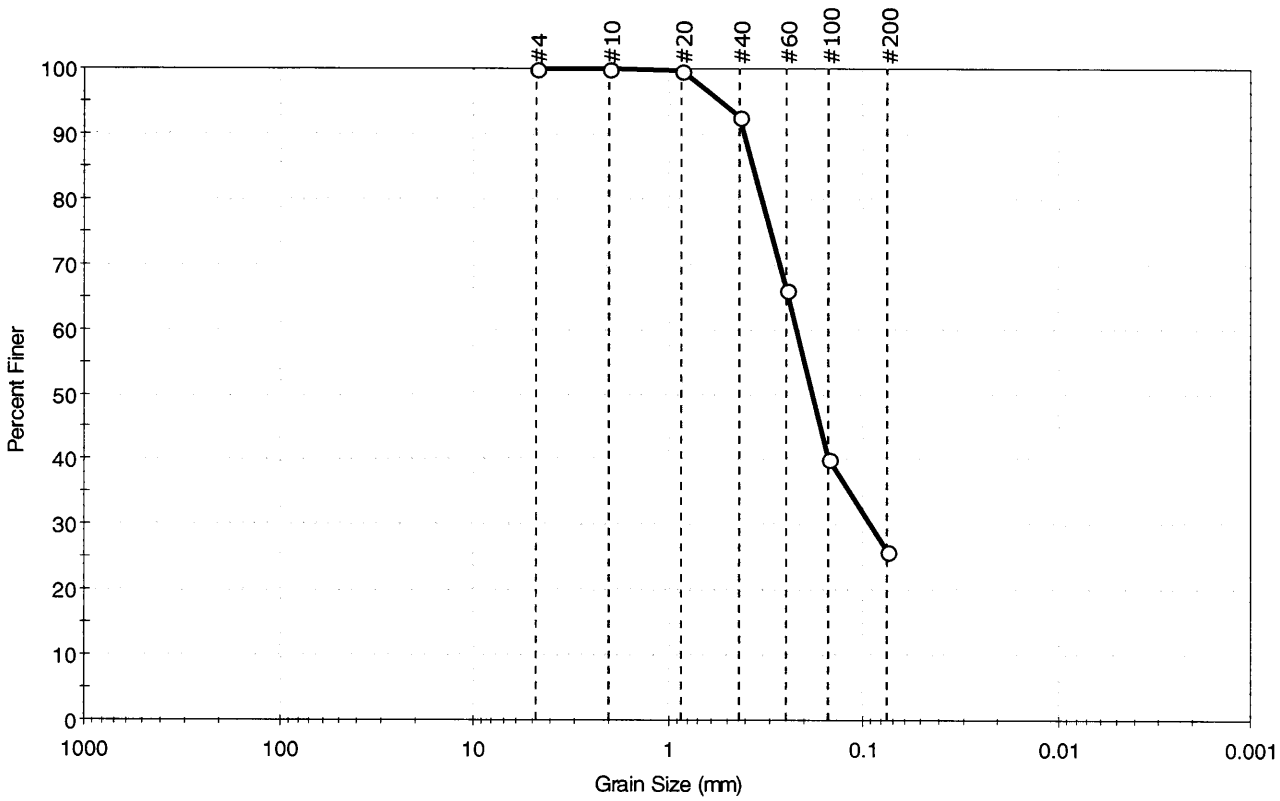
Percent Passing #200 Sieve - ASTM D 1140-00

Boring ID	Sample ID	Depth	Visual Description	Fines, %
B-8	S-4	7-9 ft.	Moist, dark gray silty sand with gravel	17.2
B-8	S-6	11-13 ft.	Moist, dark grayish brown silty sand	23.8
B-8	S-16	55-57 ft.	Moist, dark gray silty sand	38.3
B-11	S-6	11-13 ft.	Moist, dark grayish brown silty sand	30
B-11	S-19	75-77 ft.	Moist, reddish brown sandy silt	52.1

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-10	Sample Type: jar	Tested By:	jbr
Sample ID:S-17	Test Date: 06/14/12	Checked By:	jdt
Depth : 67-69 ft.	Test Id: 239346		
Test Comment:	---		
Sample Description:	Moist, brown silty sand		
Sample Comment:	---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	74.1	25.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.42	93		
#60	0.25	66		
#100	0.15	40		
#200	0.075	26		

Coefficients

D_{85} = 0.3653 mm D_{30} = 0.0915 mm
D_{60} = 0.2217 mm D_{15} = N/A
D_{50} = 0.1820 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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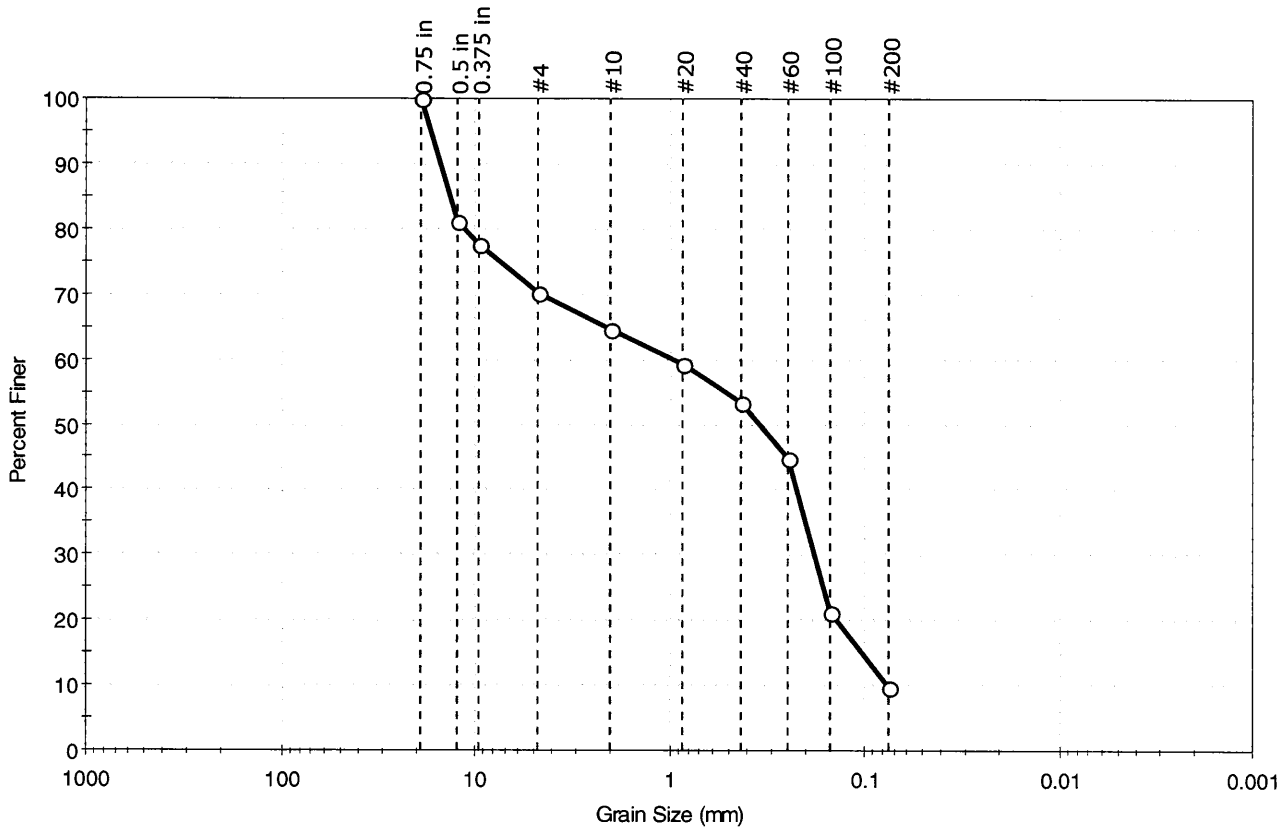
GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-11	Sample Type: jar	Tested By:	jbr
Sample ID:S-8	Test Date: 06/13/12	Checked By:	jdt
Depth : 20-22 ft.	Test Id: 239345		

Test Comment: ---
Sample Description: Moist, very dark grayish brown sand with silt and gravel
Sample Comment: ---

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	29.9	60.3	9.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	81		
0.375 in	9.50	78		
#4	4.75	70		
#10	2.00	65		
#20	0.85	59		
#40	0.42	53		
#60	0.25	45		
#100	0.15	21		
#200	0.075	10		

Coefficients

D_{85} = 13.6432 mm D_{30} = 0.1816 mm
D_{60} = 0.9369 mm D_{15} = 0.1031 mm
D_{50} = 0.3458 mm D_{10} = 0.0758 mm
C_u = 12.360 C_c = 0.464

Classification

ASTM N/A

AASHTO Fine Sand (A-3 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ROUNDED
Sand/Gravel Hardness : HARD

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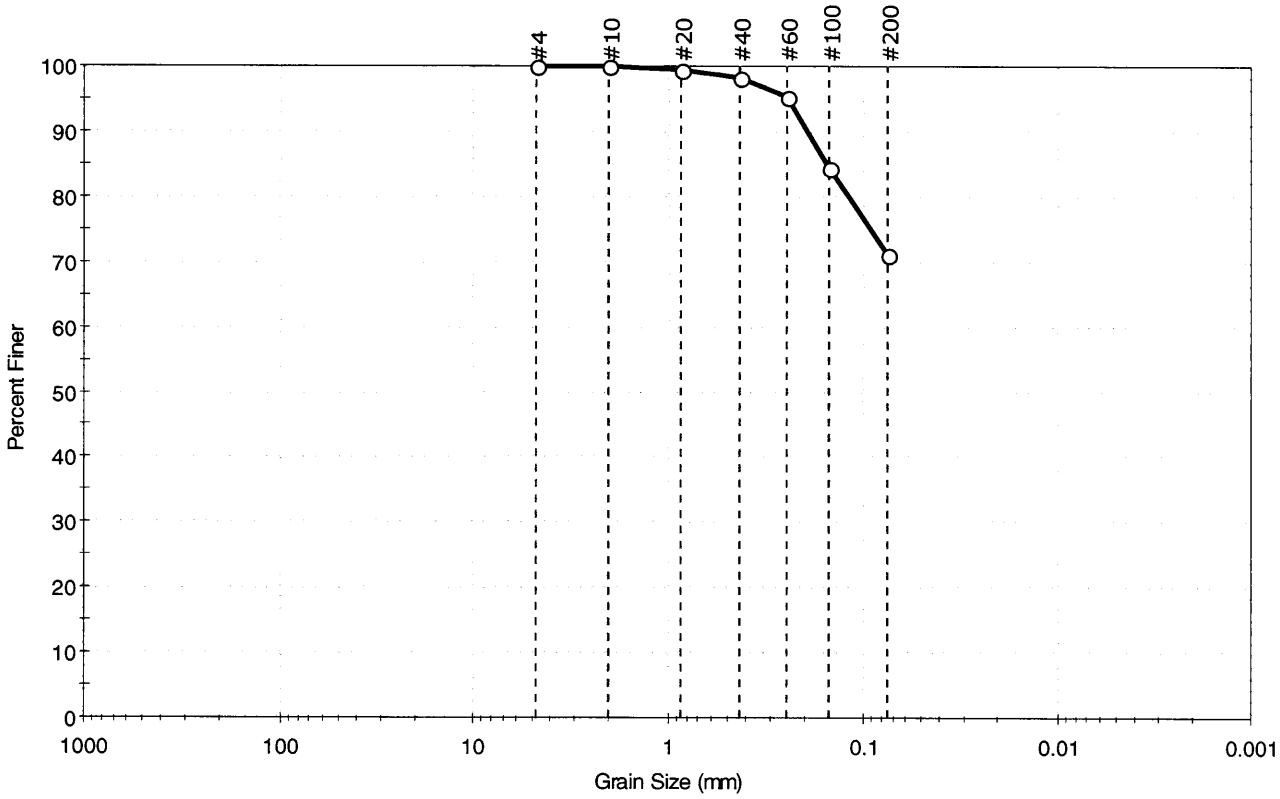
GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-11	Sample Type: jar	Tested By:	jbr
Sample ID:S-17	Test Date: 06/14/12	Checked By:	jdt
Depth : 65-67 ft.	Test Id: 239347		
Test Comment:	---		
Sample Description:	Moist, brown silt with sand		
Sample Comment:	---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	0.0	28.8	71.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	99		
#40	0.42	98		
#60	0.25	95		
#100	0.15	84		
#200	0.075	71		

Coefficients

D_{85} = 0.1537 mm D_{30} = N/A
D_{60} = N/A D_{15} = N/A
D_{50} = N/A D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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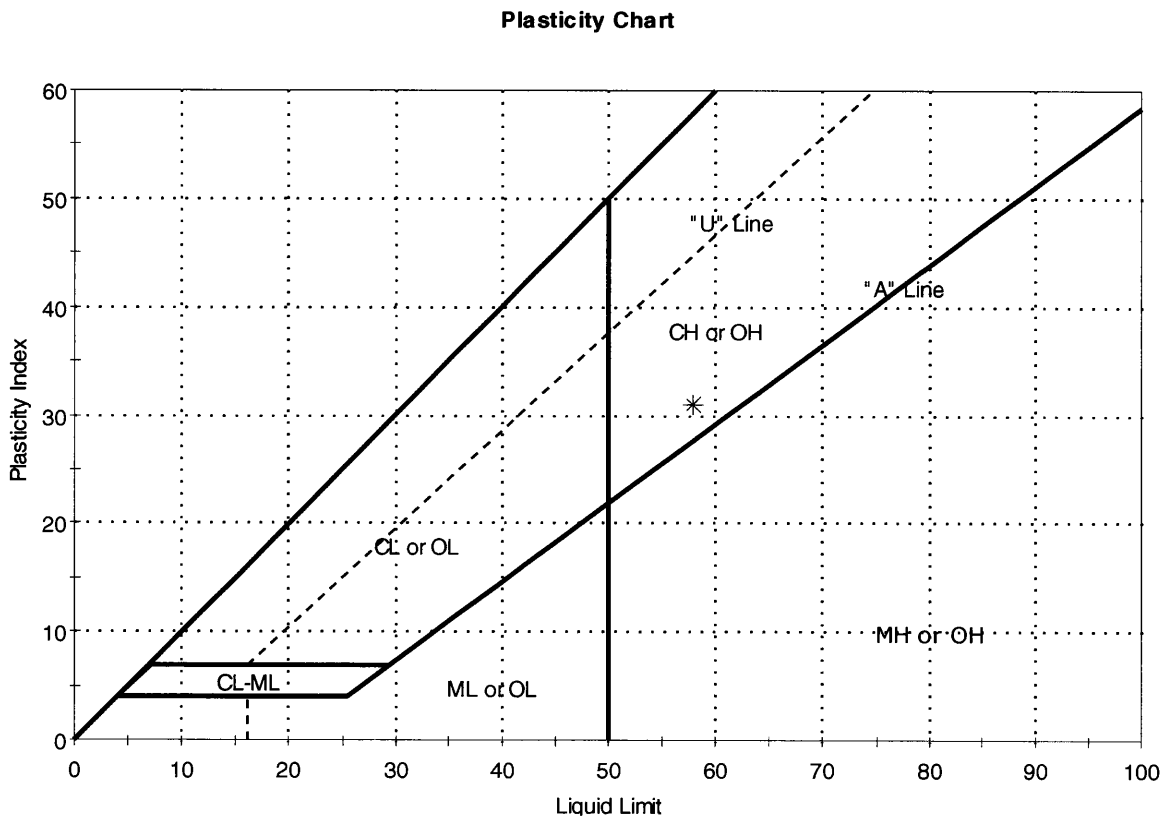
GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-10 (OW)	Sample Type: tube	Tested By:	cam
Sample ID:UD-1	Test Date: 06/11/12	Checked By:	jdt
Depth : 47-49 ft.	Test Id: 238701		
Test Comment:	---		
Sample Description:	Moist, dark olive gray clay		
Sample Comment:	---		

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
✳	UD-1	B-10 (OW)	47-49 ft.	48	58	27	31	1	

Sample Prepared using the WET method

Dry Strength: VERY HIGH

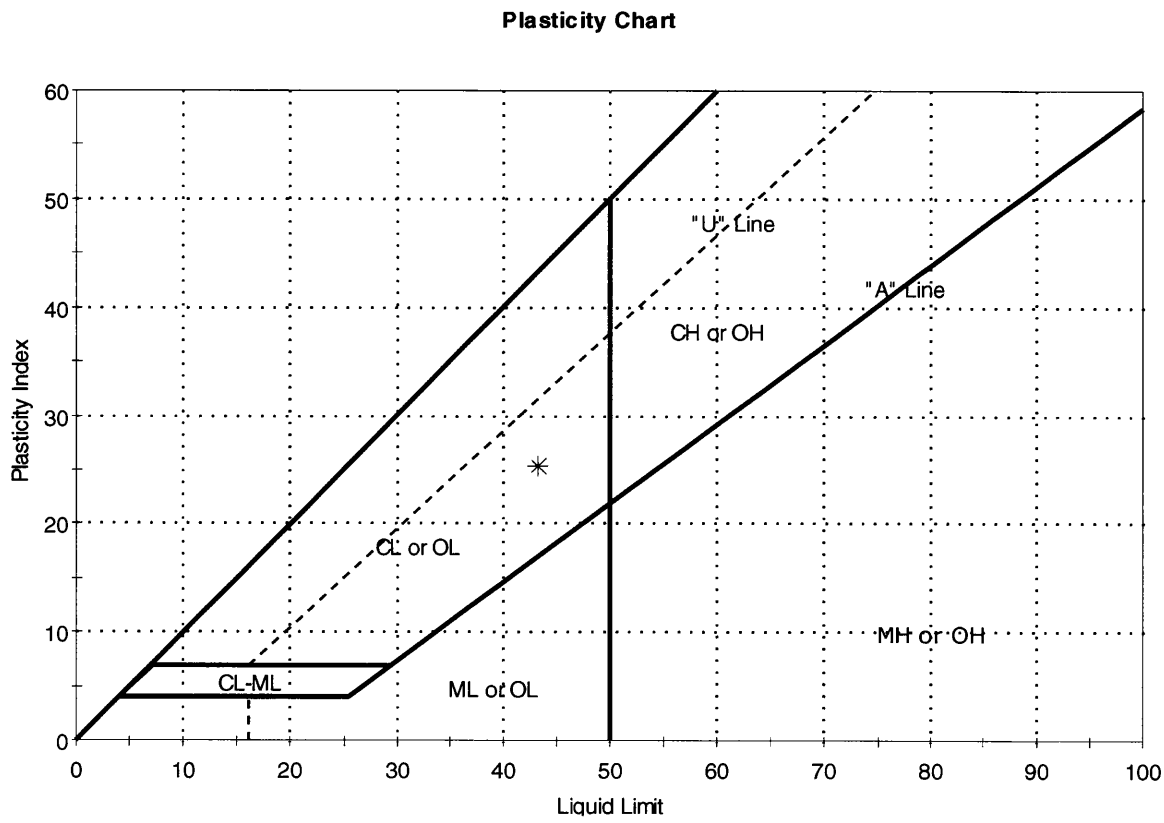
Dilentancy: SLOW

Toughness: LOW

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-10 (OW)	Sample Type: tube	Tested By:	cam
Sample ID:UD-2	Test Date: 06/11/12	Checked By:	jdt
Depth : 55-57 ft.	Test Id: 238702		
Test Comment:	---		
Sample Description:	Moist, dark olive gray clay		
Sample Comment:	---		

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
✳	UD-2	B-10 (OW)	55-57 ft.	36	43	18	25	1	

Sample Prepared using the WET method

Dry Strength: HIGH

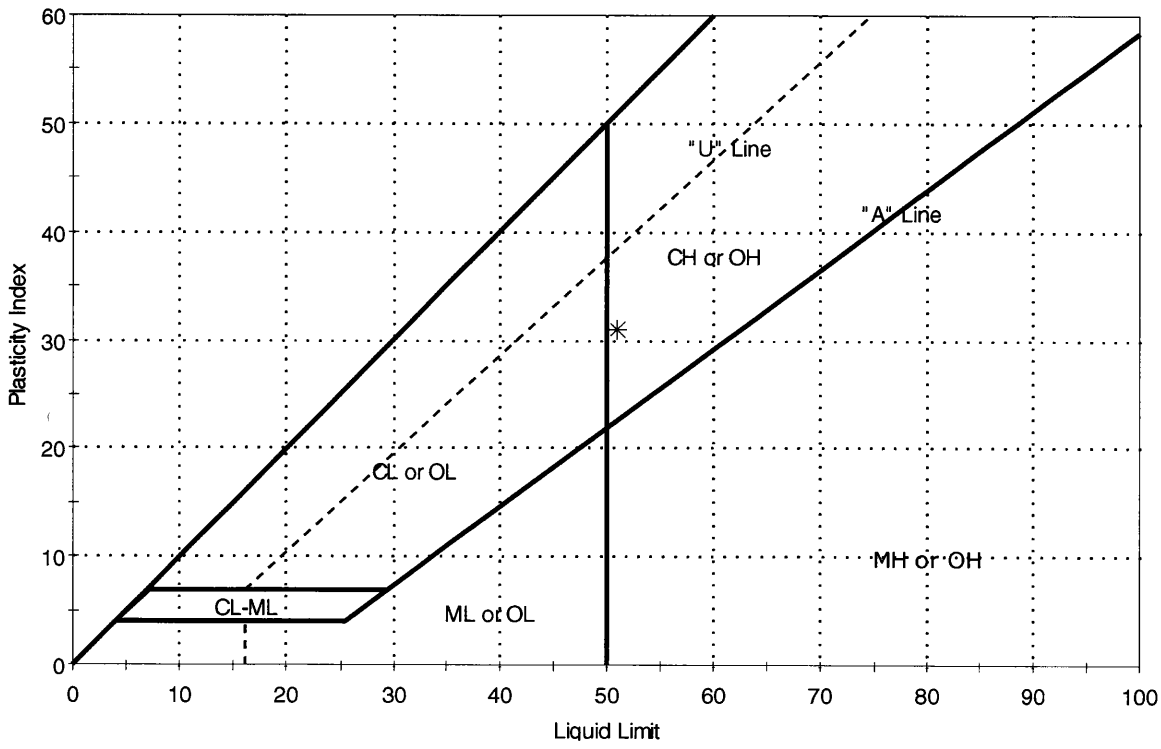
Dilentancy: SLOW

Toughness: LOW

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-10 (OW)	Sample Type: tube	Tested By:	cam
Sample ID:UD-3	Test Date: 06/11/12	Checked By:	jdt
Depth : 65-67 ft.	Test Id: 238703		
Test Comment:	---		
Sample Description:	Moist, dark grayish brown clay		
Sample Comment:	---		

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
*	UD-3	B-10 (OW)	65-67 ft.	50	51	20	31	1	

Sample Prepared using the WET method

Dry Strength: VERY HIGH

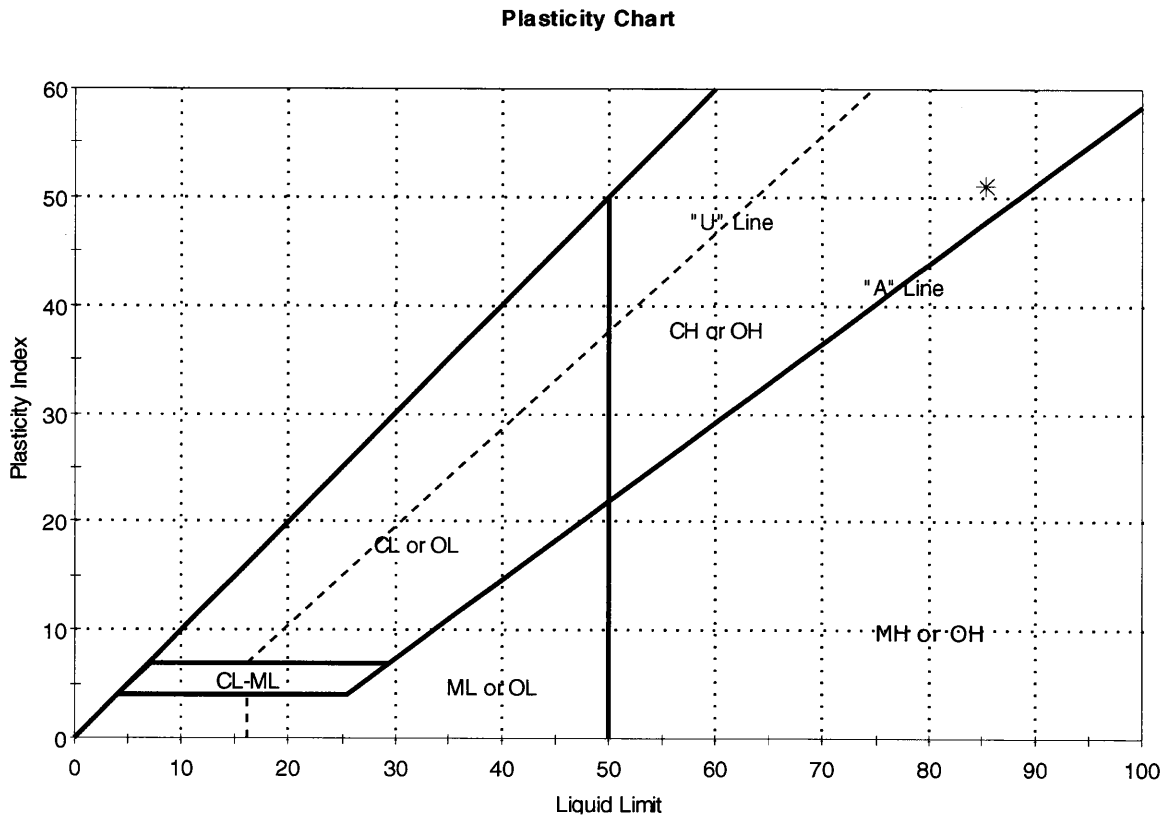
Dilentancy: SLOW

Toughness: LOW

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-11	Sample Type: tube	Tested By:	cam
Sample ID:UD-1	Test Date: 06/11/12	Checked By:	jdt
Depth : 27-29 ft.	Test Id: 238704		
Test Comment:	---		
Sample Description:	Moist, very dark grayish brown clay		
Sample Comment:	---		

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
✳	UD-1	B-11	27-29 ft.	67	86	34	52	1	

Sample Prepared using the WET method

Dry Strength: VERY HIGH

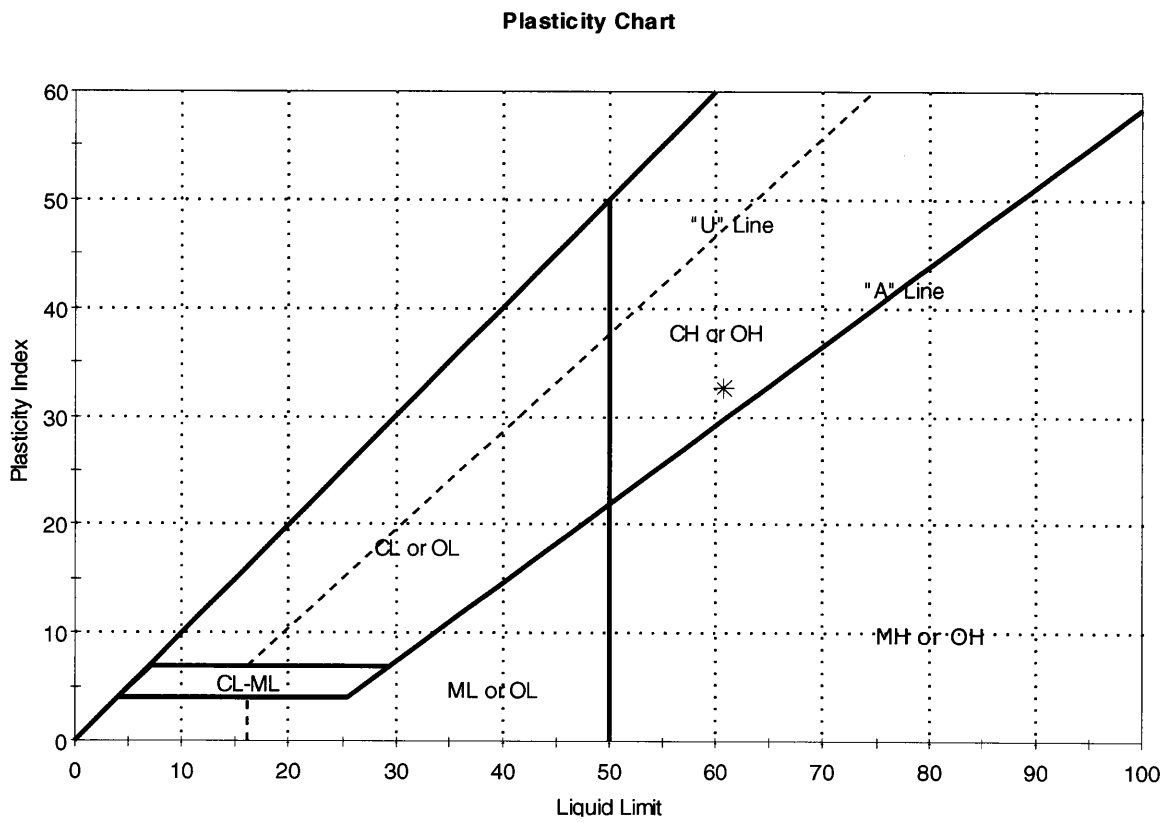
Dilentancy: SLOW

Toughness: LOW

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-11	Sample Type: tube	Tested By:	cam
Sample ID:UD-2	Test Date: 06/11/12	Checked By:	jdt
Depth : 35-37 ft.	Test Id: 238705		
Test Comment:	---		
Sample Description:	Moist, very dark gray clay		
Sample Comment:	---		

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
✳	UD-2	B-11	35-37 ft.	52	61	28	33	1	

Sample Prepared using the WET method

Dry Strength: VERY HIGH

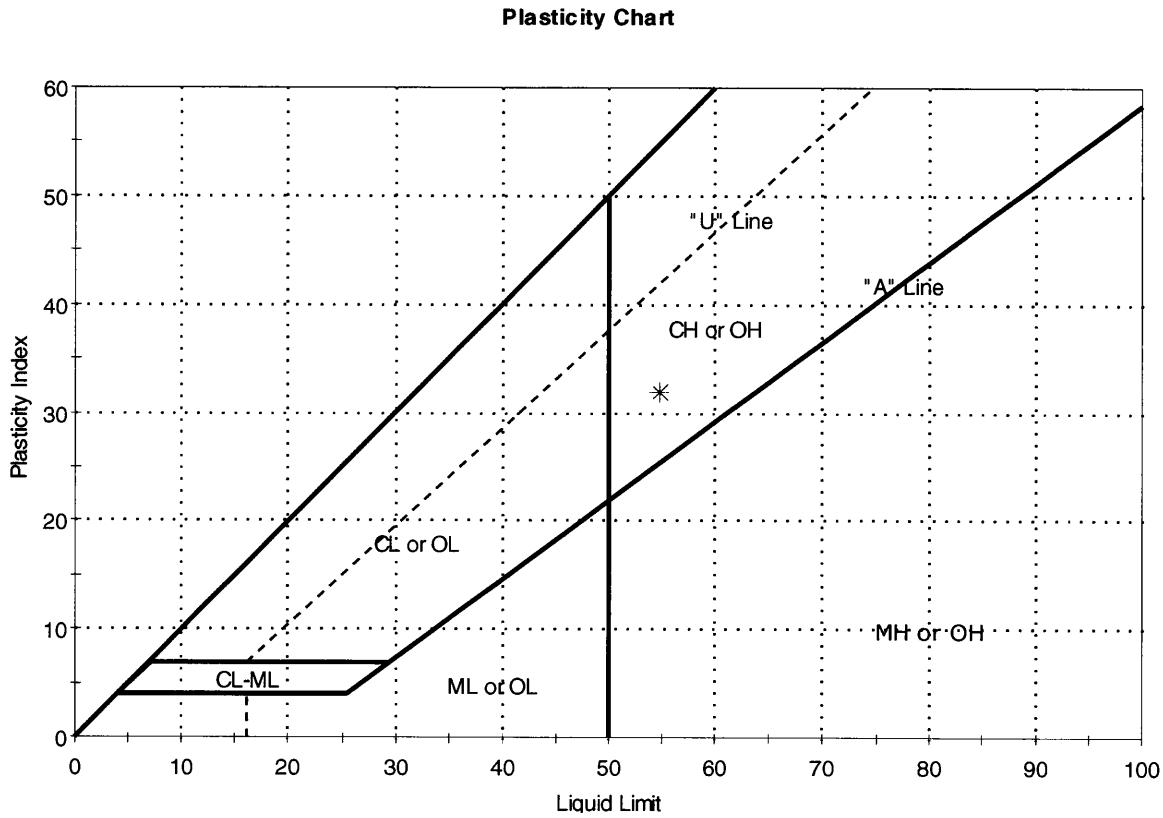
Dilentancy: SLOW

Toughness: LOW

GeoTesting EXPRESS

Client:	Langan Engineering		
Project:	551 W. 21st Street		
Location:	Manhattan, NY	Project No:	GTX-11889
Boring ID: B-11	Sample Type: tube	Tested By:	cam
Sample ID:UD-3	Test Date: 06/11/12	Checked By:	jdt
Depth : 40-42 ft.	Test Id: 238706		
Test Comment:	---		
Sample Description:	Moist, gray clay		
Sample Comment:	---		

Atterberg Limits - ASTM D 4318-05



Symbol	Sample ID	Boring	Depth	Natural Moisture Content,%	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity Index	Soil Classification
✳	UD-3	B-11	40-42 ft.	51	55	23	32	1	

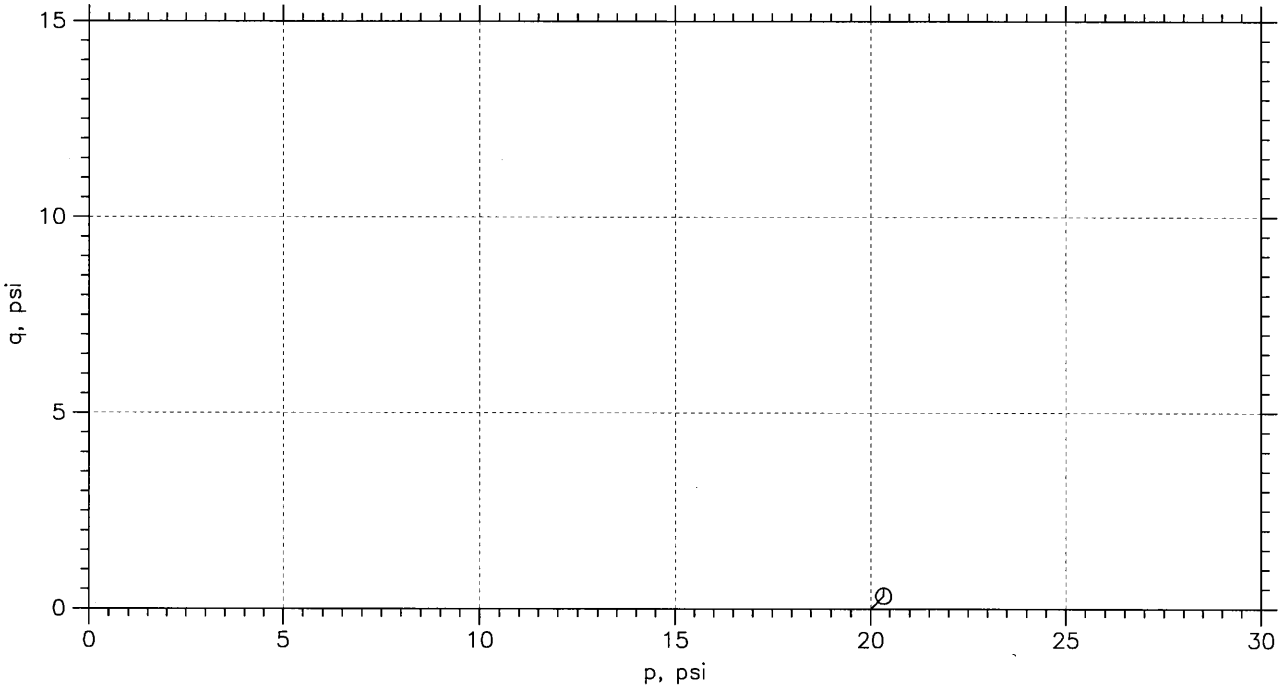
Sample Prepared using the WET method

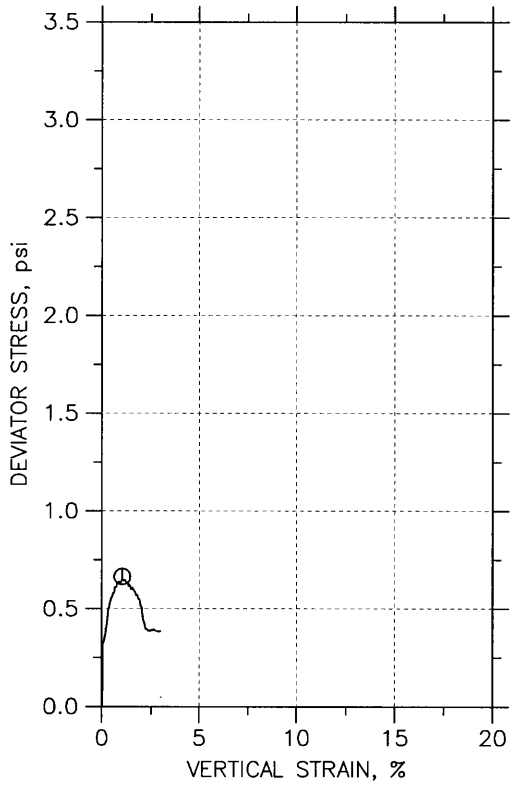
Dry Strength: HIGH

Dilentancy: SLOW

Toughness: LOW

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850





Symbol	⦶			
Sample No.	UD-3			
Test No.	UU-2			
Depth	65-67 ft			
Tested by	md			
Test Date	6/12/12			
Checked by	jdt			
Check Date	06/19/12			
Diameter, in	2.88			
Height, in	6.15			
Water Content, %	54.6			
Dry Density, pcf	62.96			
Saturation, %	87.0			
Void Ratio	1.73			
Confining Stress, psi	20			
Undrained Strength, psi	0.3331			
Max. Dev. Stress, psi	0.6663			
Strain at Failure, %	1.03			
Strain Rate, %/min	1			
Estimated Specific Gravity	2.75			
Liquid Limit	51			
Plastic Limit	20			
Plasticity Index	31			

GeoTesting EXPRESS

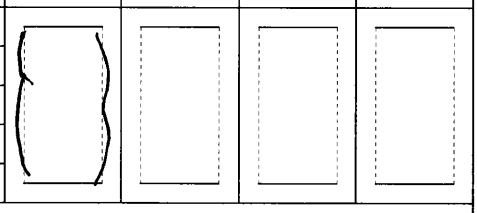
Project: 551 W. 21st Street

Location: Manhatten, NY

Project No.: GTX-11889

Boring No.: B-10 (OW)

Sample Type: intact



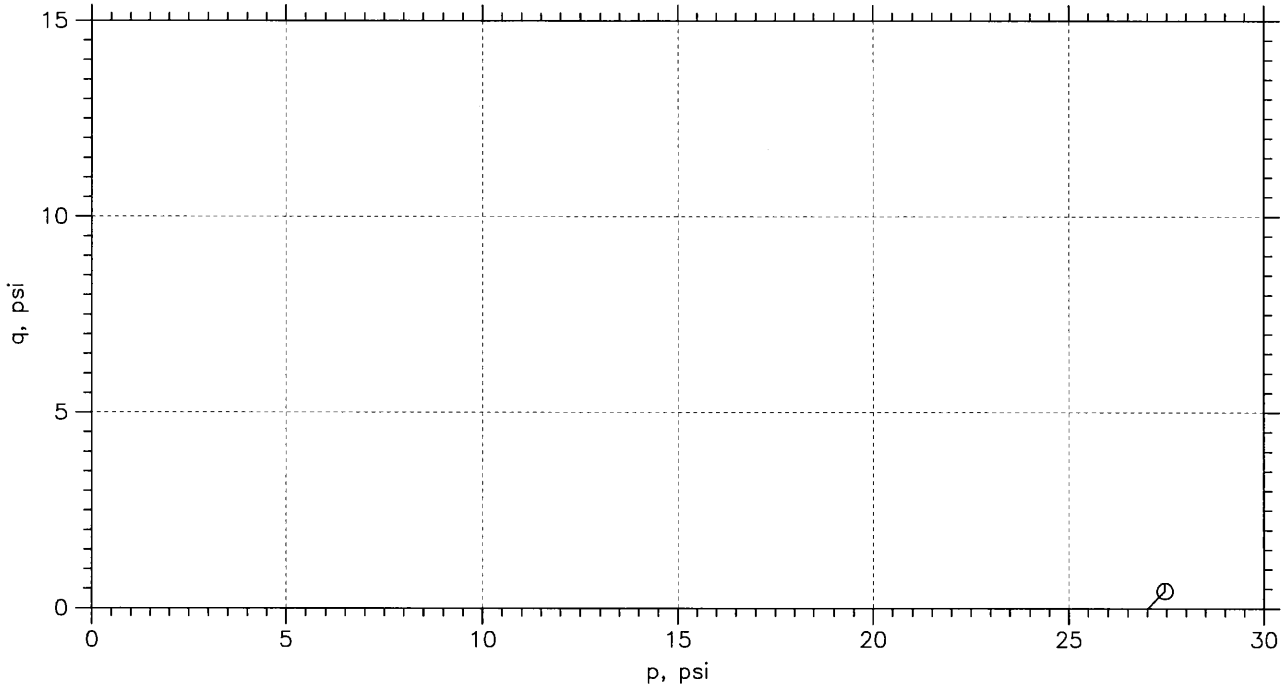
Description: Moist, dark grayish brown clay

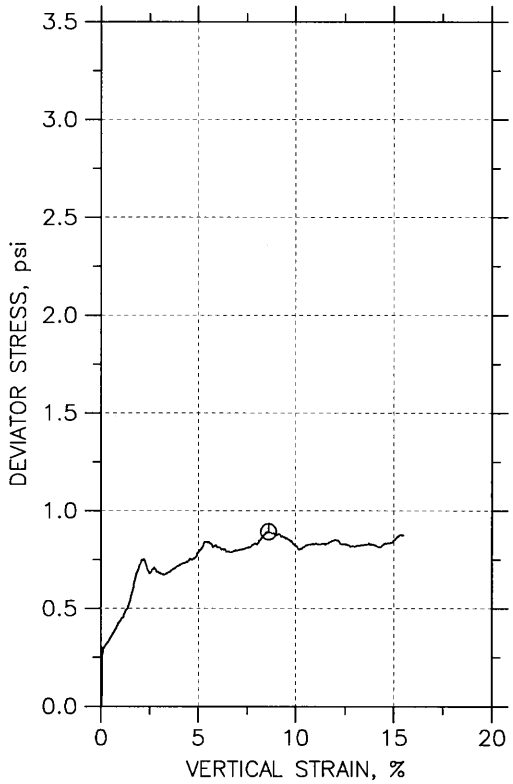
Remarks: System W

Phase calculations based on start and end of test.

Tue, 19-JUN-2012 09:52:13

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850





Symbol	⦶			
Sample No.	UD-3			
Test No.	UU-1			
Depth	65-67 ft			
Tested by	md			
Test Date	6/12/12			
Checked by	jdt			
Check Date	06/19/12			
Diameter, in	2.87			
Height, in	6.1			
Water Content, %	45.4			
Dry Density, pcf	76.36			
Saturation, %	100.0			
Void Ratio	1.25			
Confining Stress, psi	27			
Undrained Strength, psi	0.4472			
Max. Dev. Stress, psi	0.8944			
Strain at Failure, %	8.58			
Strain Rate, %/min	1			
Estimated Specific Gravity	2.75			
Liquid Limit	51			
Plastic Limit	20			
Plasticity Index	31			

GeoTesting EXPRESS

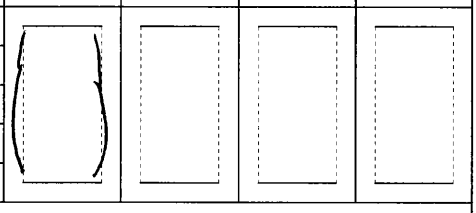
Project: 551 W. 21st Street

Location: Manhatten, NY

Project No.: GTX-11889

Boring No.: B-10 (OW)

Sample Type: intact



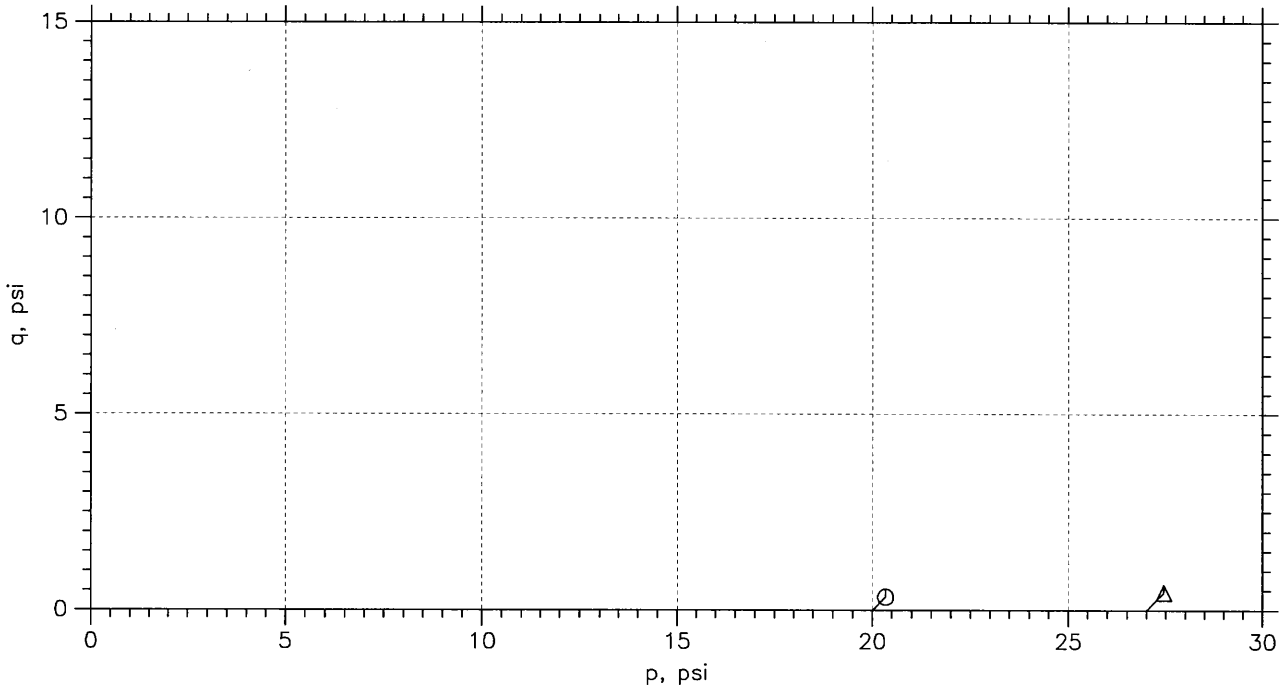
Description: Moist, dark grayish brown clay

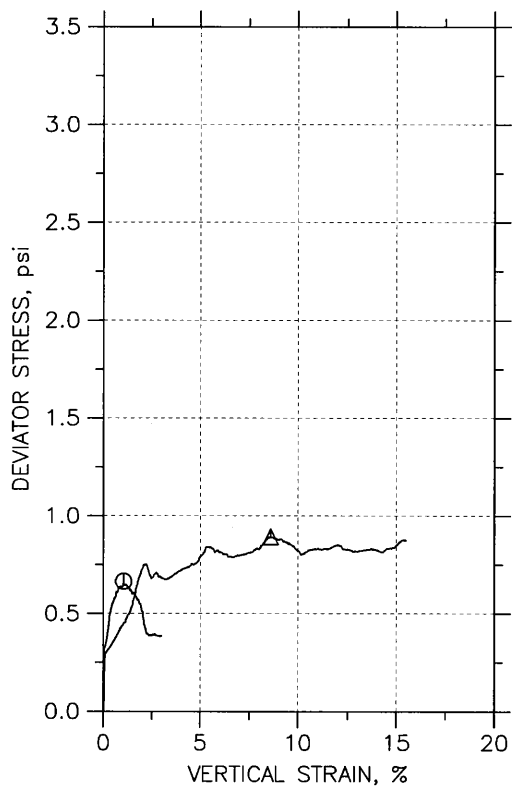
Remarks: System W

Phase calculations based on start and end of test.

Tue, 19-JUN-2012 09:51:44

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850

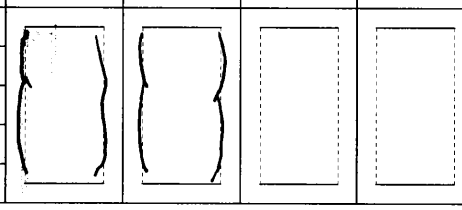




Symbol	⦶	△		
Sample No.	UD-3	UD-3		
Test No.	UU-2	UU-1		
Depth	65-67 ft	65-67 ft		
Tested by	md	md		
Test Date	6/12/12	6/12/12		
Checked by	jdt	jdt		
Check Date	06/19/12	06/19/12		
Diameter, in	2.88	2.87		
Height, in	6.15	6.1		
Water Content, %	54.6	45.4		
Dry Density, pcf	62.96	76.36		
Saturation, %	87.0	100.0		
Void Ratio	1.73	1.25		
Confining Stress, psi	20	27		
Undrained Strength, psi	0.3331	0.4472		
Max. Dev. Stress, psi	0.6663	0.8944		
Strain at Failure, %	1.03	8.58		
Strain Rate, %/min	1	1		
Estimated Specific Gravity	2.75	2.75		
Liquid Limit	51	51		
Plastic Limit	20	20		
Plasticity Index	31	31		

GeoTesting EXPRESS

Project: 551 W. 21st Street
Location: Manhatten, NY
Project No.: GTX-11889
Boring No.: B-10 (OW)
Sample Type: intact

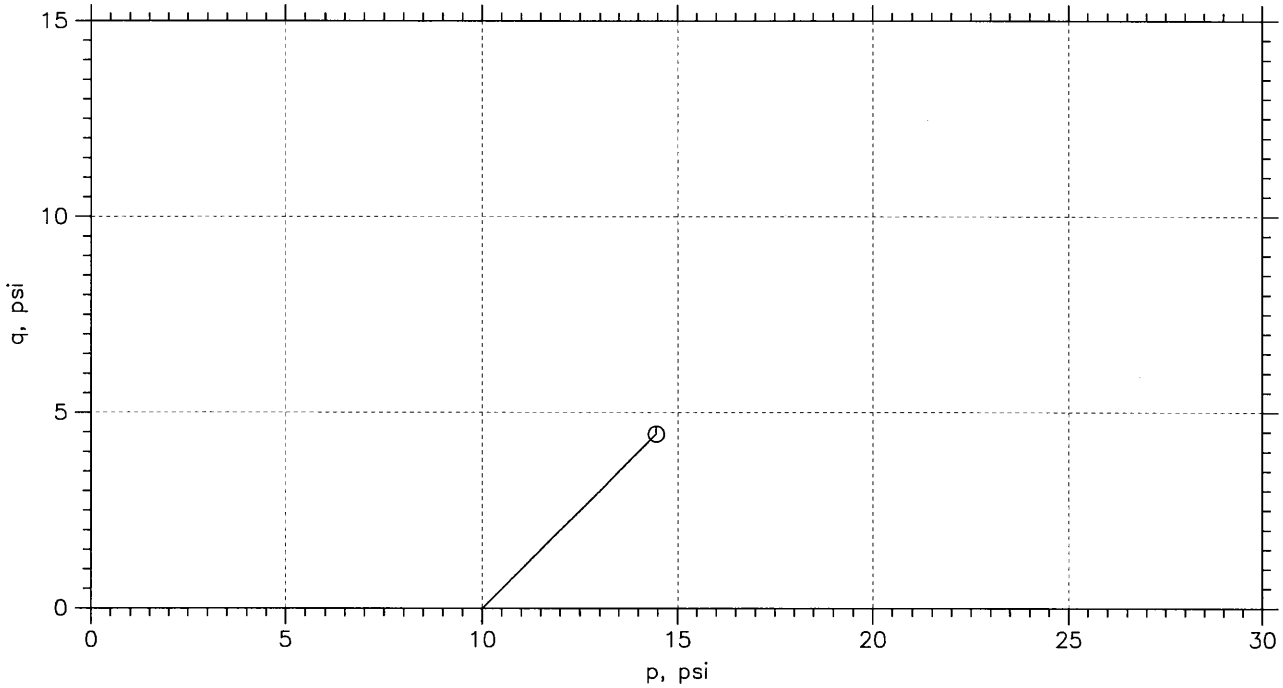


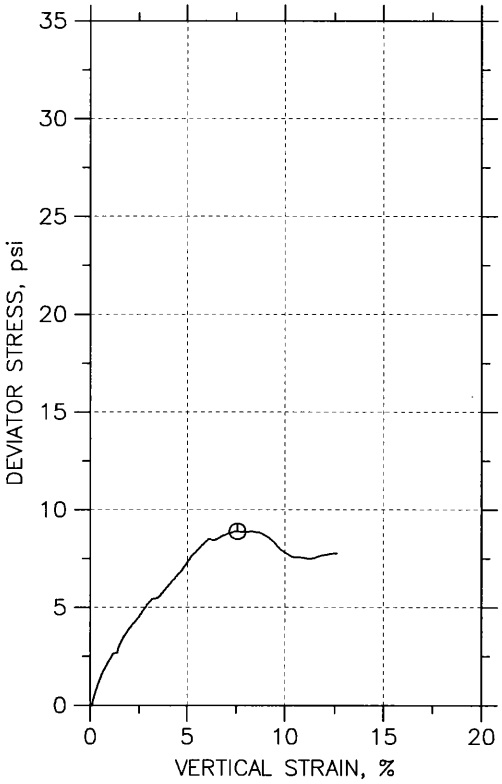
Description: Moist, dark grayish brown clay
Remarks: System W

Phase calculations based on start and end of test.

Tue, 19-JUN-2012 09:52:51

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850





Symbol	⦶			
Sample No.	UD-2			
Test No.	UU-4			
Depth	35-37 ft			
Tested by	md			
Test Date	6/12/12			
Checked by	jdt			
Check Date	06/19/12			
Diameter, in	2.87			
Height, in	6.08			
Water Content, %	43.8			
Dry Density, pcf	77.67			
Saturation, %	99.5			
Void Ratio	1.21			
Confining Stress, psi	10			
Undrained Strength, psi	4.451			
Max. Dev. Stress, psi	8.903			
Strain at Failure, %	7.55			
Strain Rate, %/min	1			
Estimated Specific Gravity	2.75			
Liquid Limit	61			
Plastic Limit	28			
Plasticity Index	33			

GeoTesting EXPRESS

Project: 551 W. 21st Street

Location: Manhatten, NY

Project No.: GTX-11889

Boring No.: B-11

Sample Type: intact

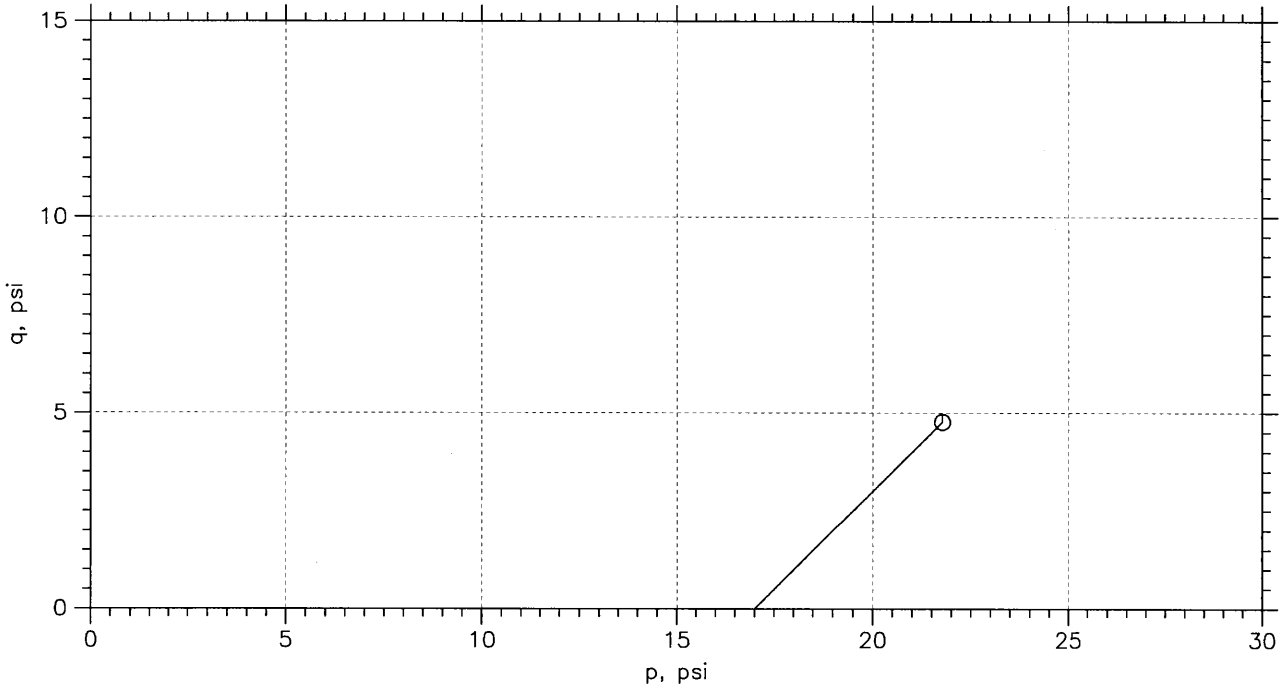
Description: Moist, very dark gray clay

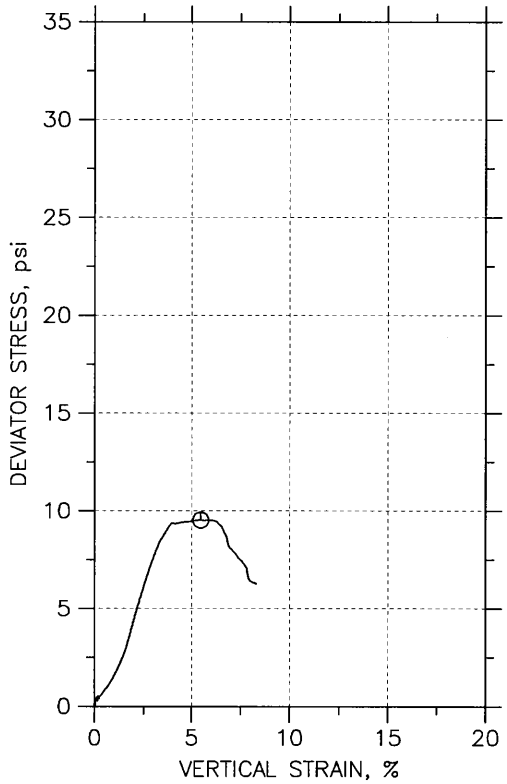
Remarks: System W

Phase calculations based on start and end of test.

Tue, 19-JUN-2012 10:08:11

UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850





Symbol	⦶			
Sample No.	UD-2			
Test No.	UU-3			
Depth	35-37 ft			
Tested by	md			
Test Date	6/12/12			
Checked by	jdt			
Check Date	06/19/12			
Diameter, in	2.87			
Height, in	6.11			
Water Content, %	52.3			
Dry Density, pcf	68.48			
Saturation, %	95.4			
Void Ratio	1.51			
Confining Stress, psi	17			
Undrained Strength, psi	4.771			
Max. Dev. Stress, psi	9.541			
Strain at Failure, %	5.45			
Strain Rate, %/min	1			
Estimated Specific Gravity	2.75			
Liquid Limit	61			
Plastic Limit	28			
Plasticity Index	33			

GeoTesting EXPRESS

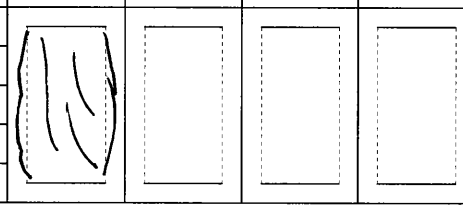
Project: 551 W. 21st Street

Location: Manhatten, NY

Project No.: GTX-11889

Boring No.: B-11

Sample Type: intact



Description: Moist, very dark gray clay

Remarks: System W

Phase calculations based on start and end of test.

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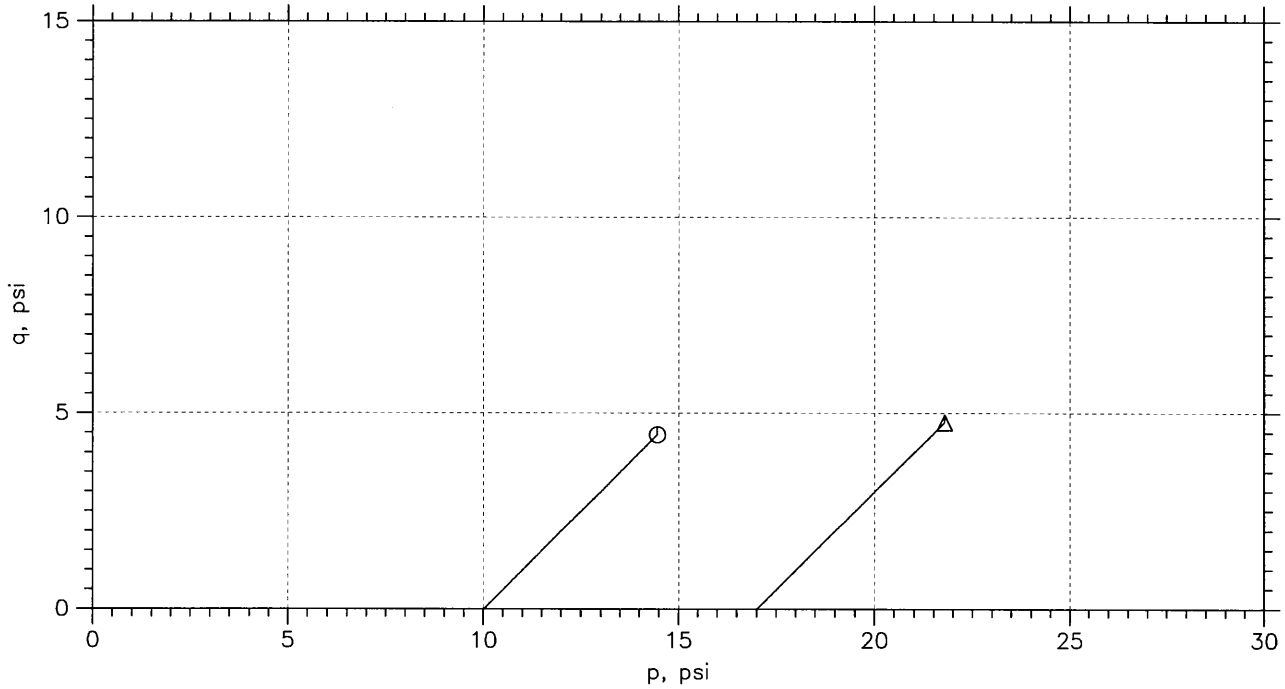
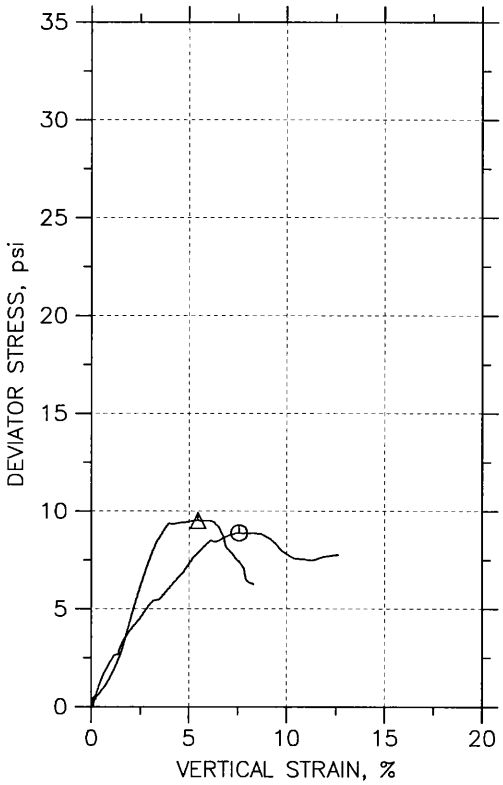
UNCONSOLIDATED UNDRAINED TRIAXIAL TEST by ASTM D2850

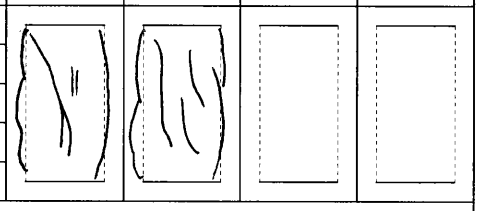




Symbol	⦶	△		
Sample No.	UD-2	UD-2		
Test No.	UU-4	UU-3		
Depth	35-37 ft	35-37 ft		
Tested by	md	md		
Test Date	6/12/12	6/12/12		
Checked by	jdt	jdt		
Check Date	06/19/12	06/19/12		
Diameter, in	2.87	2.87		
Height, in	6.08	6.11		
Water Content, %	43.8	52.3		
Dry Density, pcf	77.67	68.48		
Saturation, %	99.5	95.4		
Void Ratio	1.21	1.51		
Confining Stress, psi	10	17		
Undrained Strength, psi	4.451	4.771		
Max. Dev. Stress, psi	8.903	9.541		
Strain at Failure, %	7.55	5.45		
Strain Rate, %/min	1	1		
Estimated Specific Gravity	2.75	2.75		
Liquid Limit	61	61		
Plastic Limit	28	28		
Plasticity Index	33	33		

GeoTesting EXPRESS

Project: 551 W. 21st Street
Location: Manhatten, NY
Project No.: GTX-11889
Boring No.: B-11
Sample Type: intact



Description: Moist, very dark gray clay
Remarks: System W

Phase calculations based on start and end of test.

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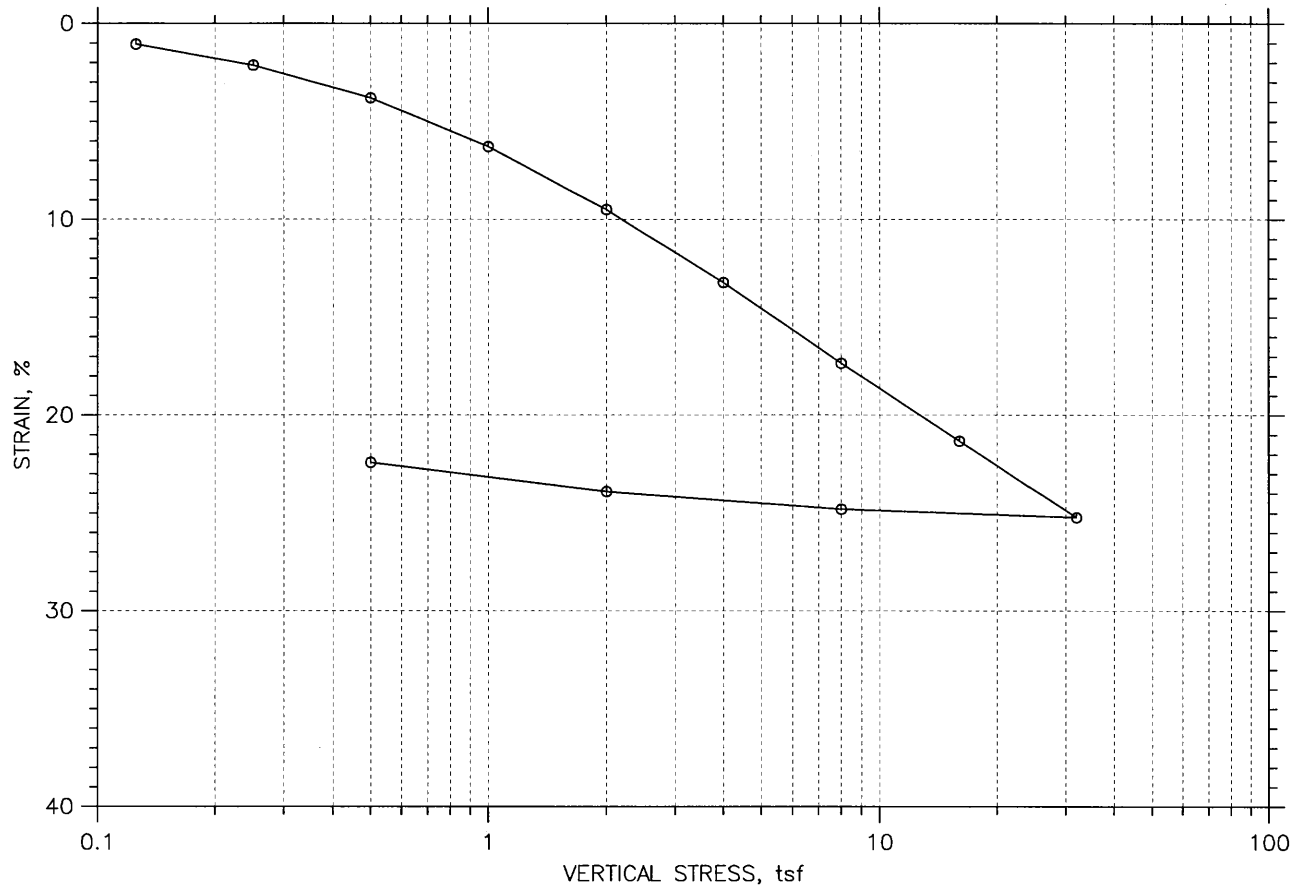
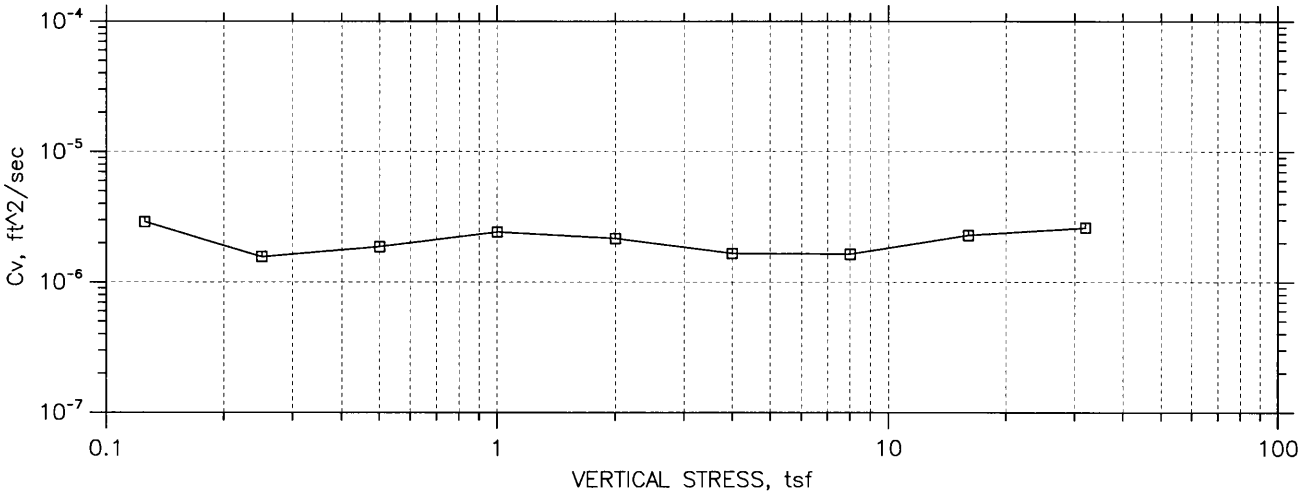
One-Dimensional Consolidation by ASTM D 2435 - Method B

SUMMARY REPORT





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		
	Displacement at End of Increment		

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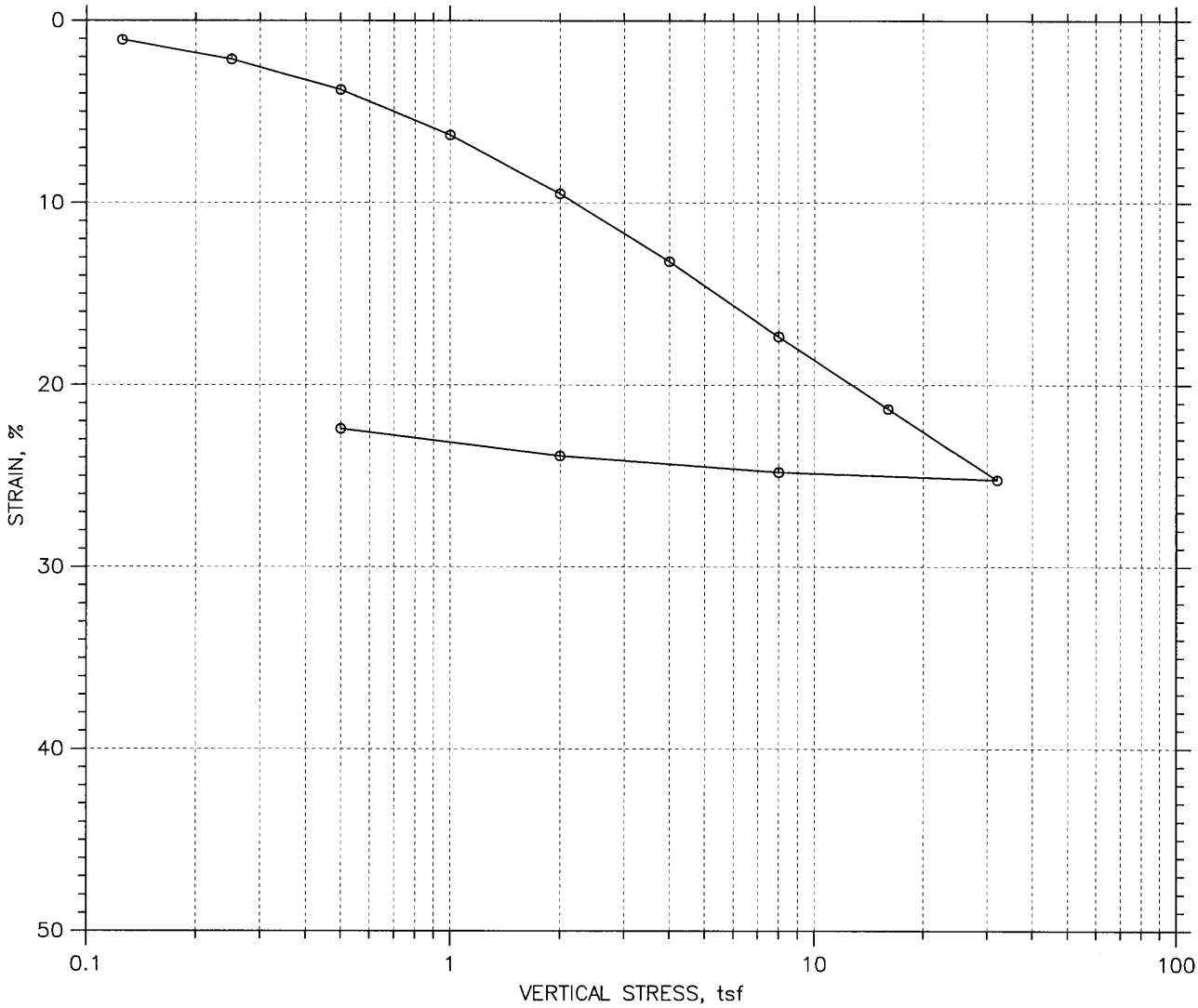
One-Dimensional Consolidation by ASTM D 2435 - Method B

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	35.53	22.30
Preconsolidation Pressure: ---				Dry Unit Weight, pcf	83.421	103.37
Compression Index: ---				Saturation, %	96.70	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	0.96	0.59
LL: 43	PL: 18	PI: 25	GS: 2.63			

GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		
	Displacement at End of Increment		

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One-Dimensional Consolidation by ASTM D 2435 - Method B

Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
Sample No.: UD-2	Test Date: 6/04/12	Depth: 55-57 ft
Test No.: IP-2	Sample Type: intact	Elevation: ---

Soil Description: Moist, dark gray clay with sand
Remarks: System O

Estimated Specific Gravity: 2.63	Liquid Limit: 43	Specimen Diameter: 2.50 in
Initial Void Ratio: 0.965	Plastic Limit: 18	Initial Height: 1.00 in
Final Void Ratio: 0.585	Plasticity Index: 25	Final Height: 0.81 in

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	9051	RING		9320
Wt. Container + Wet Soil, gm	129.88	254.74	240.52	139.38
Wt. Container + Dry Soil, gm	98.920	216.55	216.55	115.45
Wt. Container, gm	8.3100	109.06	109.06	8.1400
Wt. Dry Soil, gm	90.610	107.49	107.49	107.31
Water Content, %	34.17	35.53	22.30	22.30
Void Ratio	---	0.965	0.585	---
Degree of Saturation, %	---	96.70	100.00	---
Dry Unit Weight, pcf	---	83.421	103.37	---

Note: Specific Gravity and Void Ratios are calculated assuming the degree of saturation equals 100% at the end of the test. Therefore, values may not represent actual values for the specimen.

One-Dimensional Consolidation by ASTM D 2435 - Method B

Project: 551 W. 21st Street
Boring No.: B-10 (OW)
Sample No.: UD-2
Test No.: IP-2

Location: Manhatten, NY
Tested By: md
Test Date: 6/04/12
Sample Type: intact

Project No.: GTX-11889
Checked By: jdt
Depth: 55-57 ft
Elevation: ---

Soil Description: Moist, dark gray clay with sand
Remarks: System O
Displacement at End of Increment

	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	Sq.Rt T90 min	Cv ft^2/sec	Mv 1/tsf	k ft/day
1	0.125	0.01061	0.944	1.06	8.435	2.88e-006	8.48e-002	6.59e-004
2	0.250	0.02126	0.923	2.13	12.751	1.86e-006	8.53e-002	4.28e-004
3	0.500	0.03796	0.890	3.80	11.497	2.01e-006	6.68e-002	3.62e-004
4	1.00	0.06278	0.841	6.28	10.425	2.12e-006	4.96e-002	2.84e-004
5	2.00	0.09489	0.778	9.49	11.960	1.74e-006	3.21e-002	1.51e-004
6	4.00	0.1322	0.705	13.2	13.923	1.38e-006	1.86e-002	6.96e-005
7	8.00	0.1734	0.624	17.3	11.459	1.54e-006	1.03e-002	4.27e-005
8	16.0	0.2132	0.546	21.3	7.786	2.05e-006	4.97e-003	2.75e-005
9	32.0	0.2522	0.469	25.2	5.954	2.43e-006	2.44e-003	1.59e-005
10	8.00	0.2479	0.478	24.8	1.651	8.36e-006	1.77e-004	3.98e-006
11	2.00	0.2389	0.495	23.9	9.831	1.43e-006	1.50e-003	5.78e-006
12	0.500	0.2240	0.524	22.4	29.742	4.87e-007	9.92e-003	1.30e-005

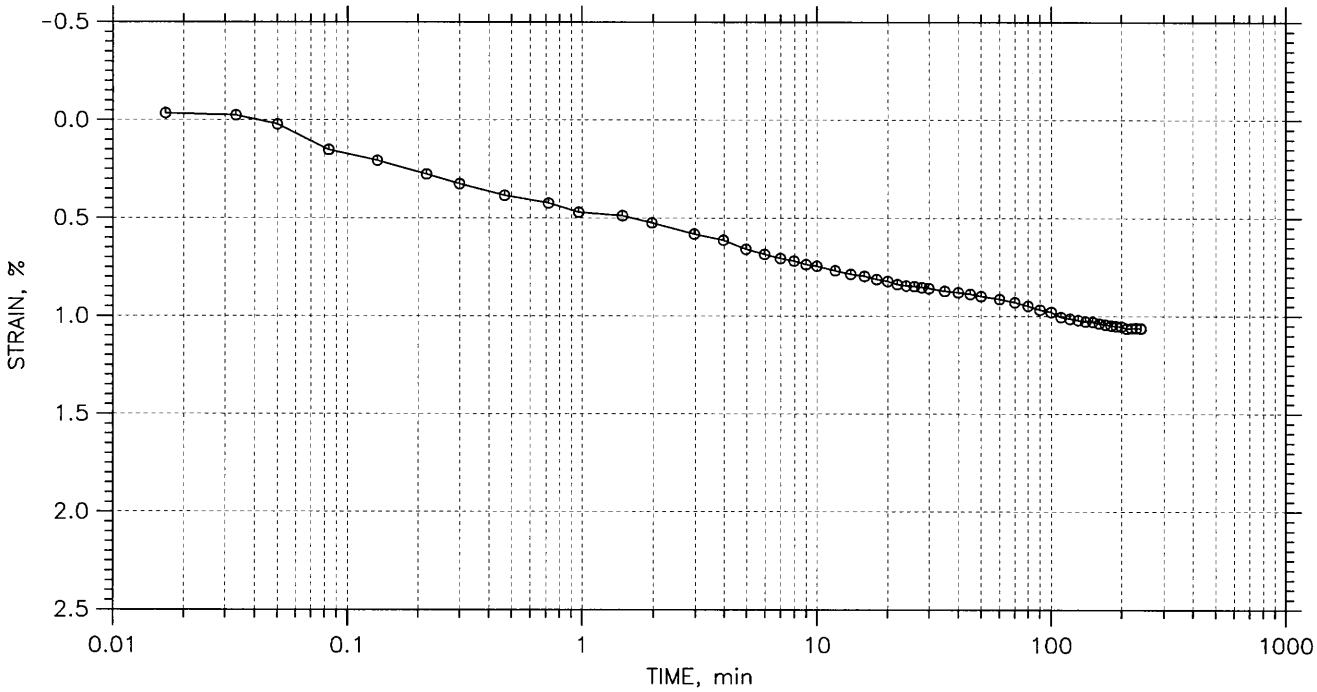
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	Log T50 min	Cv ft^2/sec	Mv 1/tsf	k ft/day	Ca %
1	0.125	0.01061	0.944	1.06	0.000	0.00e+000	8.48e-002	0.00e+000	0.00e+000
2	0.250	0.02126	0.923	2.13	3.618	1.53e-006	8.53e-002	3.51e-004	0.00e+000
3	0.500	0.03796	0.890	3.80	2.714	1.98e-006	6.68e-002	3.56e-004	0.00e+000
4	1.00	0.06278	0.841	6.28	1.672	3.07e-006	4.96e-002	4.12e-004	0.00e+000
5	2.00	0.09489	0.778	9.49	1.964	2.46e-006	3.21e-002	2.13e-004	0.00e+000
6	4.00	0.1322	0.705	13.2	2.650	1.69e-006	1.86e-002	8.50e-005	0.00e+000
7	8.00	0.1734	0.624	17.3	2.336	1.75e-006	1.03e-002	4.87e-005	0.00e+000
8	16.0	0.2132	0.546	21.3	1.614	2.30e-006	4.97e-003	3.08e-005	0.00e+000
9	32.0	0.2522	0.469	25.2	1.211	2.77e-006	2.44e-003	1.82e-005	0.00e+000
10	8.00	0.2479	0.478	24.8	0.254	1.26e-005	1.77e-004	6.00e-006	0.00e+000
11	2.00	0.2389	0.495	23.9	0.000	0.00e+000	1.50e-003	0.00e+000	0.00e+000
12	0.500	0.2240	0.524	22.4	6.761	4.98e-007	9.92e-003	1.33e-005	0.00e+000

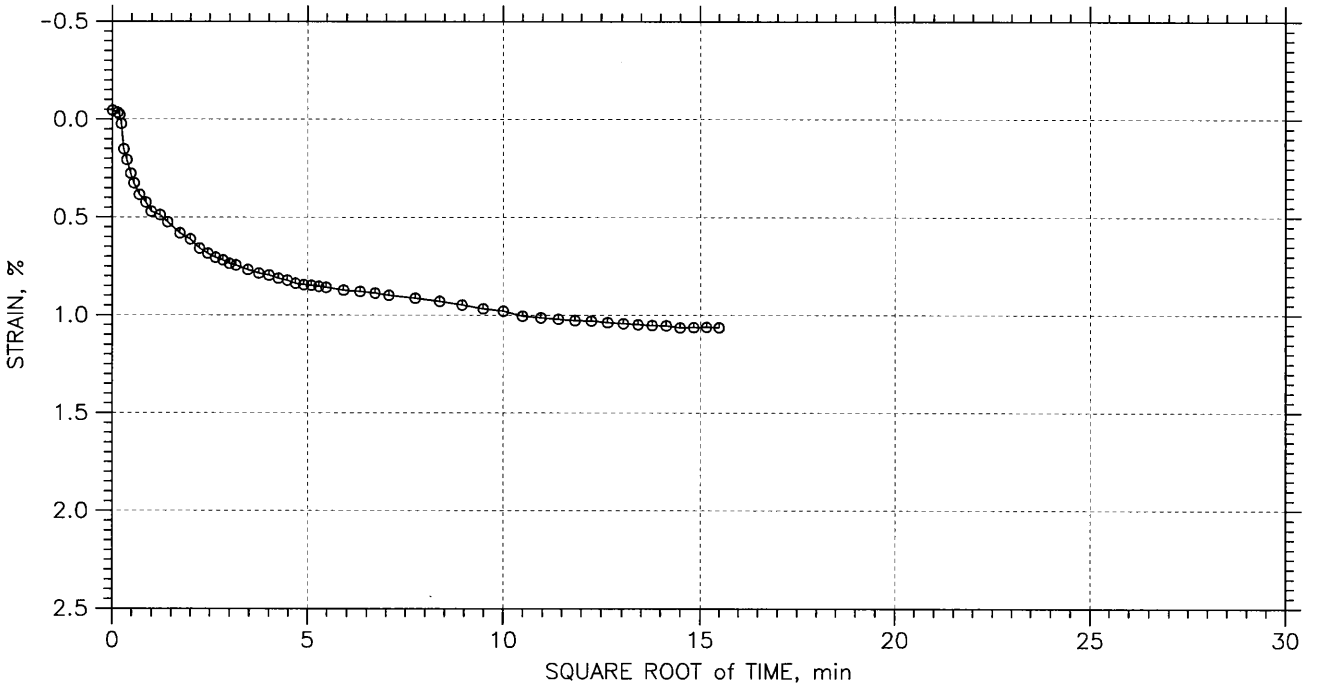
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Volume Step 1 of 12

Stress: 0.125 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System 0		

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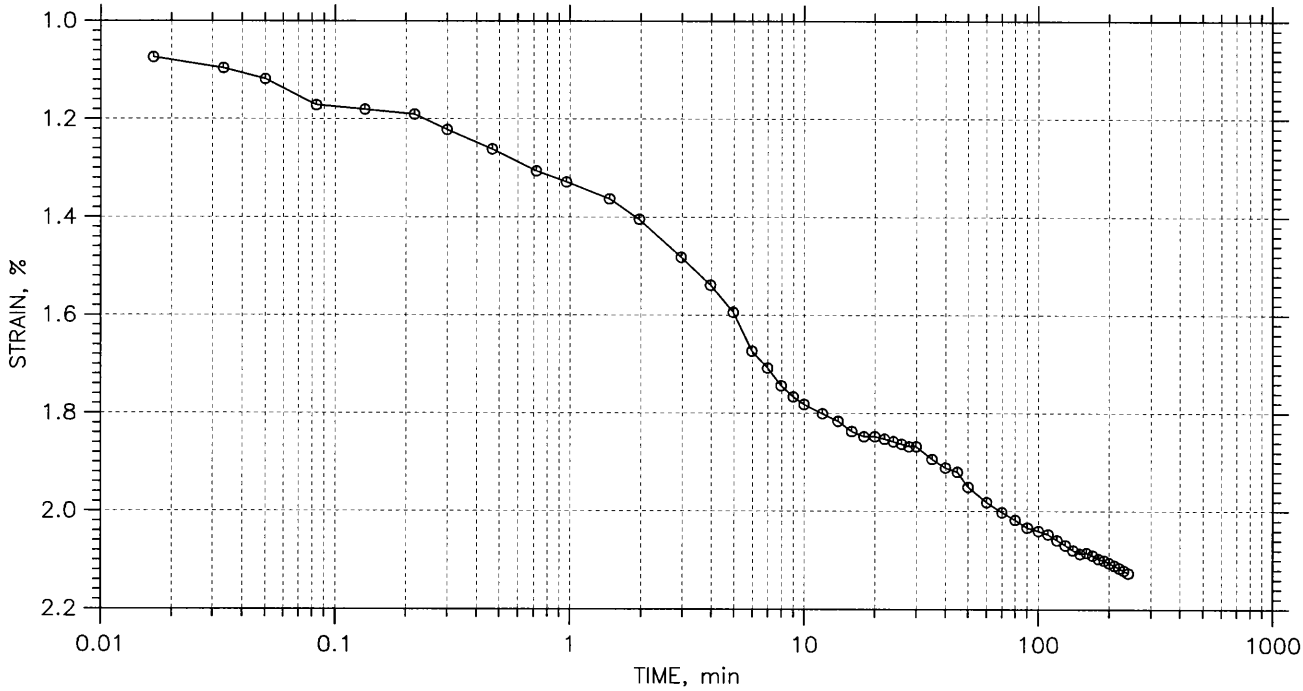
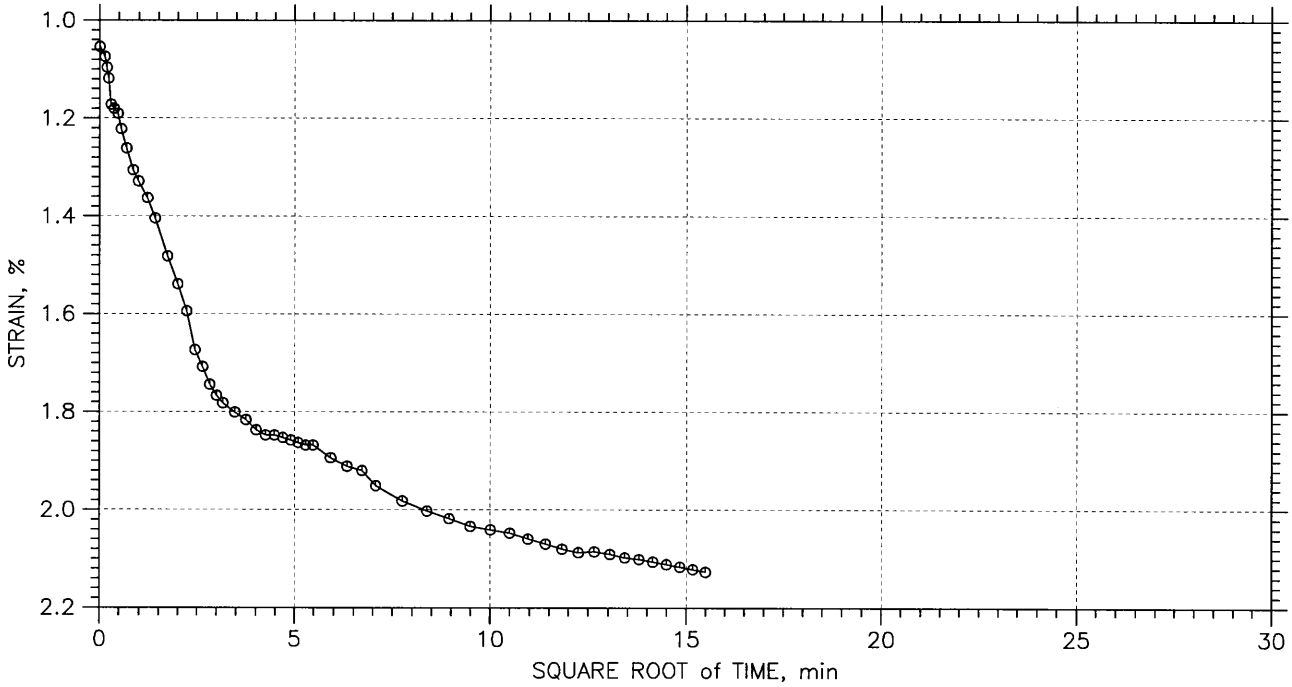
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 2 of 12

Stress: 0.25 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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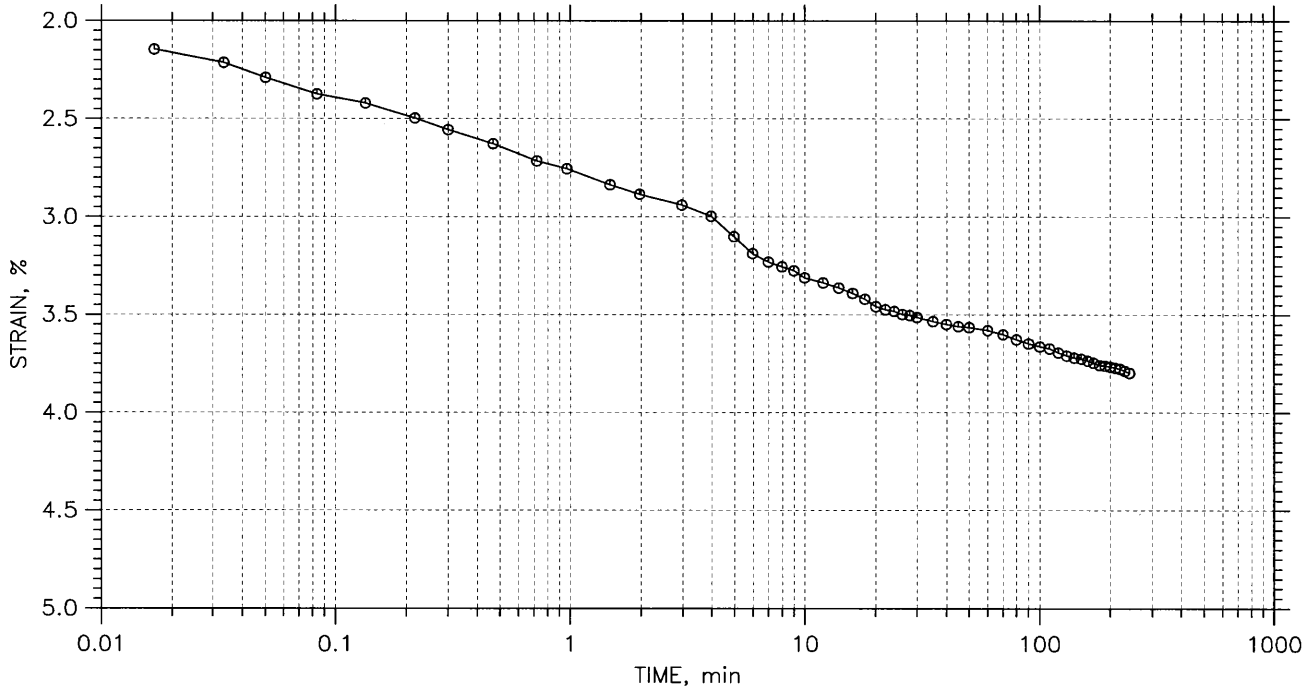
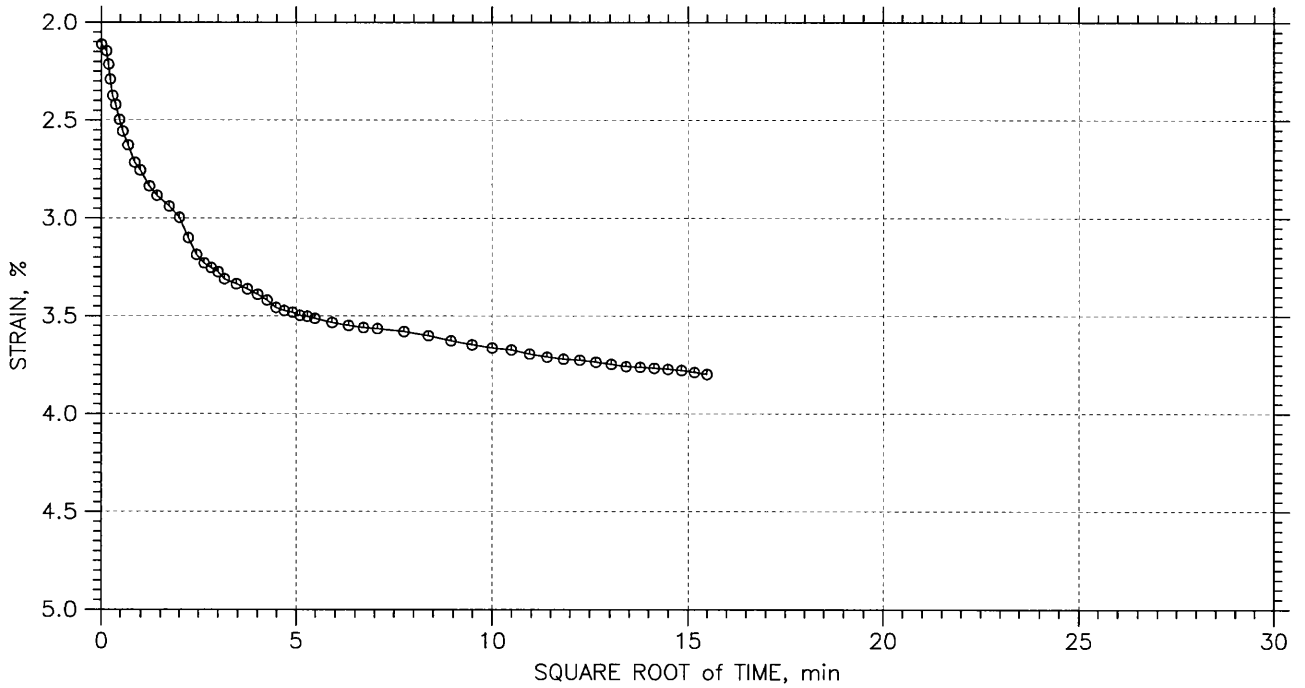
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 3 of 12

Stress: 0.5 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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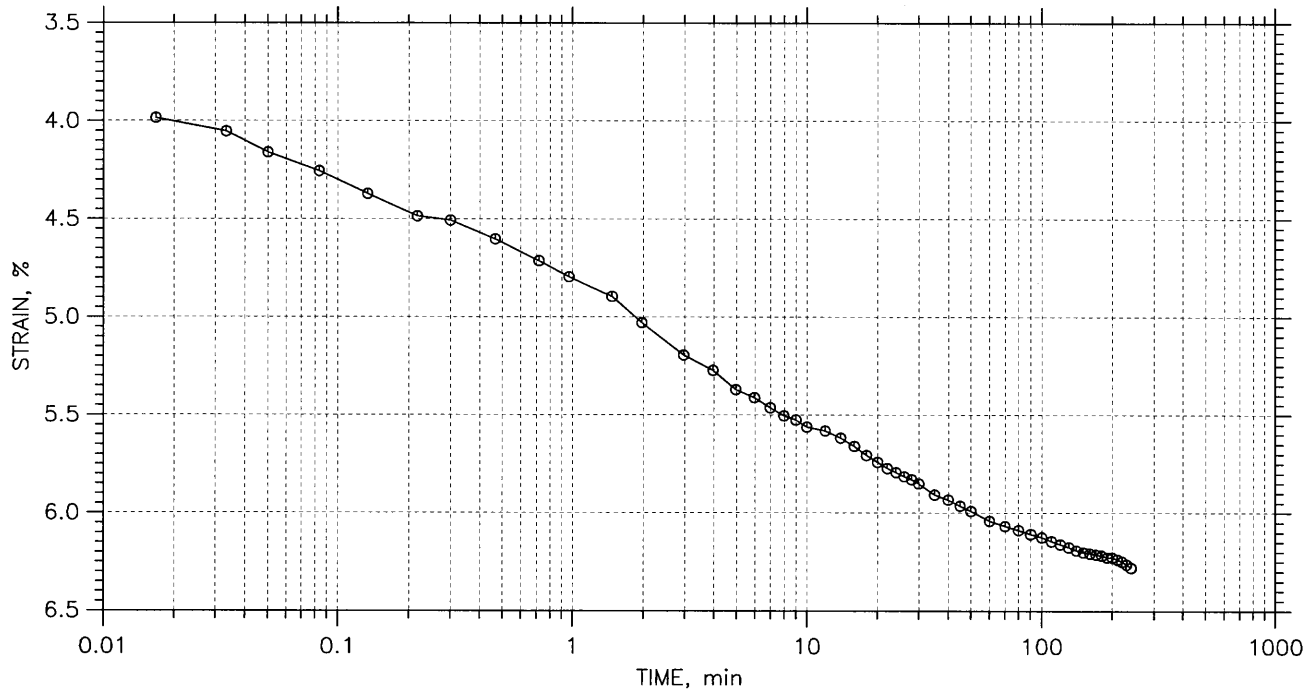
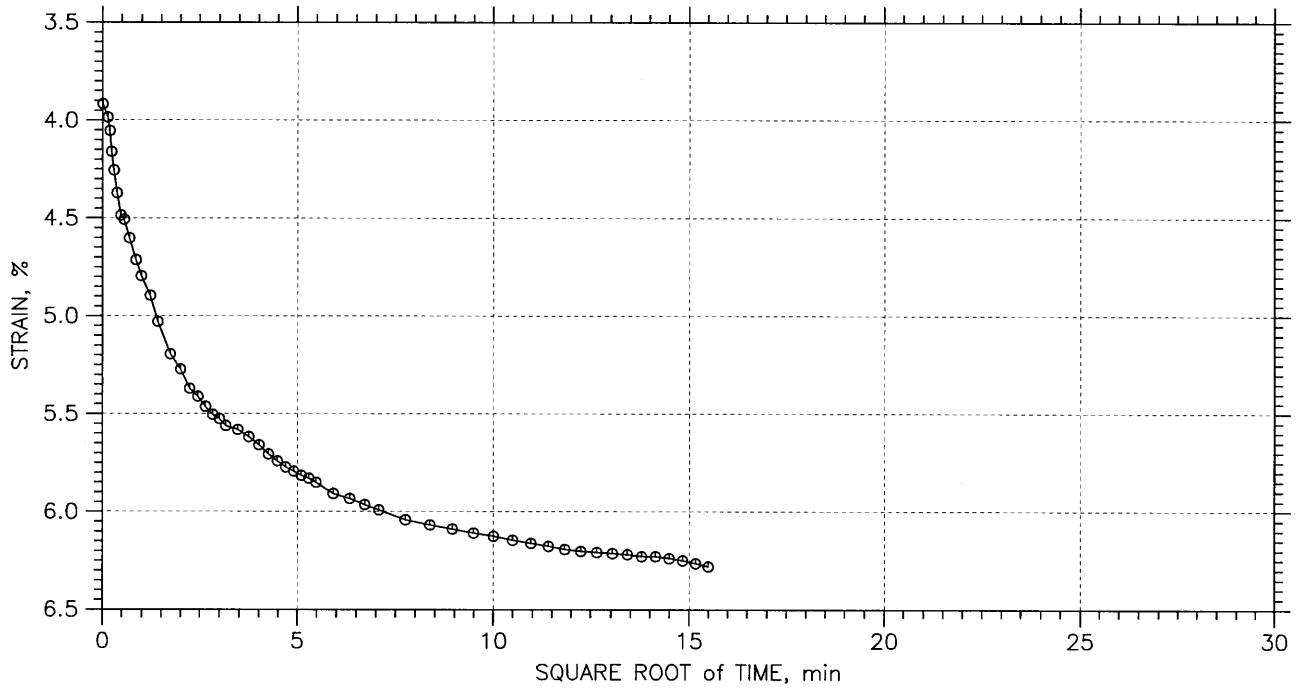
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 4 of 12

Stress: 1 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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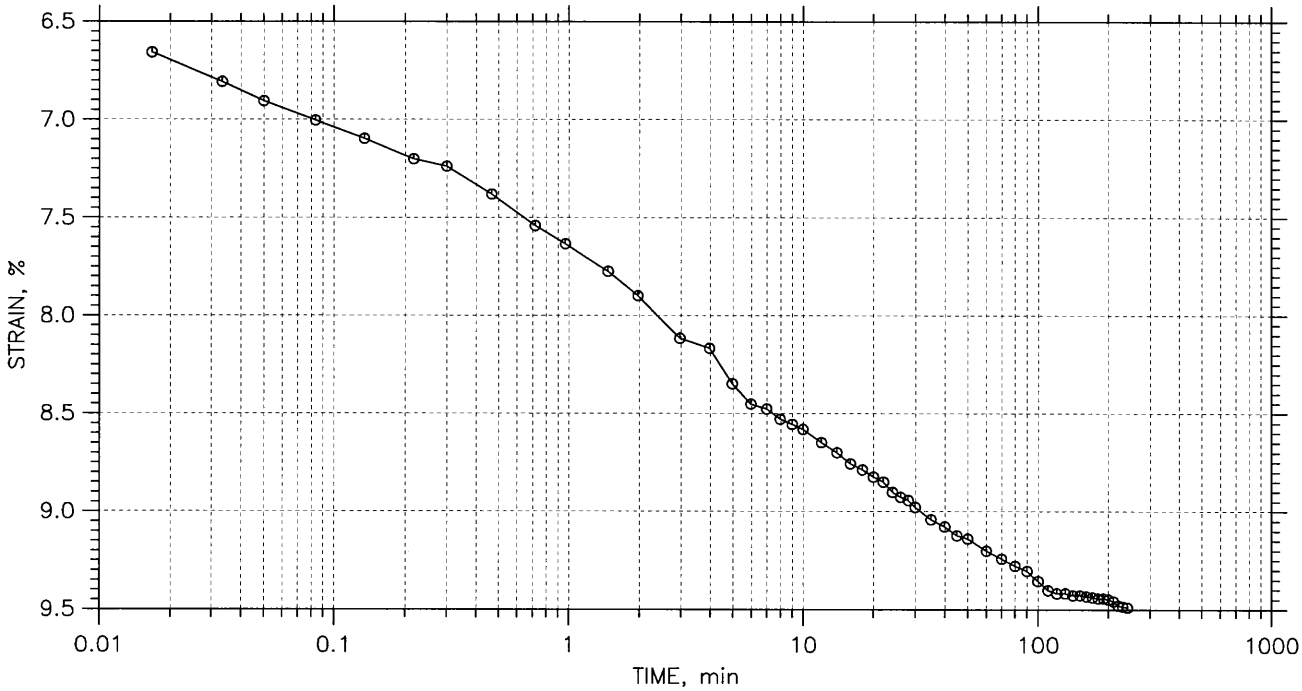
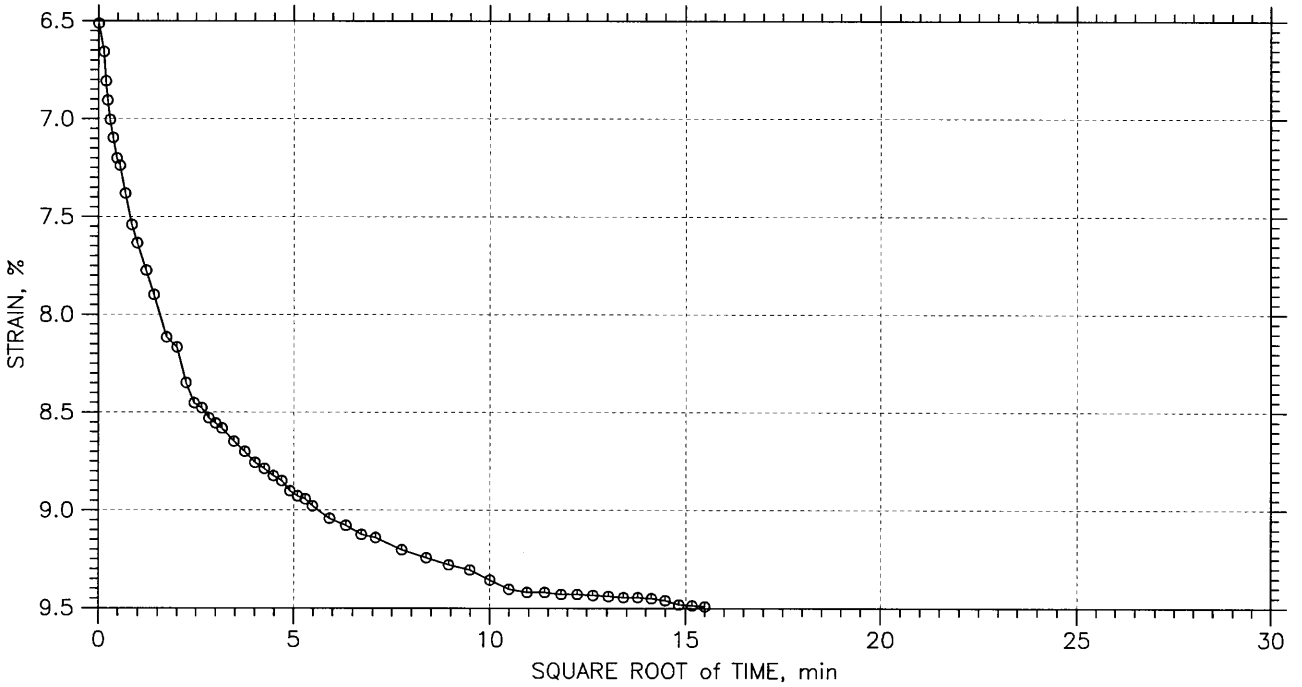
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 5 of 12

Stress: 2 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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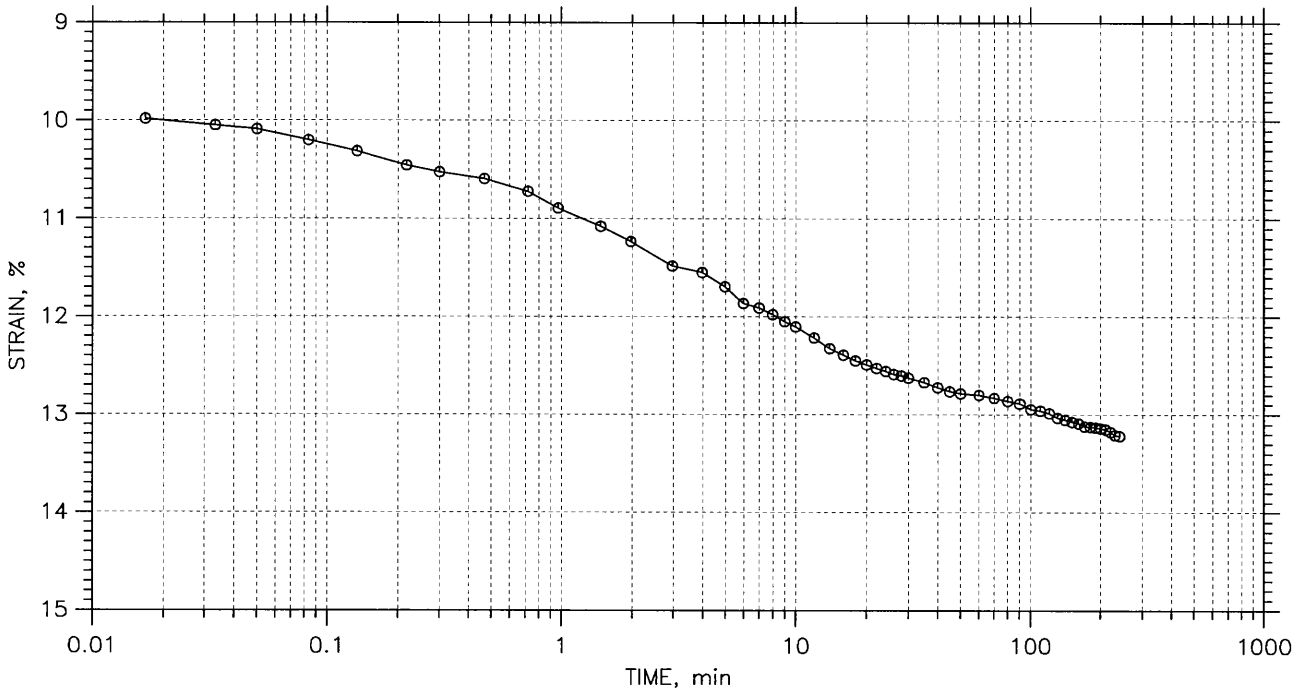
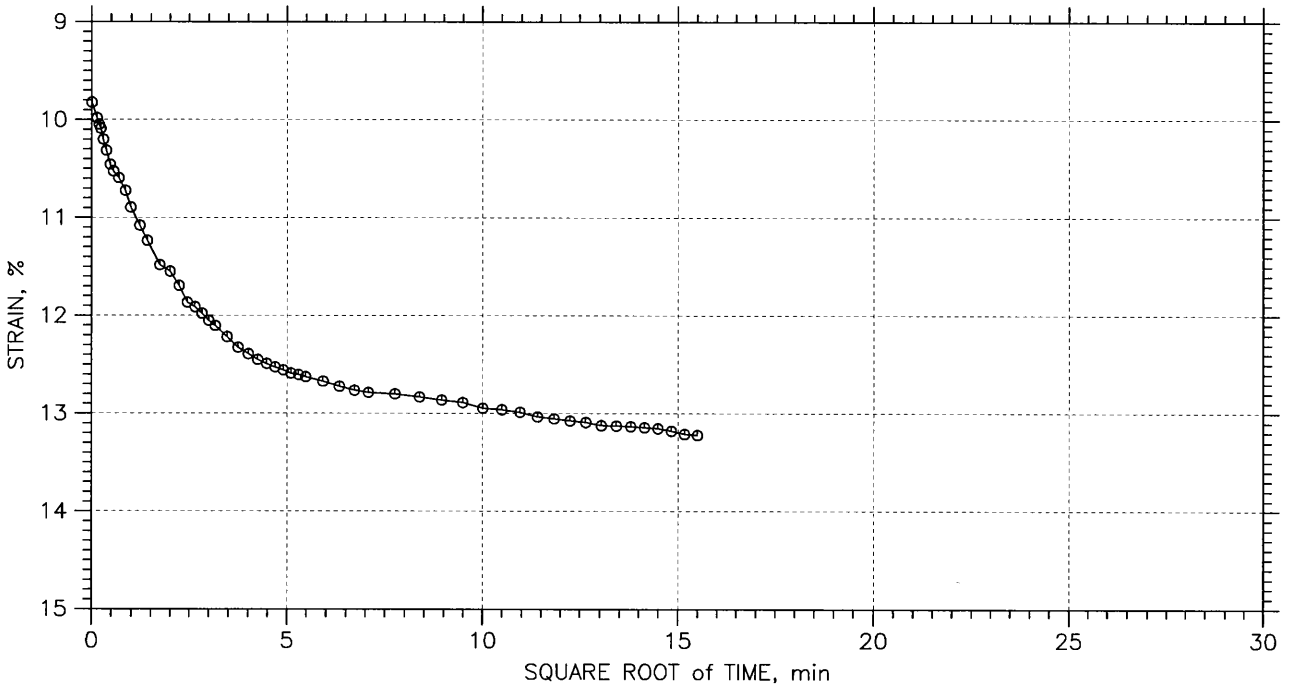
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 6 of 12

Stress: 4 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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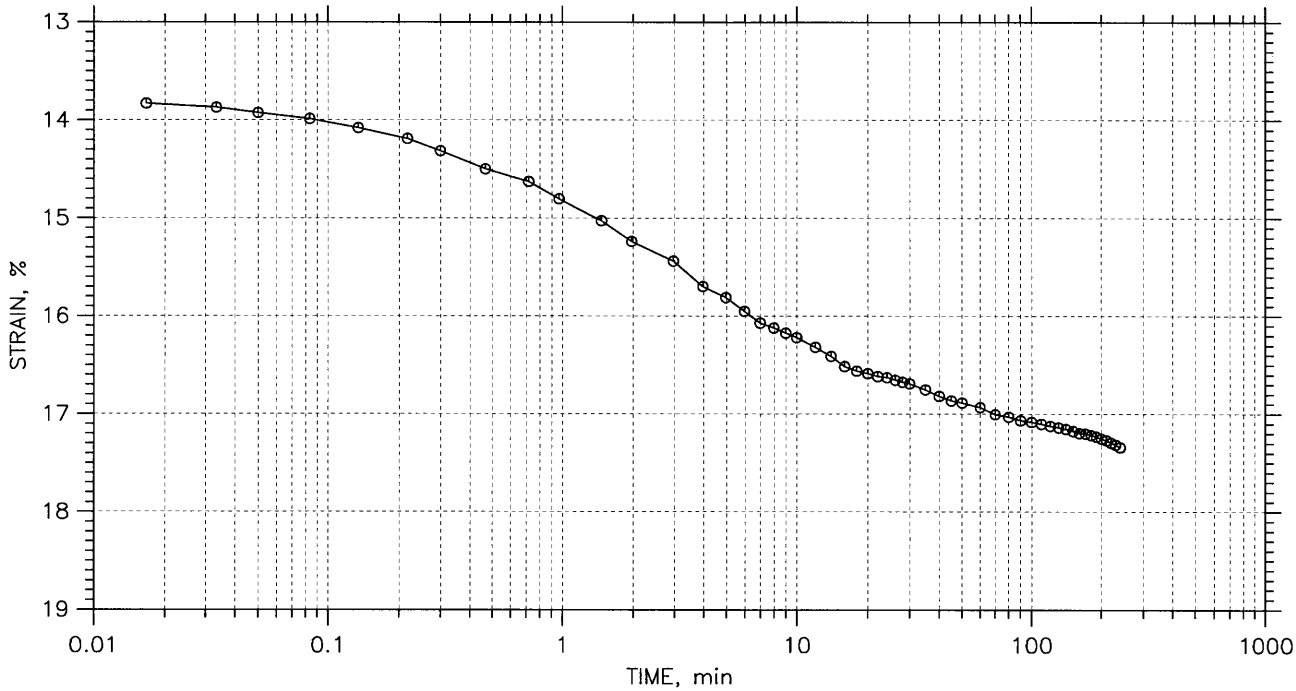
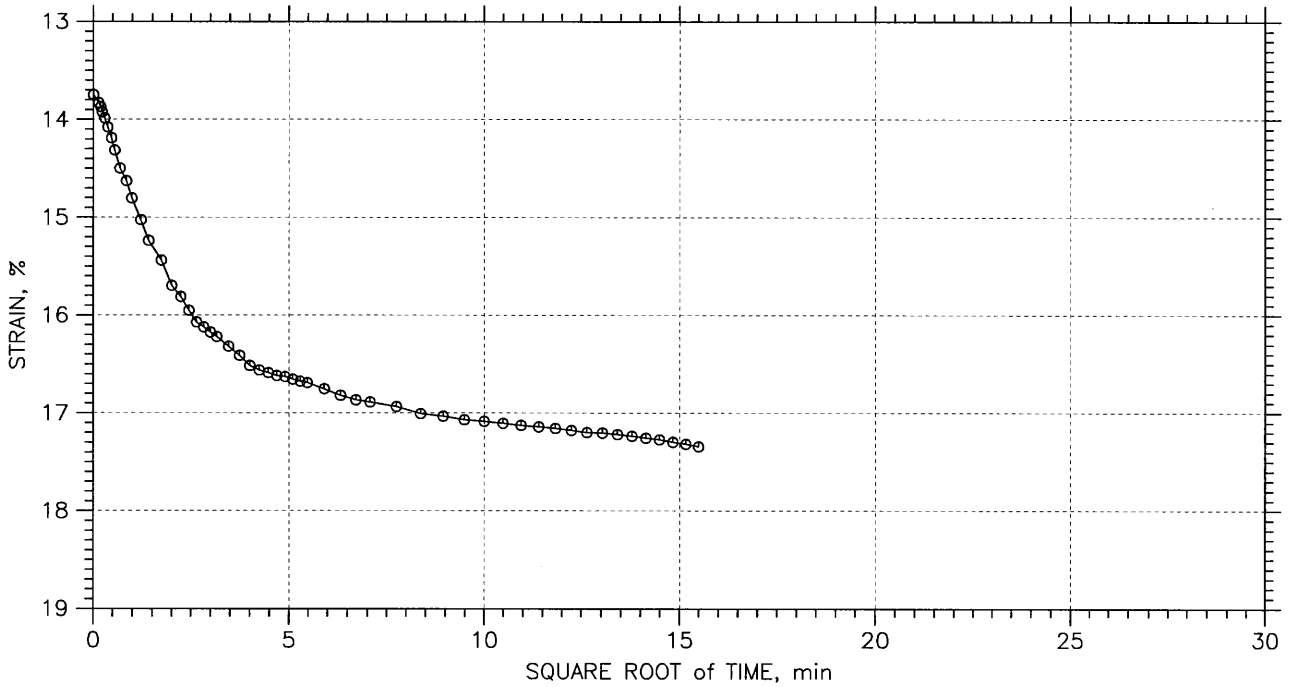
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 7 of 12

Stress: 8 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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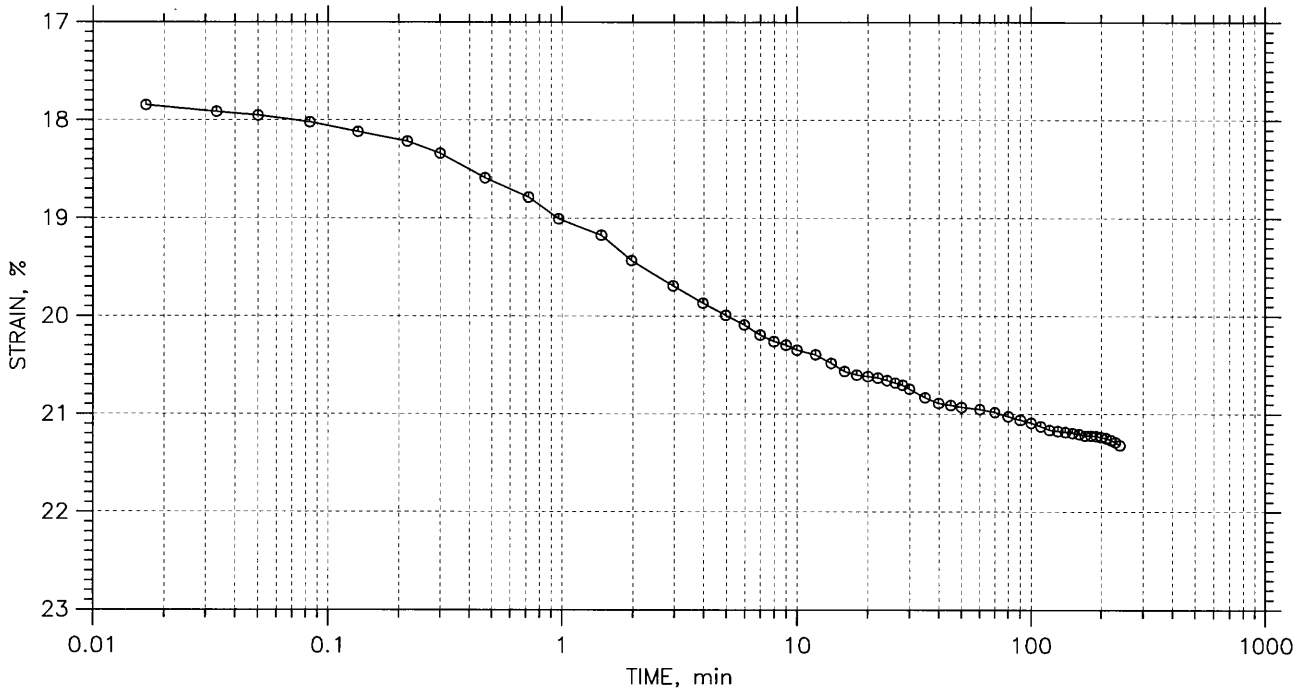
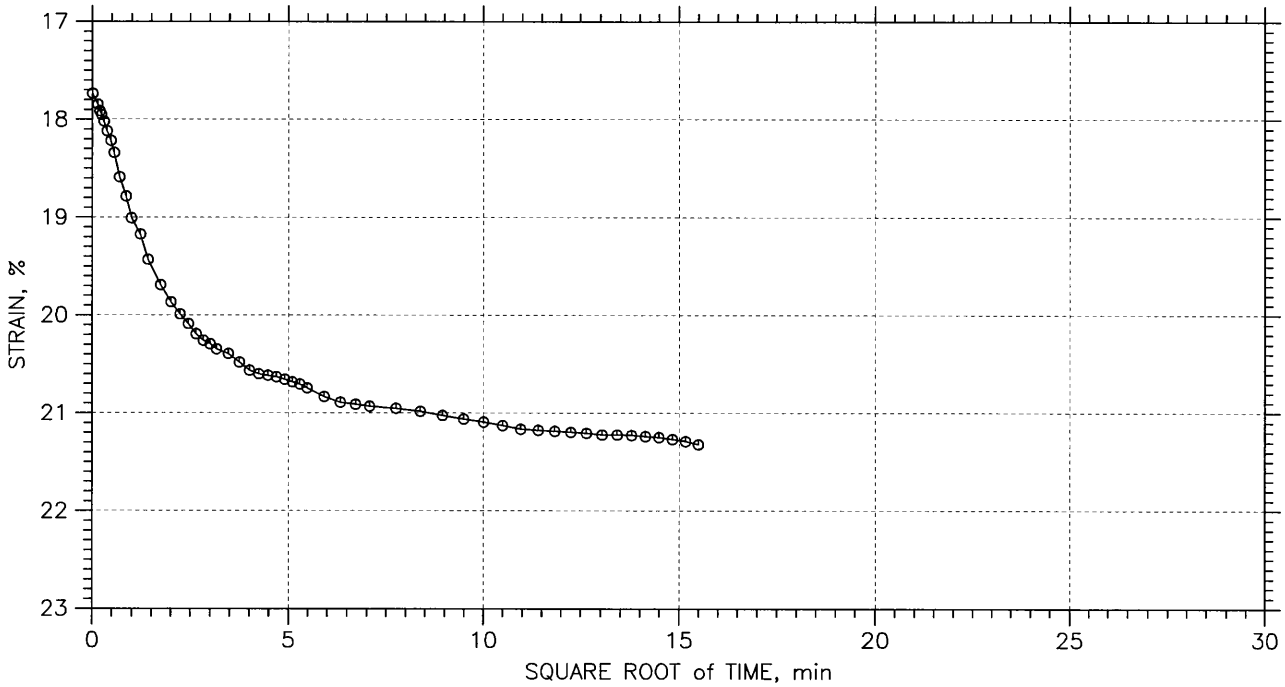
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 8 of 12

Stress: 16 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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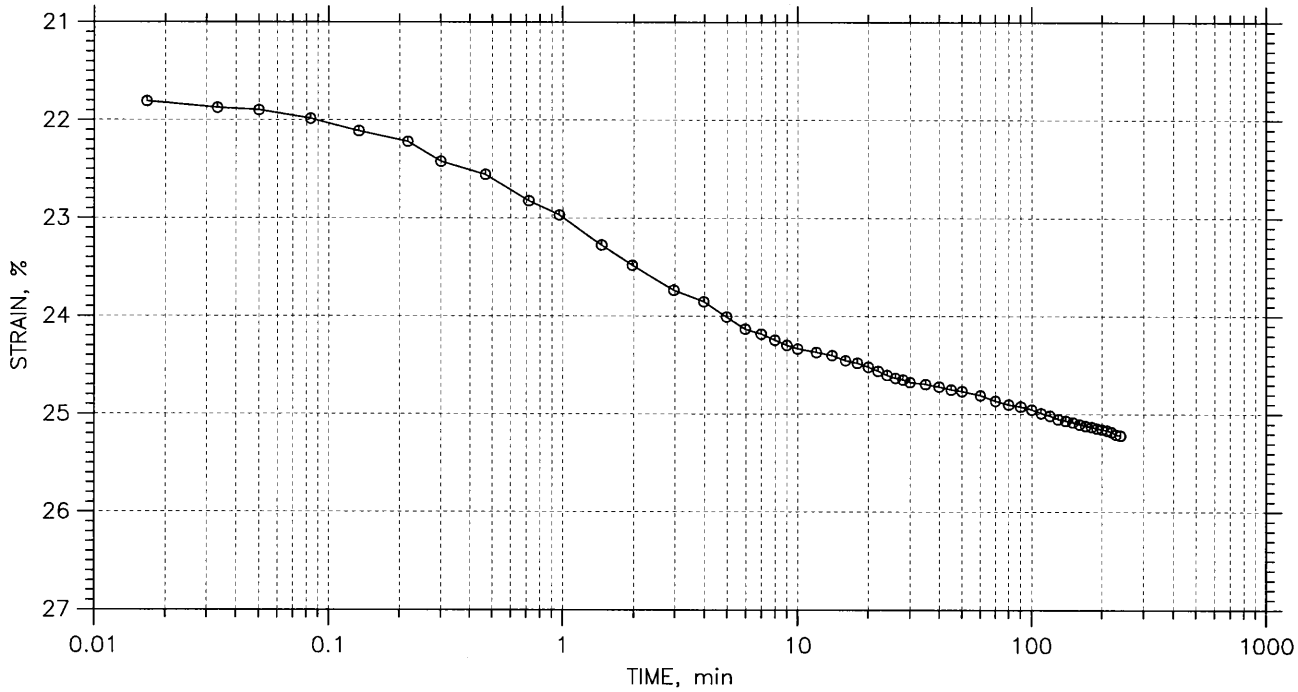
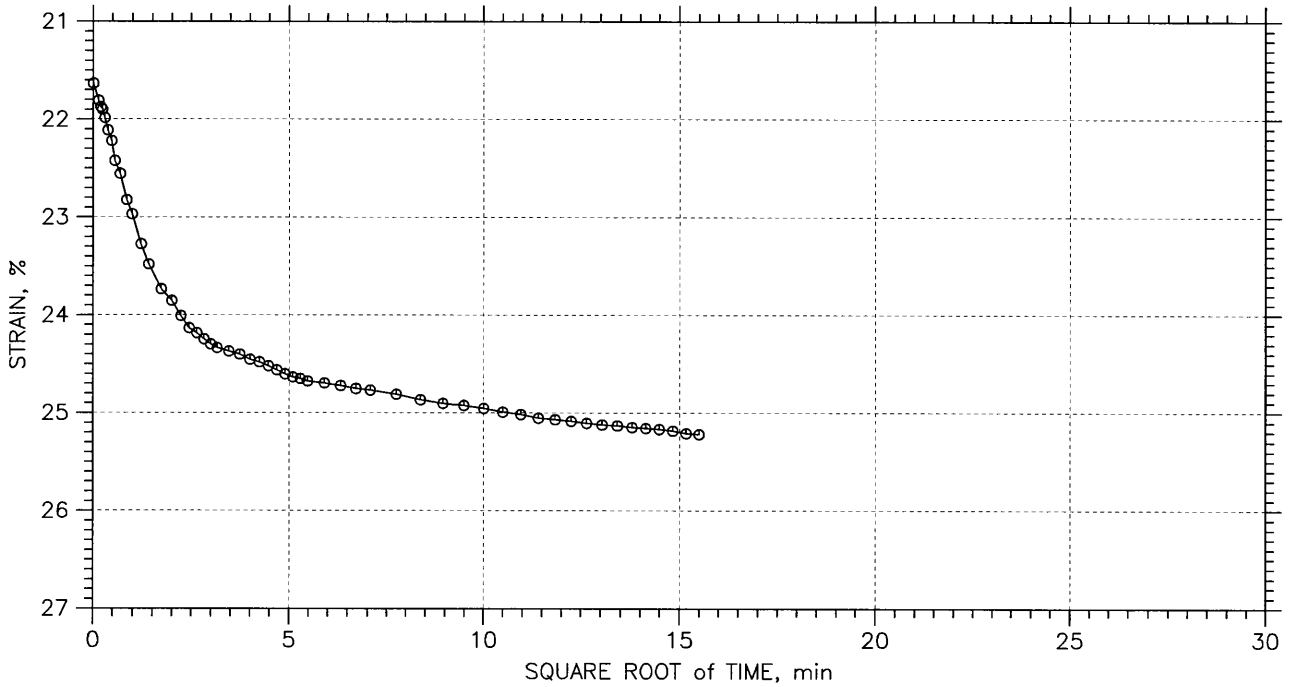
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 9 of 12

Stress: 32 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System 0		

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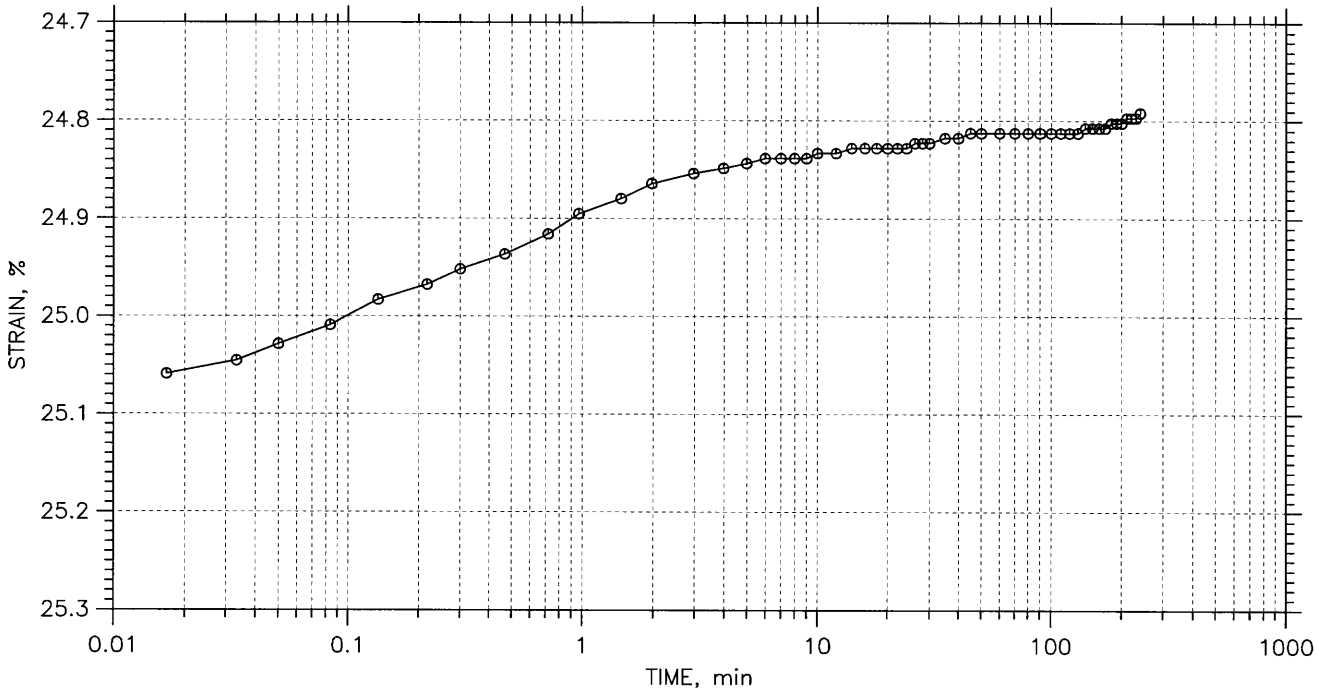
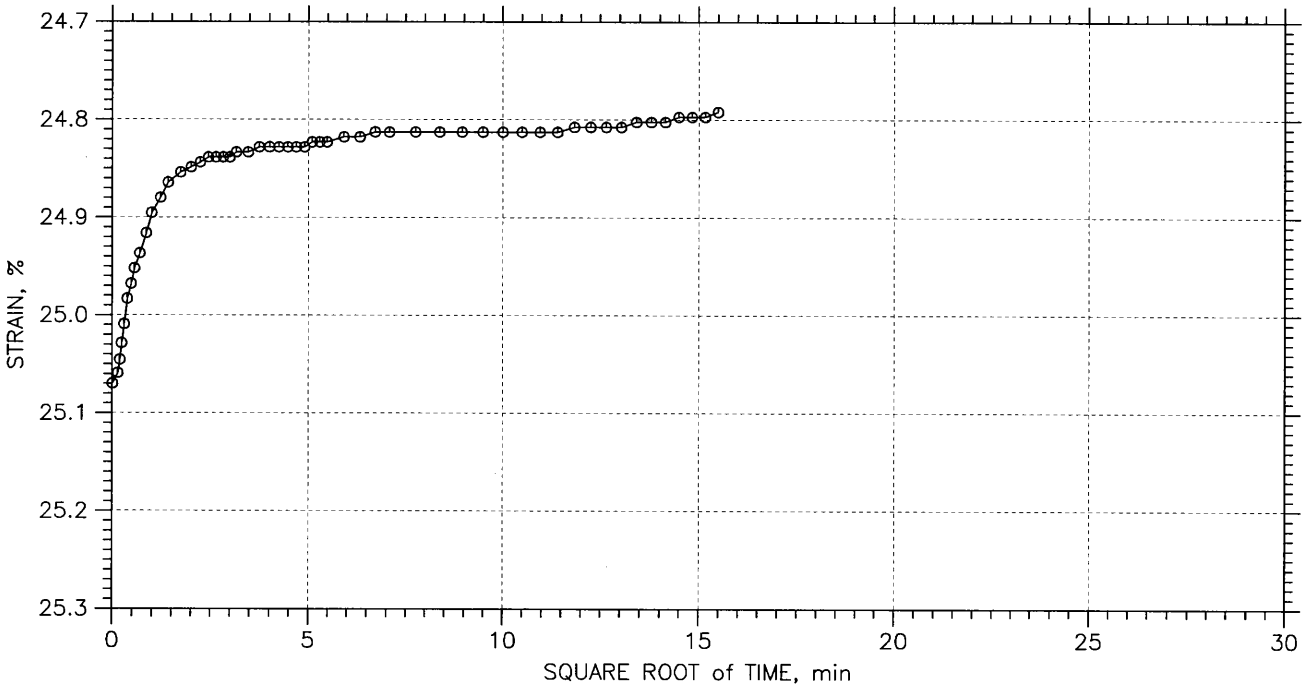
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 10 of 12

Stress: 8 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System 0		

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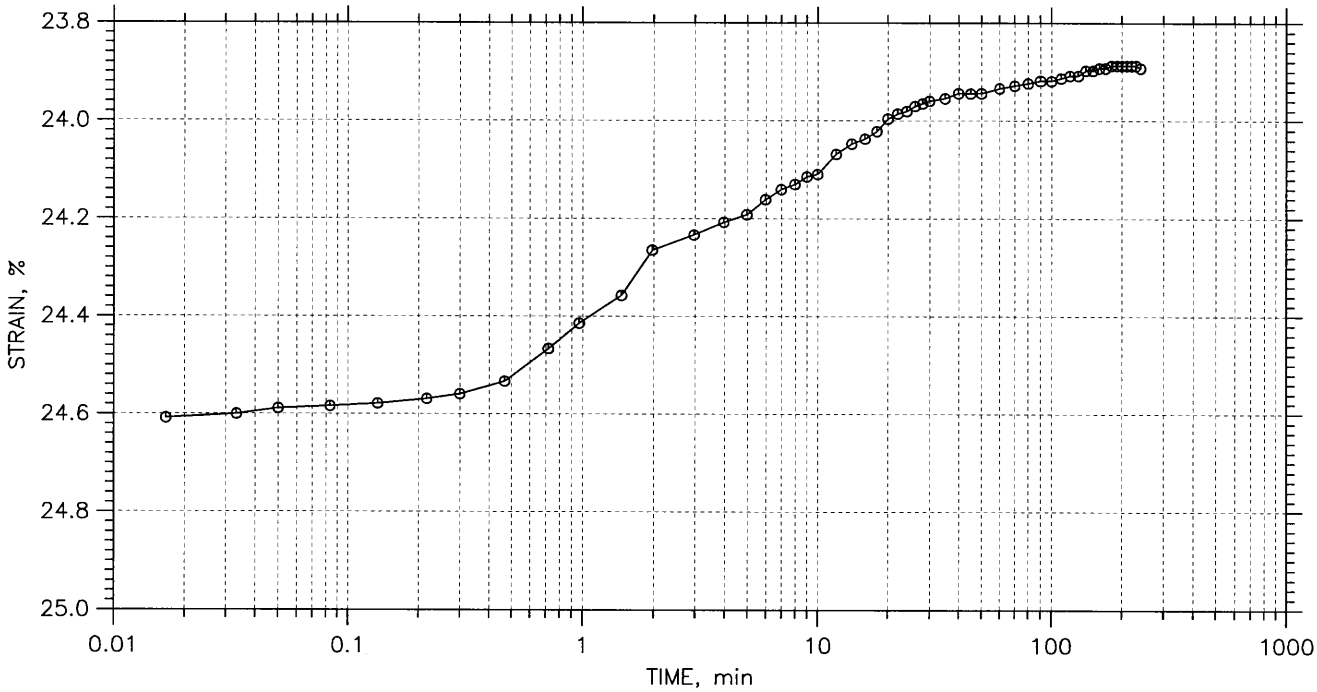
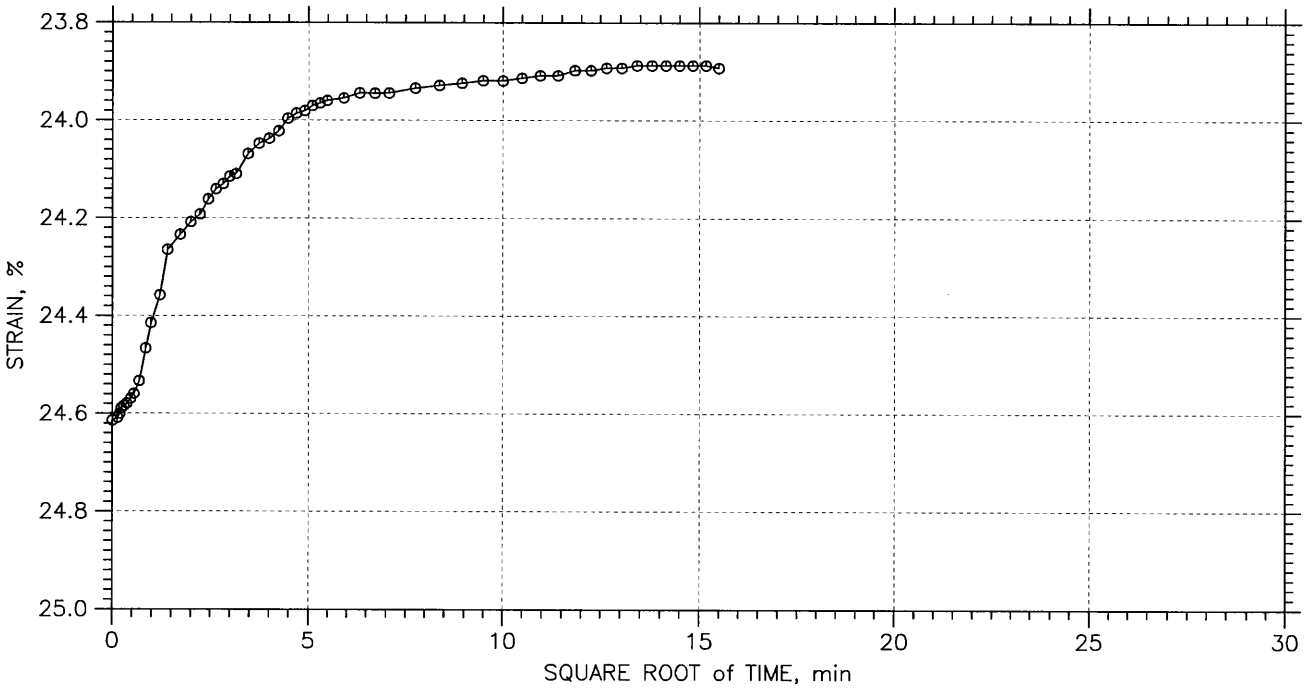
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 11 of 12

Stress: 2 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System O		

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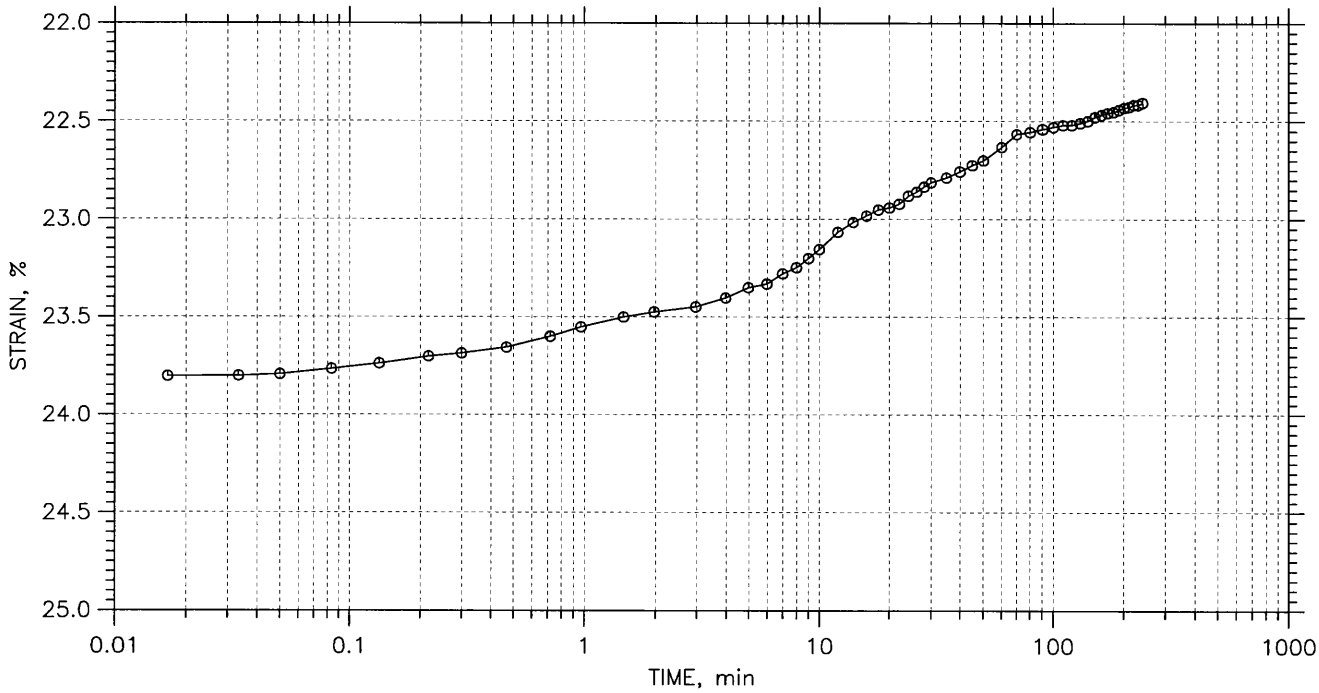
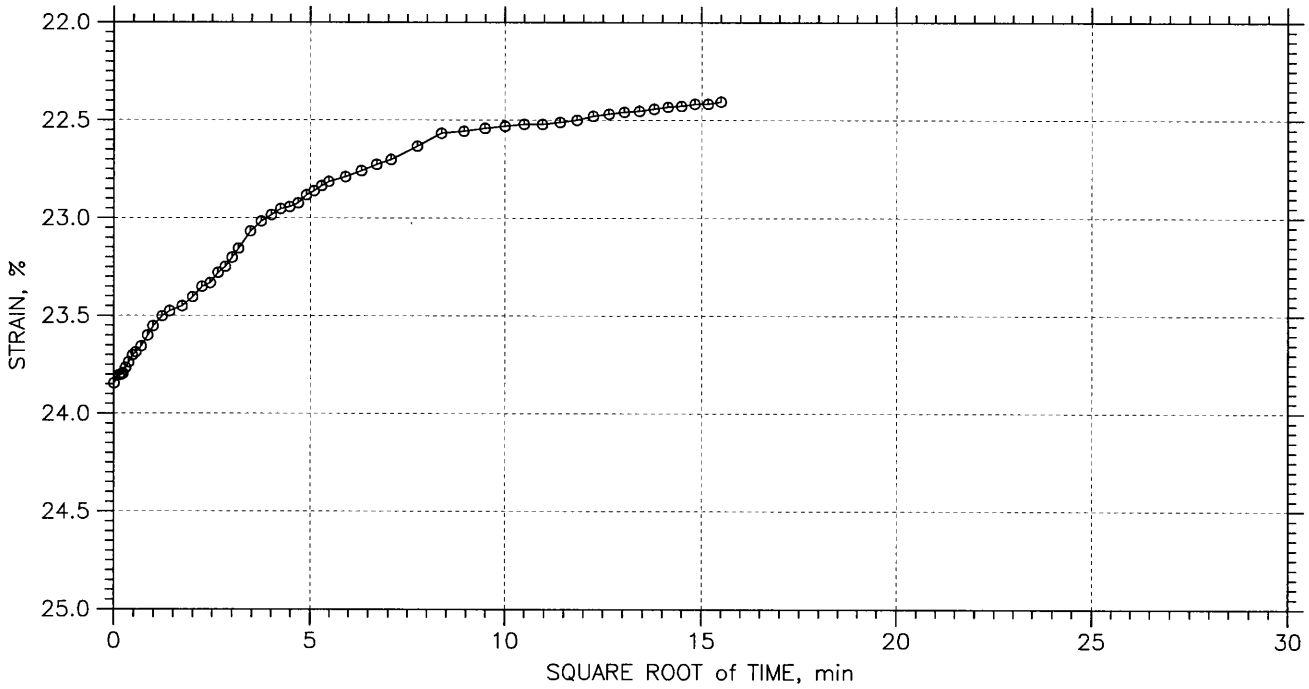
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 12 of 12

Stress: 0.5 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-10 (OW)	Tested By: md	Checked By: jdt
	Sample No.: UD-2	Test Date: 6/04/12	Test No.: IP-2
	Depth: 55-57 ft	Sample Type: intact	Elevation: ---
	Description: Moist, dark gray clay with sand		
	Remarks: System 0		

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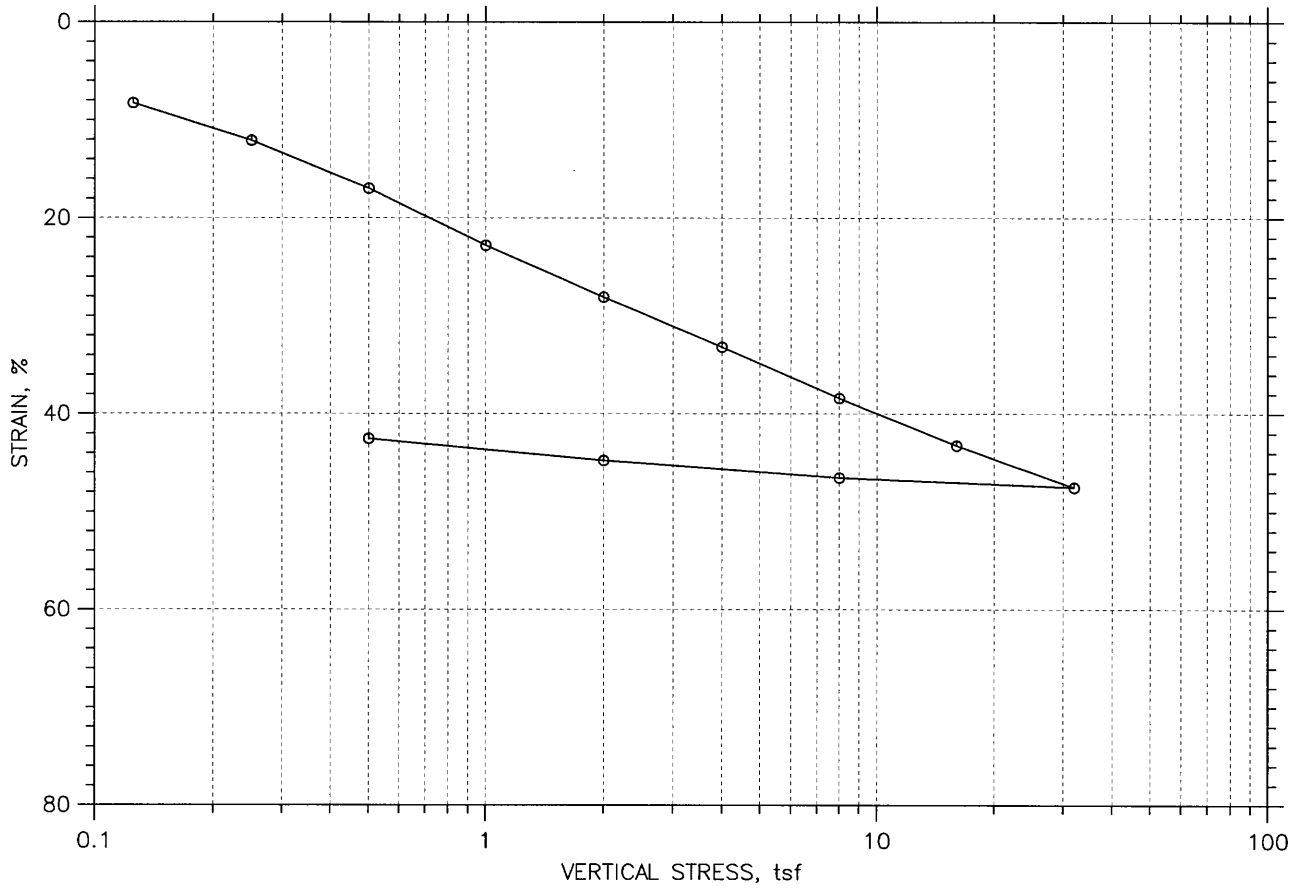
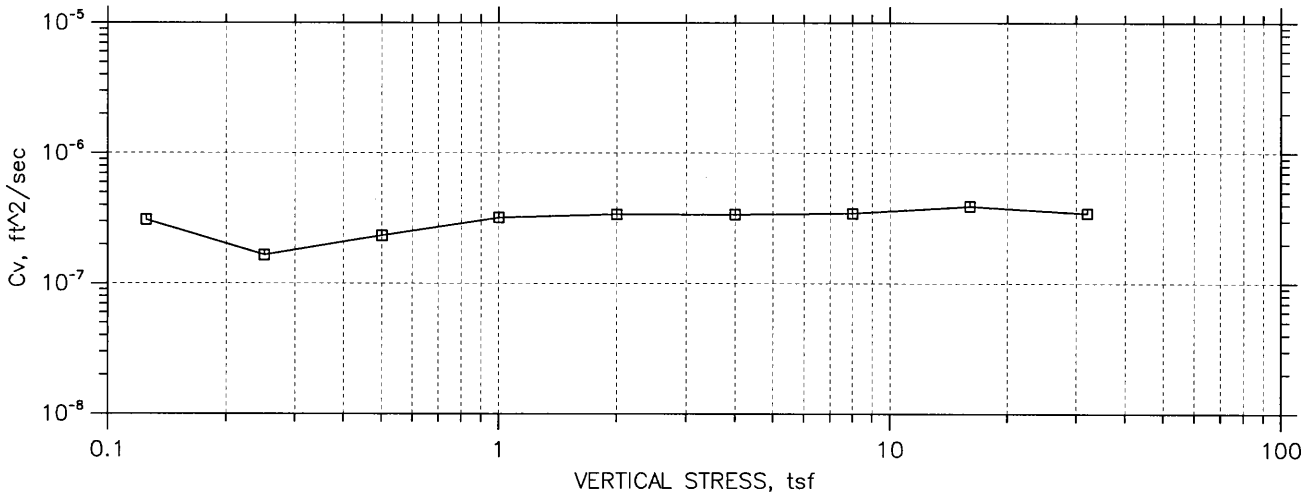
One-Dimensional Consolidation by ASTM D 2435 - Method B

SUMMARY REPORT





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		
	Displacement at End of Increment		

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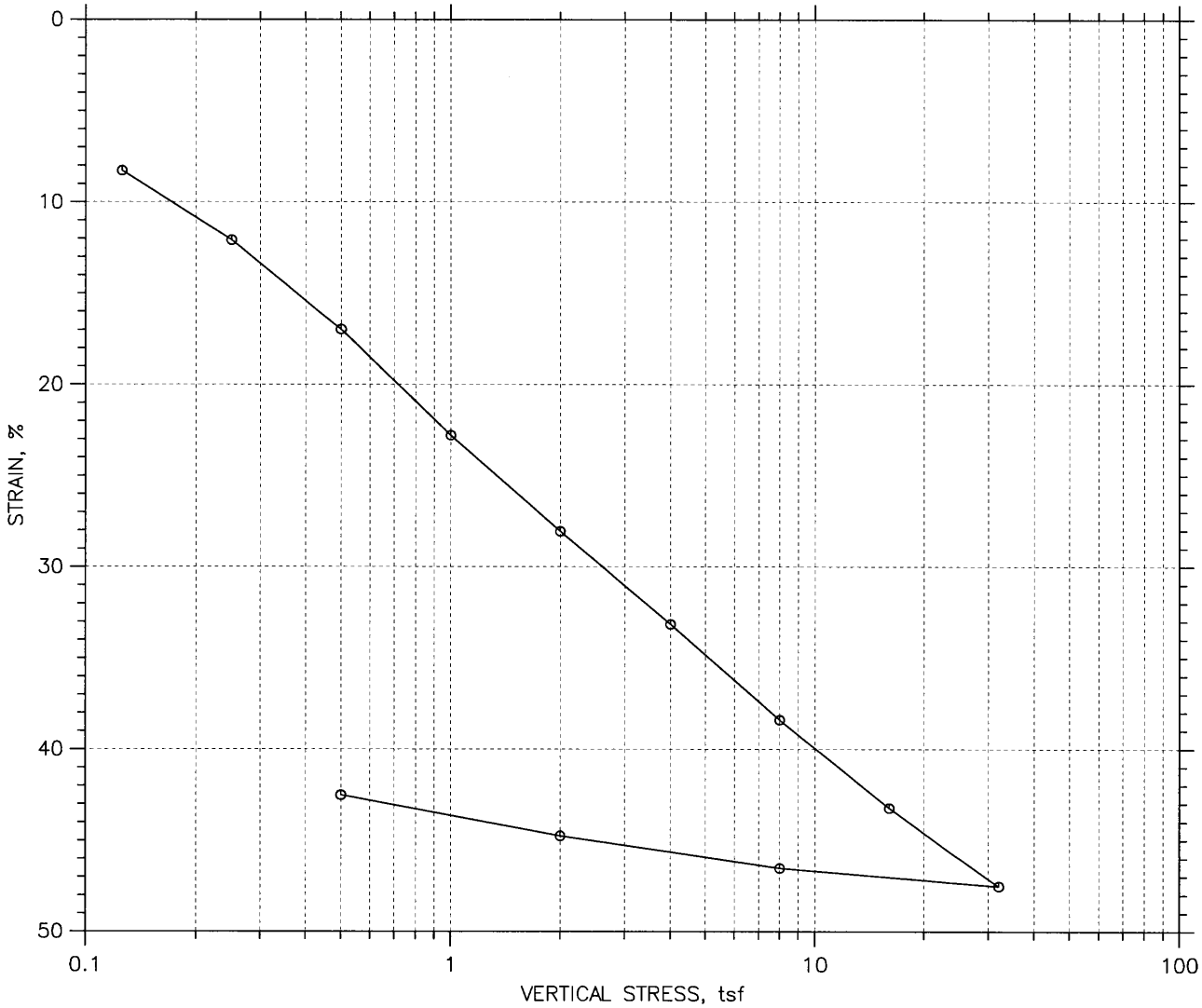
One-Dimensional Consolidation by ASTM D 2435 - Method B

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	82.34	33.55
Preconsolidation Pressure: ---				Dry Unit Weight, pcf	52.556	89.533
Compression Index: ---				Saturation, %	99.68	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	2.28	0.93
LL: 86	PL: 34	PI: 52	GS: 2.76			

GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		
	Displacement at End of Increment		

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One-Dimensional Consolidation by ASTM D 2435 - Method B

Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
Boring No.: B-11	Tested By: md	Checked By: jdt
Sample No.: UD-1	Test Date: 6/04/12	Depth: 27-29 ft
Test No.: IP-3	Sample Type: intact	Elevation: ---

Soil Description: Moist, very dark grayish brown clay
Remarks: System U

Estimated Specific Gravity: 2.76	Liquid Limit: 86	Specimen Diameter: 2.50 in
Initial Void Ratio: 2.28	Plastic Limit: 34	Initial Height: 1.00 in
Final Void Ratio: 0.927	Plasticity Index: 52	Final Height: 0.59 in

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	8243	RING		9690
Wt. Container + Wet Soil, gm	132.06	235.99	202.95	99.250
Wt. Container + Dry Soil, gm	78.380	180.23	180.23	76.200
Wt. Container, gm	8.3000	112.51	112.51	7.5000
Wt. Dry Soil, gm	70.080	67.719	67.719	68.700
Water Content, %	76.60	82.34	33.55	33.55
Void Ratio	---	2.28	0.927	---
Degree of Saturation, %	---	99.68	100.00	---
Dry Unit Weight, pcf	---	52.556	89.533	---

Note: Specific Gravity and Void Ratios are calculated assuming the degree of saturation equals 100% at the end of the test. Therefore, values may not represent actual values for the specimen.

One-Dimensional Consolidation by ASTM D 2435 - Method B

Project: 551 W. 21st Street
Boring No.: B-11
Sample No.: UD-1
Test No.: IP-3

Location: Manhatten, NY
Tested By: md
Test Date: 6/04/12
Sample Type: intact

Project No.: GTX-11889
Checked By: jdt
Depth: 27-29 ft
Elevation: ---

Soil Description: Moist, very dark grayish brown clay
Remarks: System U
Displacement at End of Increment

	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	Sq.Rt T90 min	Cv ft^2/sec	Mv 1/tsf	k ft/day
1	0.125	0.08283	2.01	8.28	69.044	3.27e-007	6.63e-001	5.84e-004
2	0.250	0.1209	1.89	12.1	108.854	1.82e-007	3.05e-001	1.49e-004
3	0.500	0.1698	1.73	17.0	76.526	2.34e-007	1.95e-001	1.23e-004
4	1.00	0.2279	1.54	22.8	47.451	3.32e-007	1.16e-001	1.04e-004
5	2.00	0.2806	1.36	28.1	44.527	3.06e-007	5.27e-002	4.35e-005
6	4.00	0.3315	1.20	33.2	38.577	3.06e-007	2.55e-002	2.10e-005
7	8.00	0.3839	1.02	38.4	31.843	3.18e-007	1.31e-002	1.12e-005
8	16.0	0.4323	0.864	43.2	21.415	4.01e-007	6.05e-003	6.55e-006
9	32.0	0.4751	0.724	47.5	27.543	2.66e-007	2.68e-003	1.92e-006
10	8.00	0.4652	0.756	46.5	7.912	8.71e-007	4.13e-004	9.70e-007
11	2.00	0.4476	0.814	44.8	39.481	1.84e-007	2.94e-003	1.46e-006
12	0.500	0.4252	0.887	42.5	128.129	6.08e-008	1.49e-002	2.44e-006

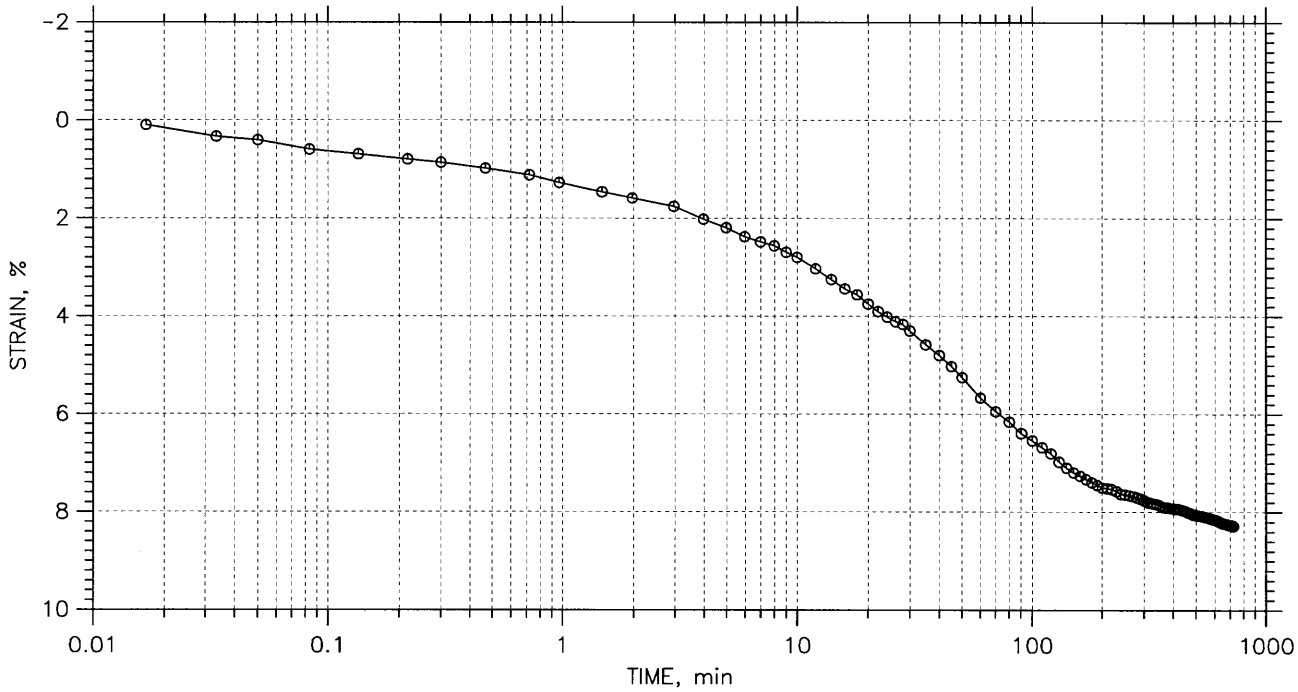
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	Log T50 min	Cv ft^2/sec	Mv 1/tsf	k ft/day	Ca %
1	0.125	0.08283	2.01	8.28	0.000	0.00e+000	6.63e-001	0.00e+000	0.00e+000
2	0.250	0.1209	1.89	12.1	28.456	1.62e-007	3.05e-001	1.33e-004	0.00e+000
3	0.500	0.1698	1.73	17.0	17.933	2.32e-007	1.95e-001	1.22e-004	0.00e+000
4	1.00	0.2279	1.54	22.8	11.632	3.15e-007	1.16e-001	9.86e-005	0.00e+000
5	2.00	0.2806	1.36	28.1	9.113	3.48e-007	5.27e-002	4.94e-005	0.00e+000
6	4.00	0.3315	1.20	33.2	7.953	3.45e-007	2.55e-002	2.37e-005	0.00e+000
7	8.00	0.3839	1.02	38.4	6.651	3.54e-007	1.31e-002	1.25e-005	0.00e+000
8	16.0	0.4323	0.864	43.2	5.624	3.55e-007	6.05e-003	5.79e-006	0.00e+000
9	32.0	0.4751	0.724	47.5	4.779	3.56e-007	2.68e-003	2.57e-006	0.00e+000
10	8.00	0.4652	0.756	46.5	0.000	0.00e+000	4.13e-004	0.00e+000	0.00e+000
11	2.00	0.4476	0.814	44.8	0.000	0.00e+000	2.94e-003	0.00e+000	0.00e+000
12	0.500	0.4252	0.887	42.5	0.000	0.00e+000	1.49e-002	0.00e+000	0.00e+000

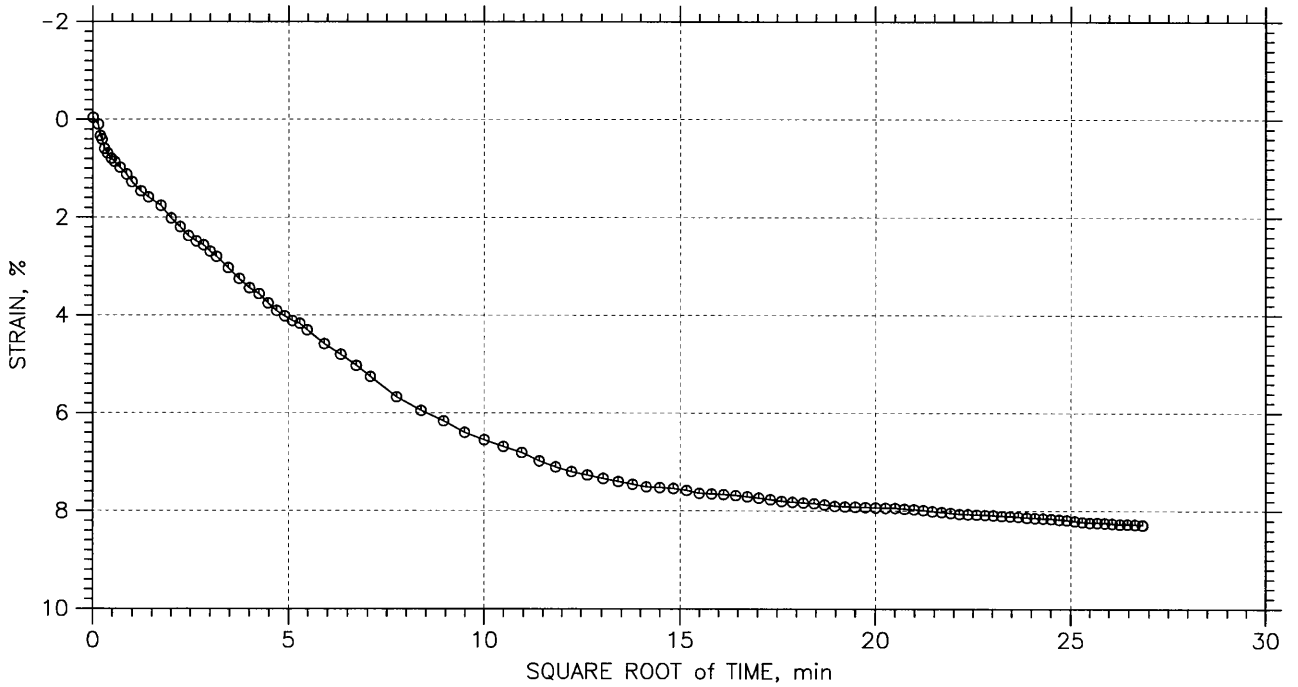
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 1 of 12

Stress: 0.125 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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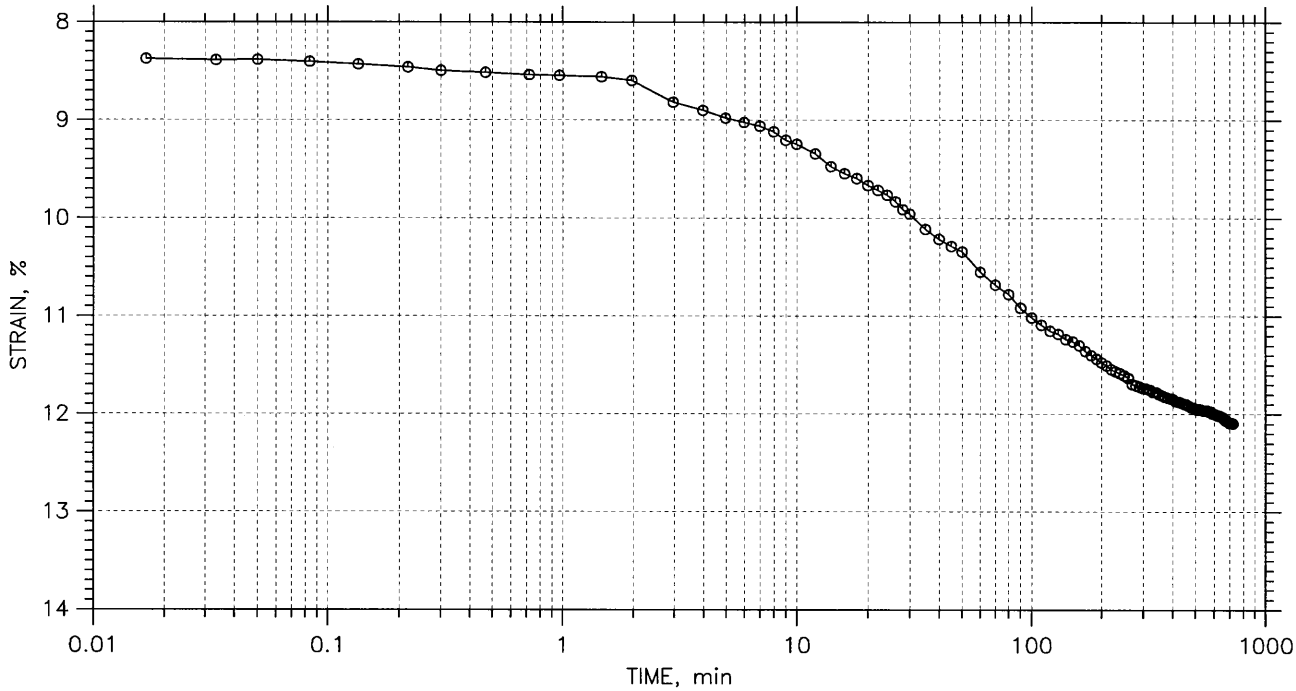
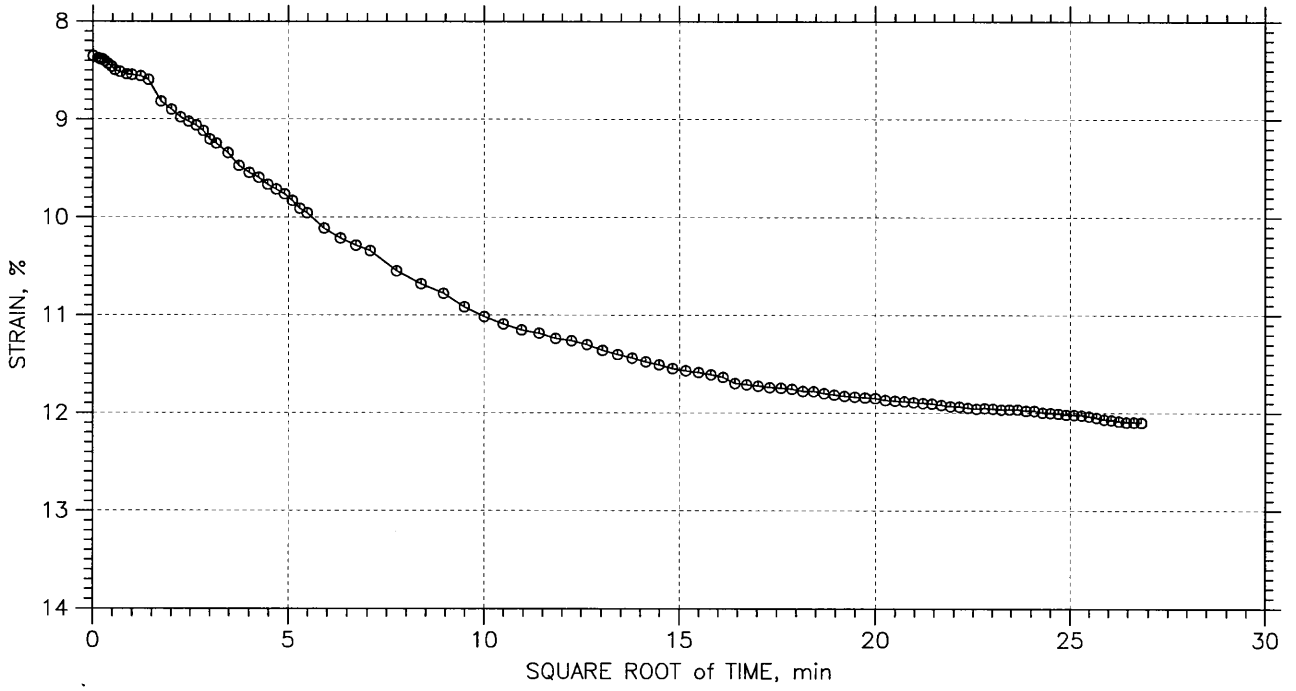
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 2 of 12

Stress: 0.25 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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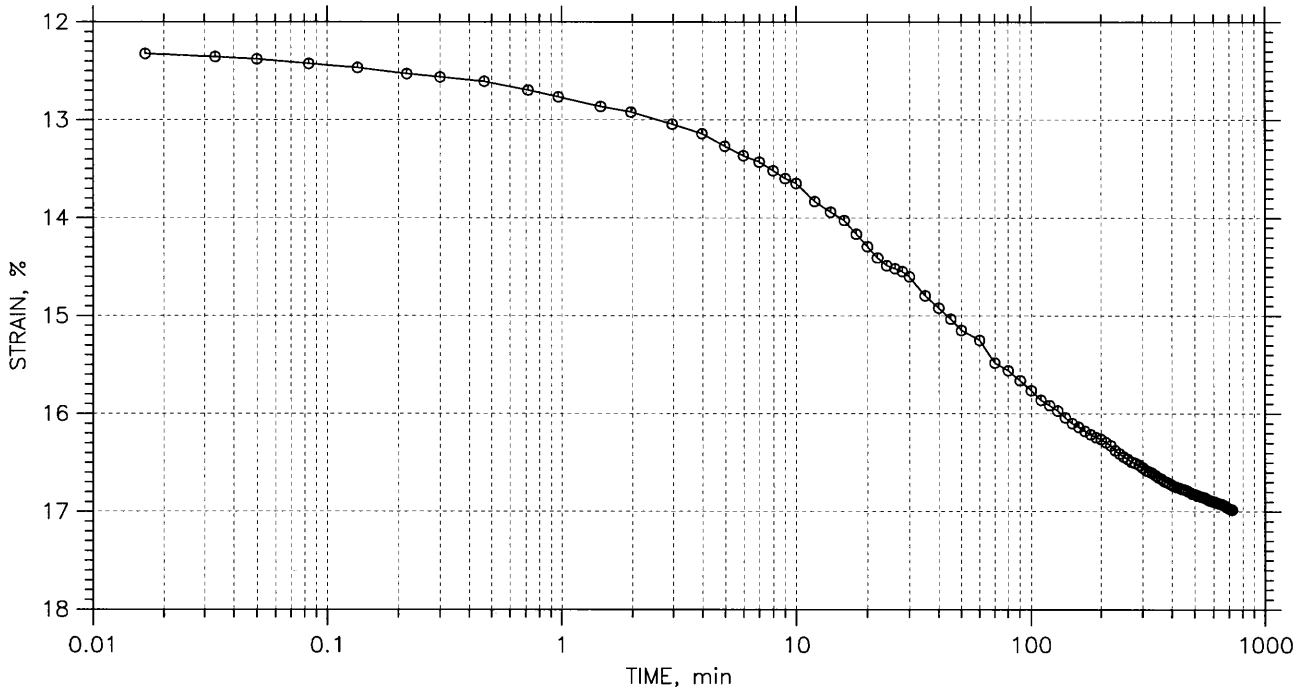
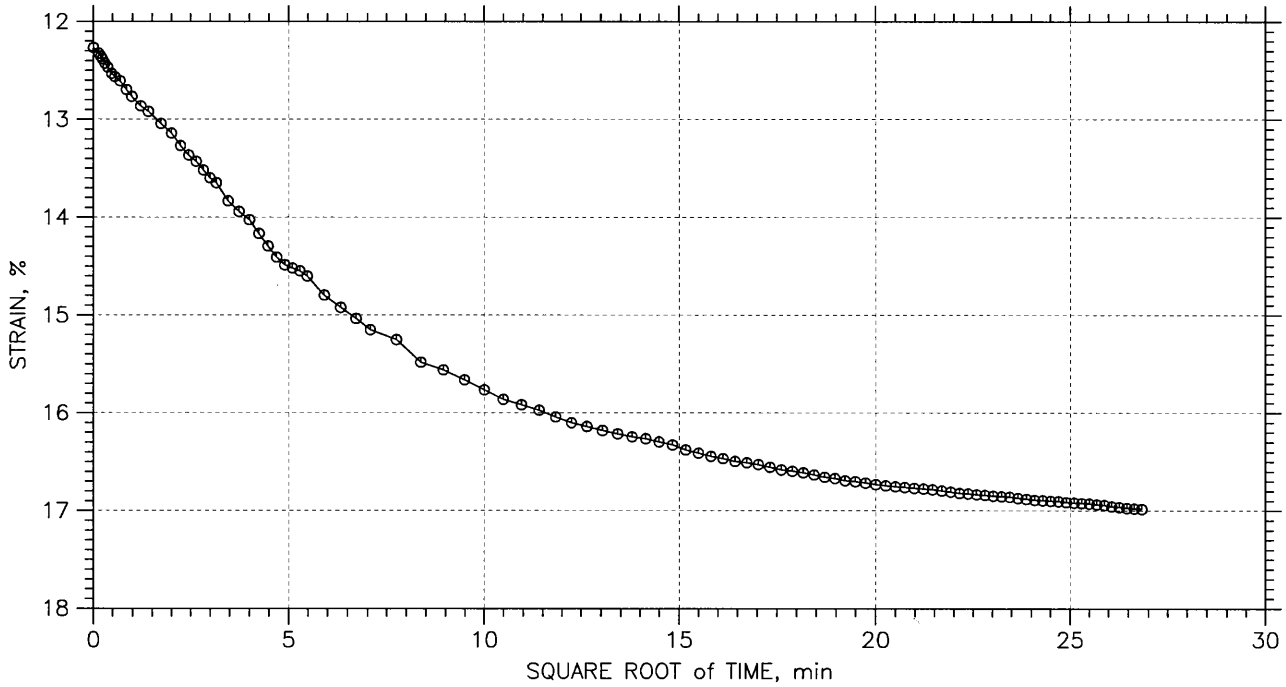
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 3 of 12

Stress: 0.5 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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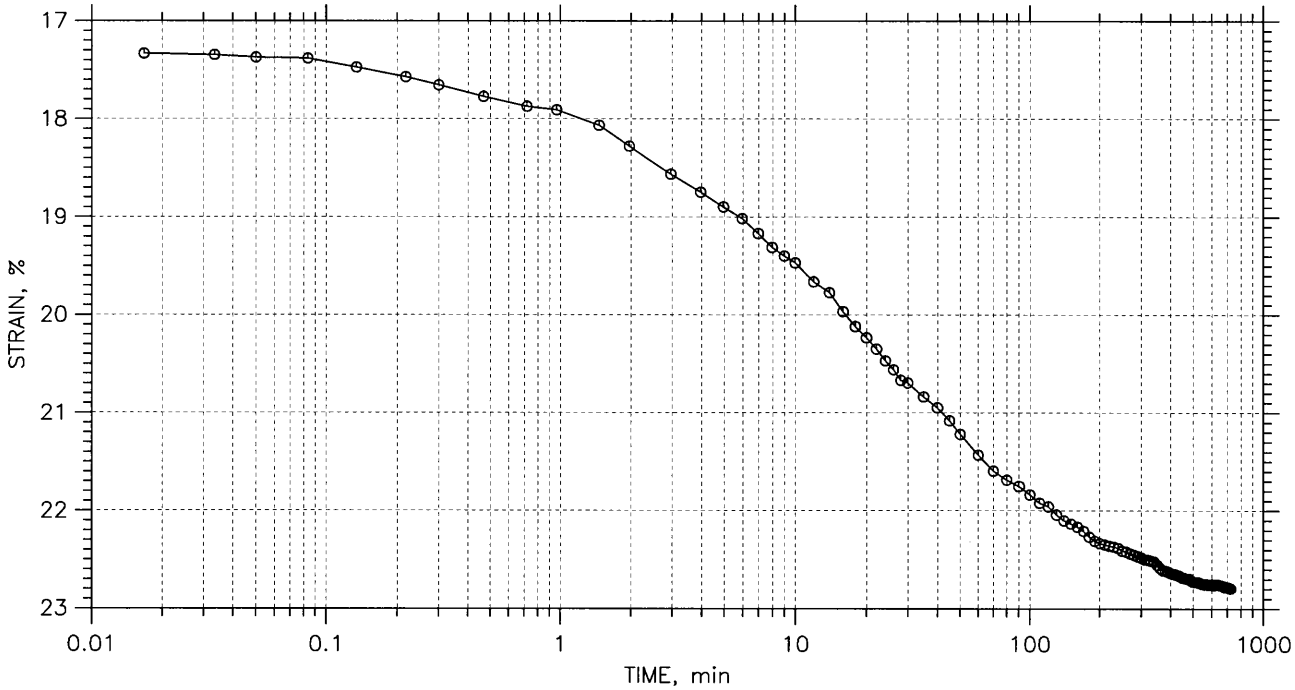
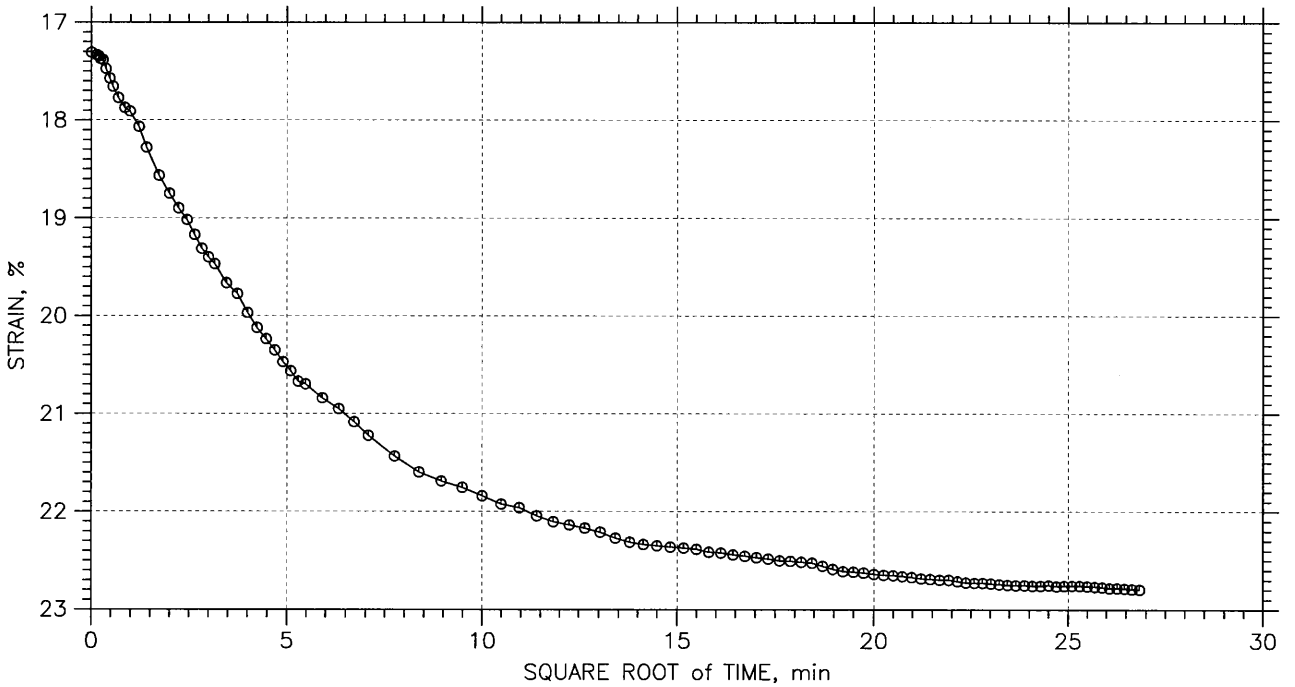
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 4 of 12

Stress: 1 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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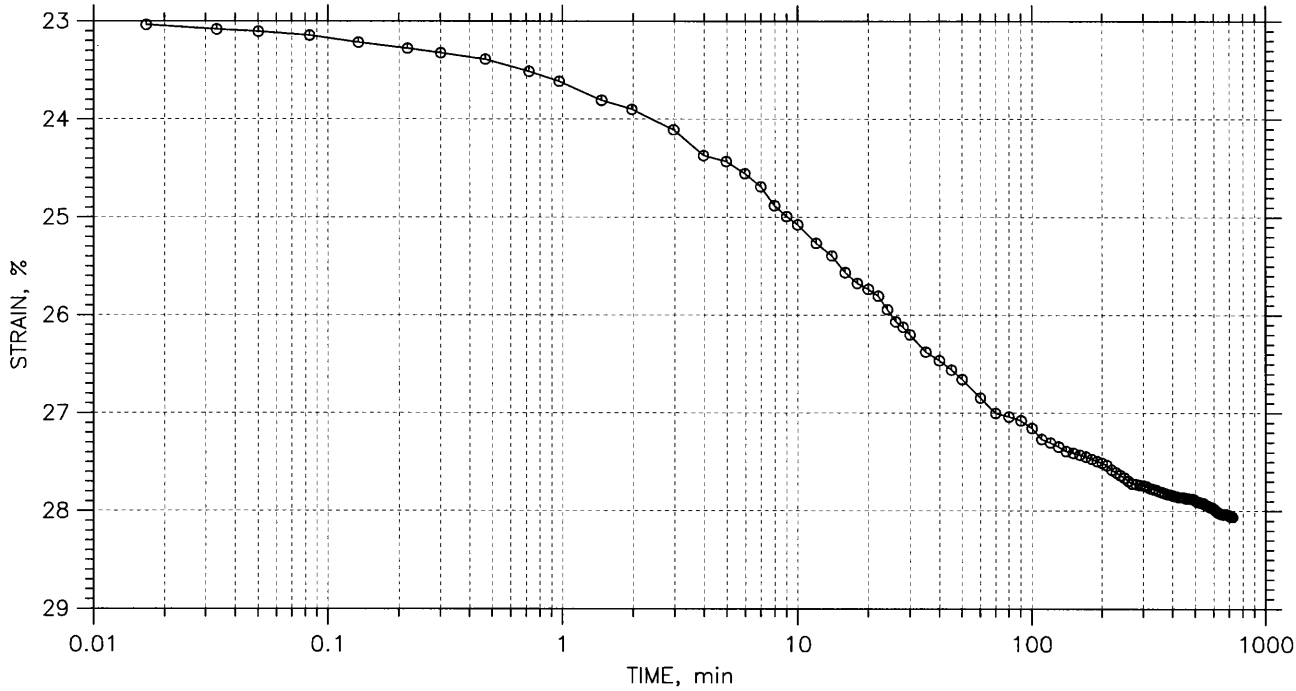
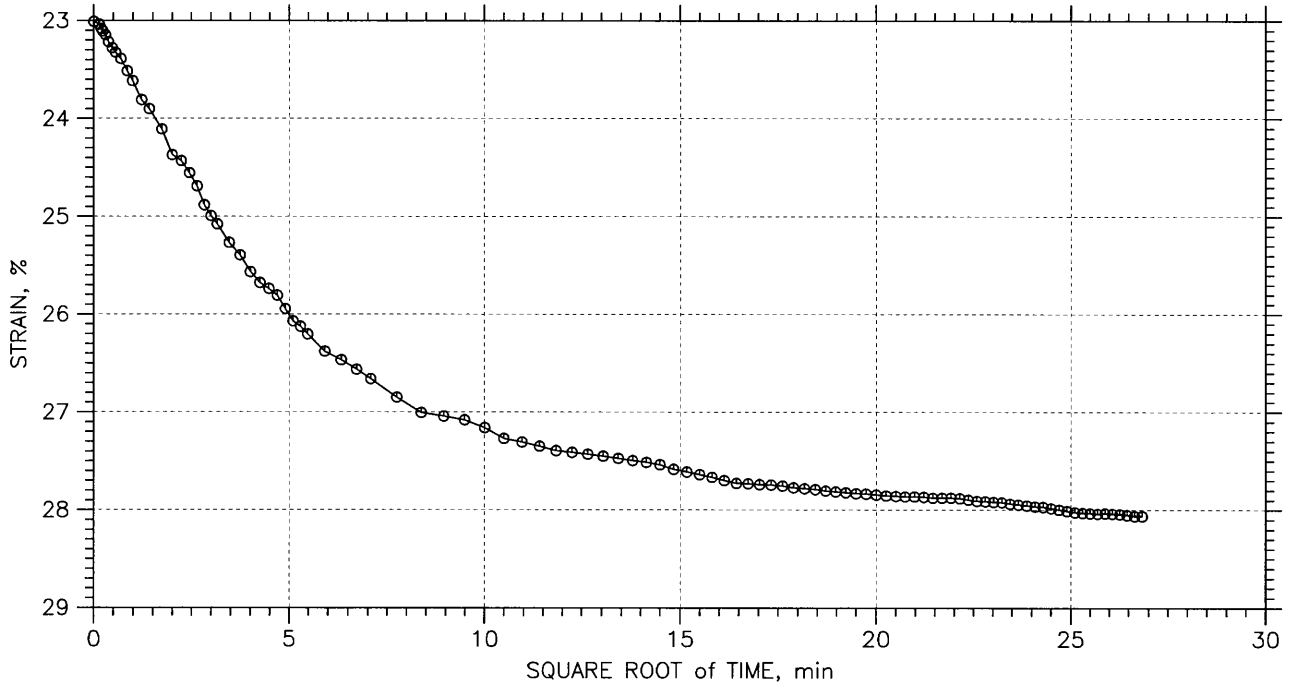
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 5 of 12

Stress: 2 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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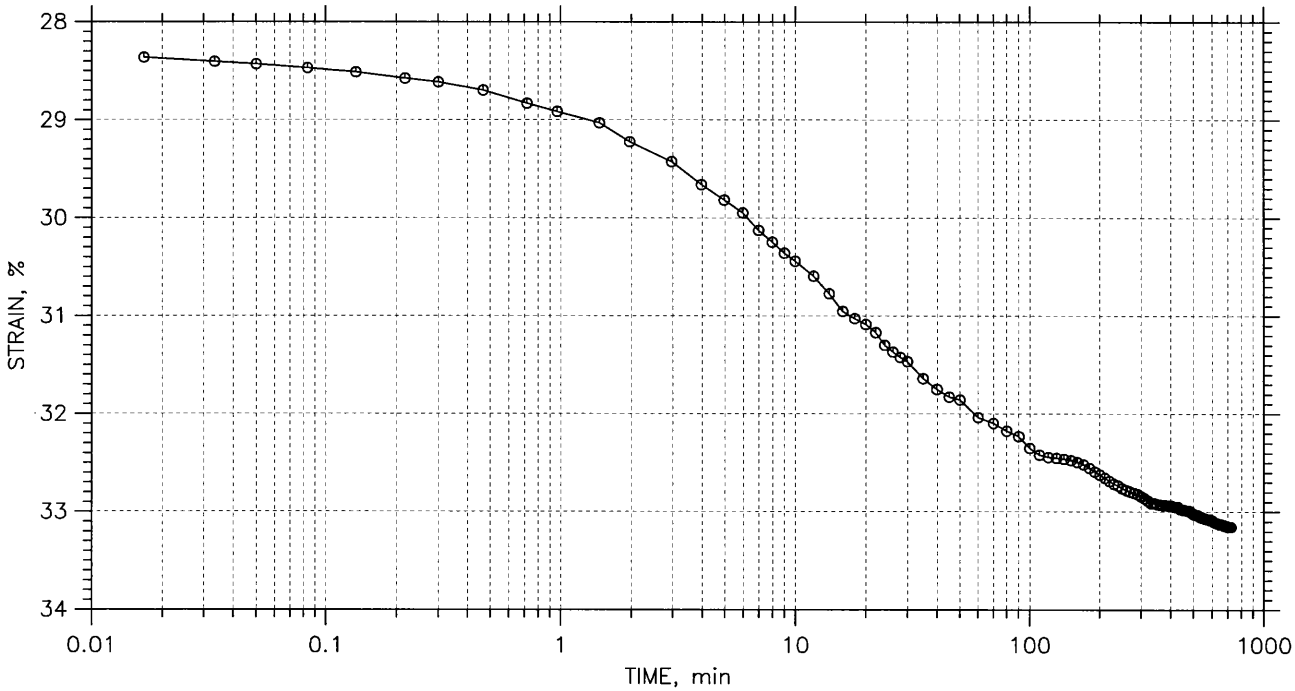
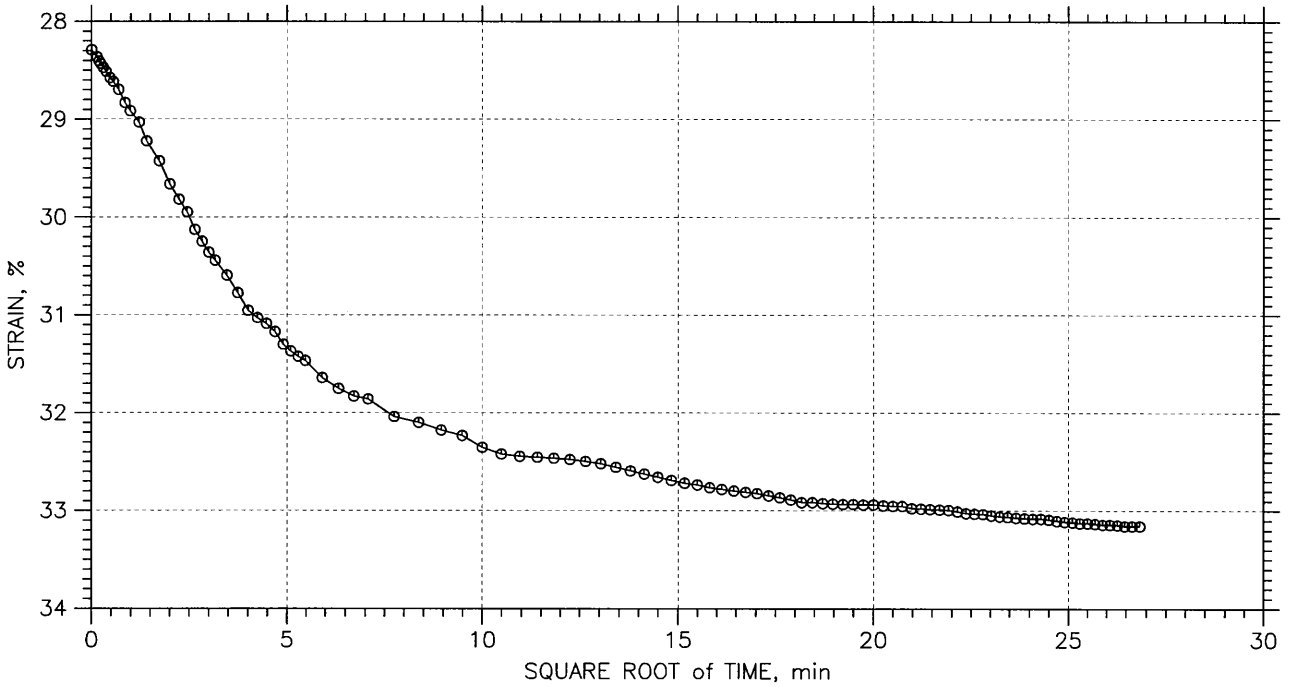
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 6 of 12

Stress: 4 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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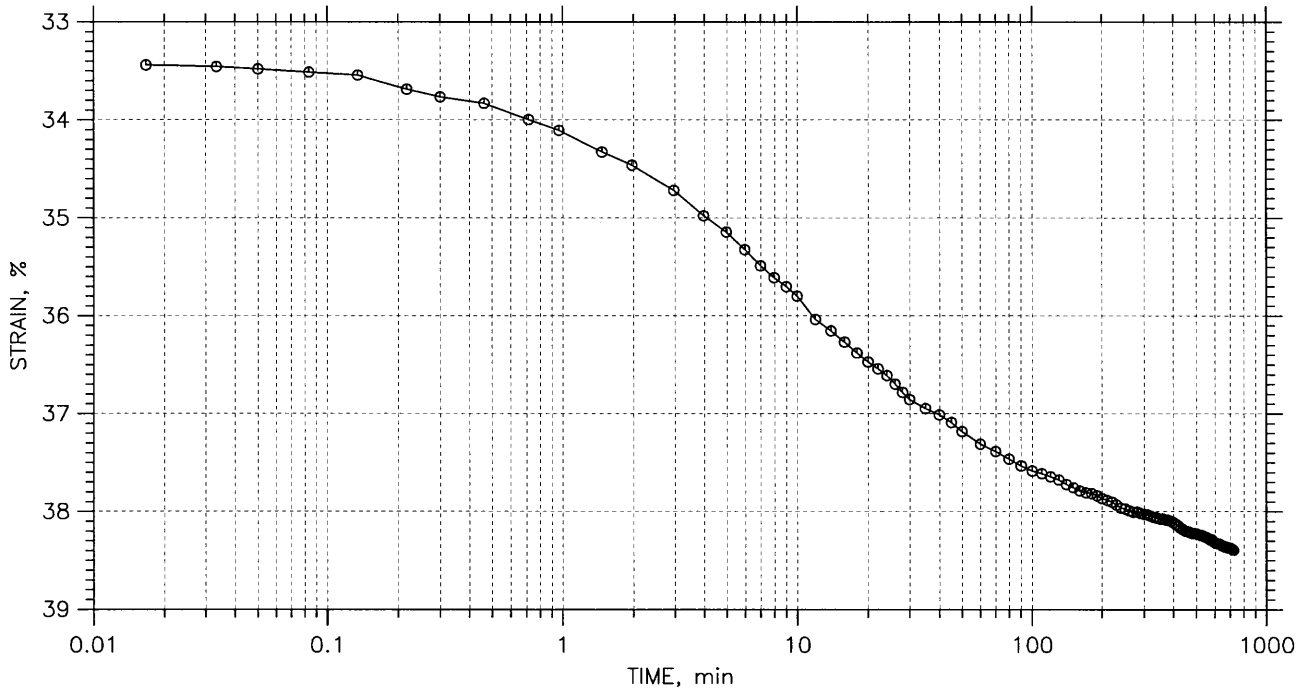
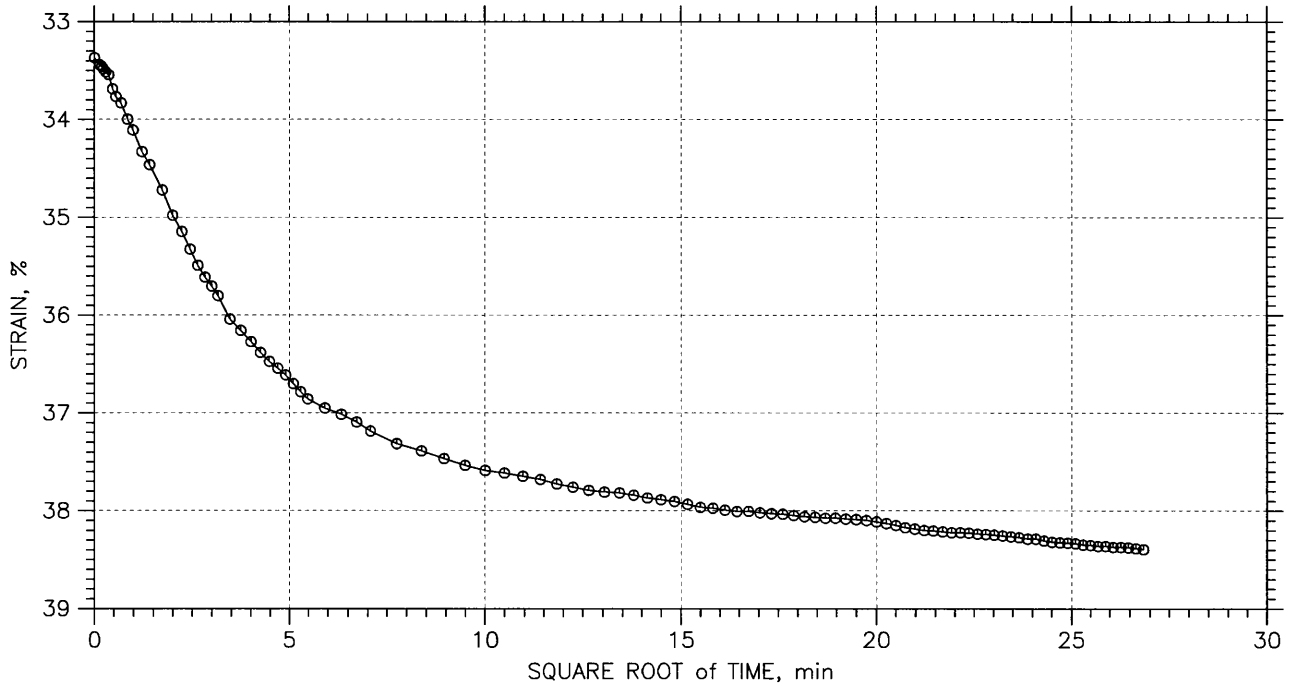
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 7 of 12

Stress: 8 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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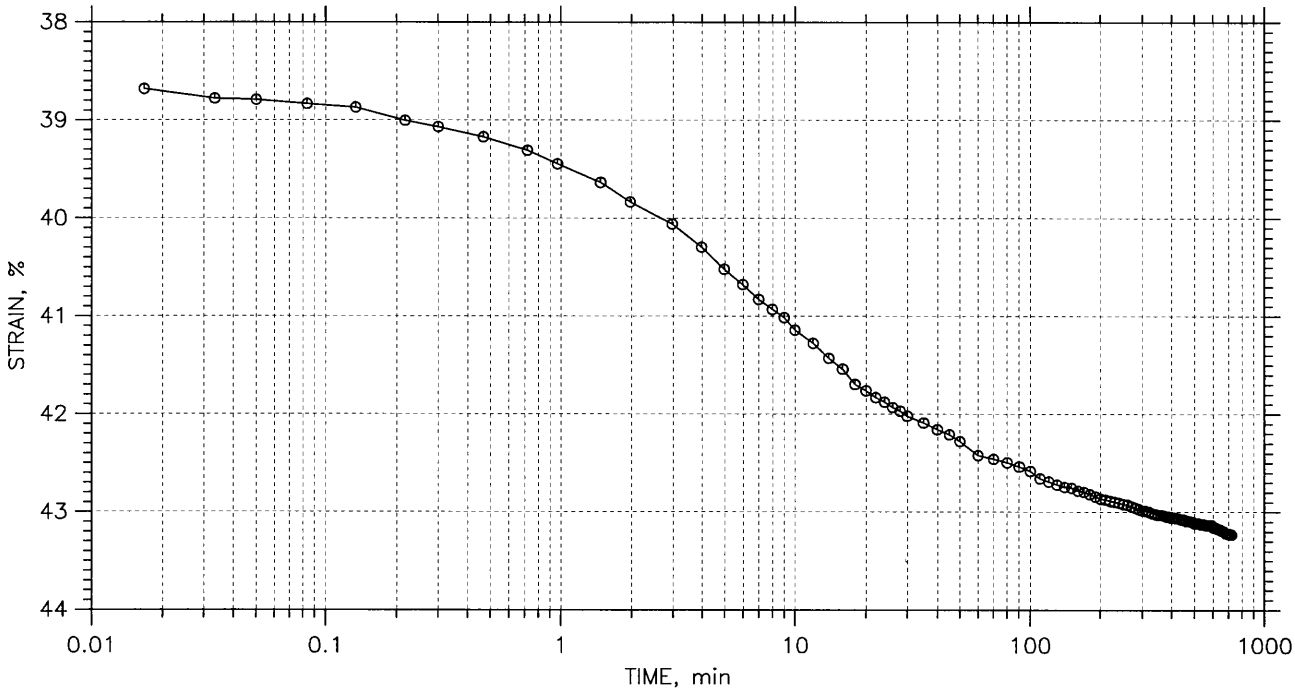
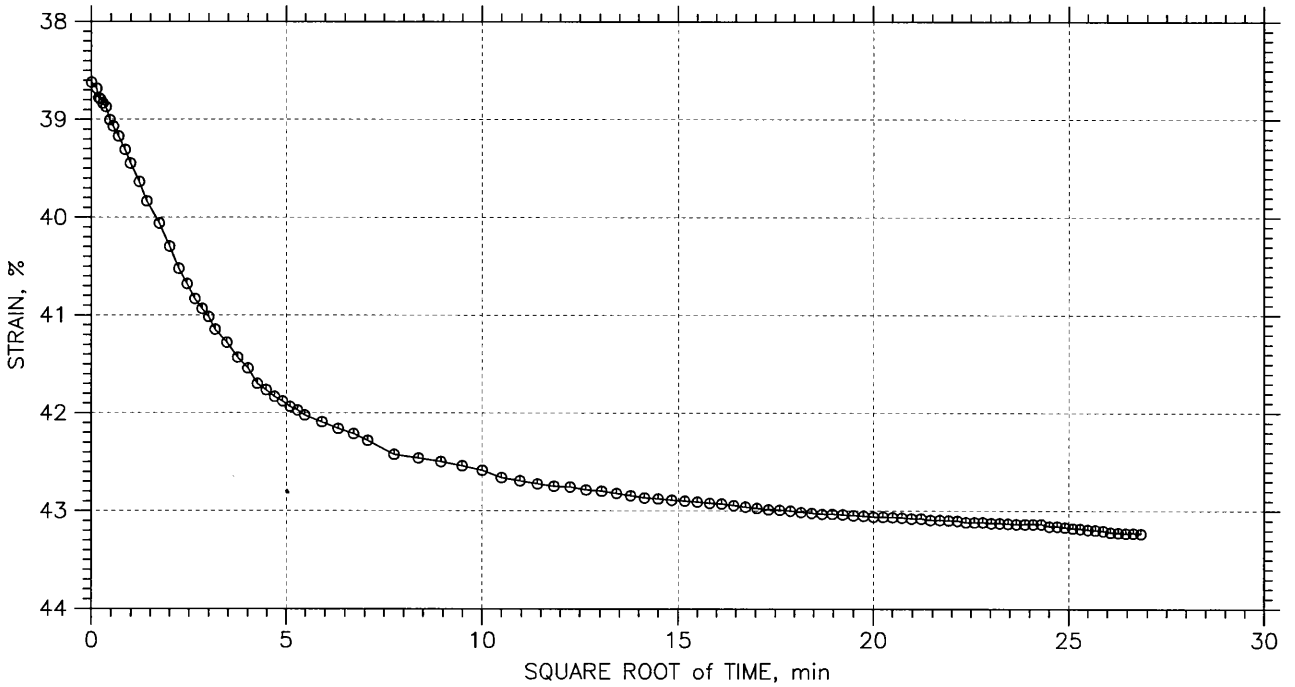
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 8 of 12

Stress: 16 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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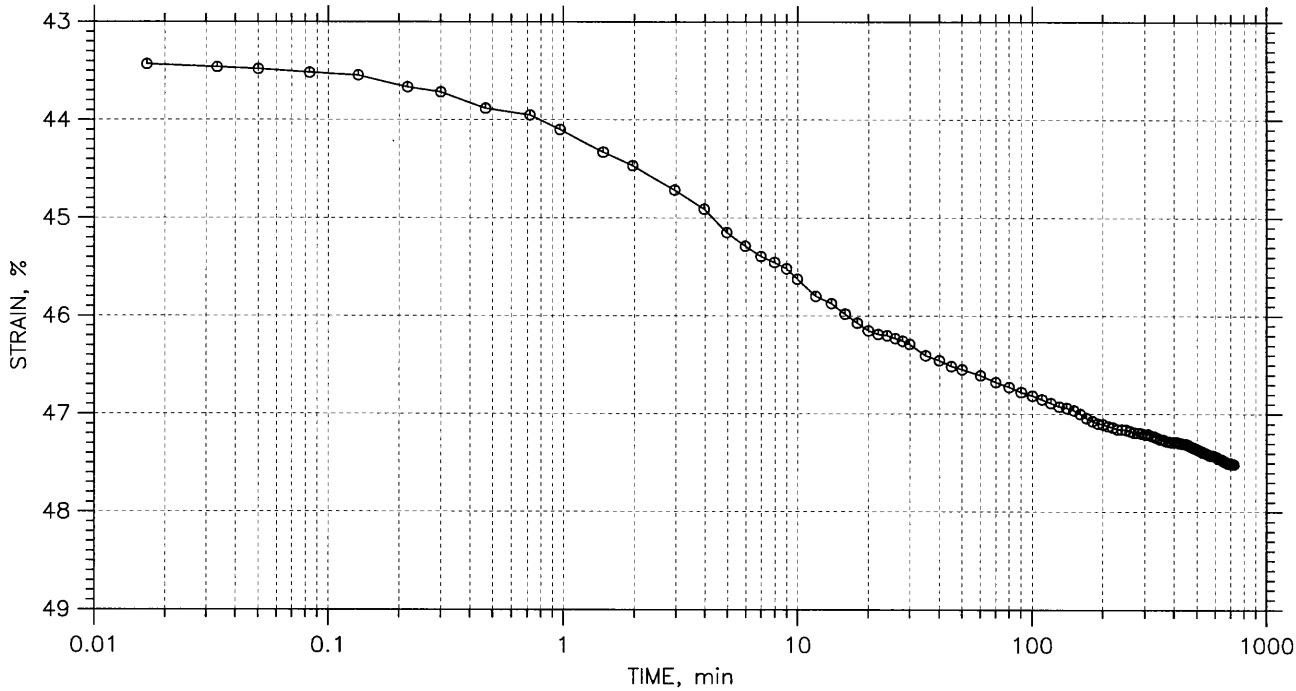
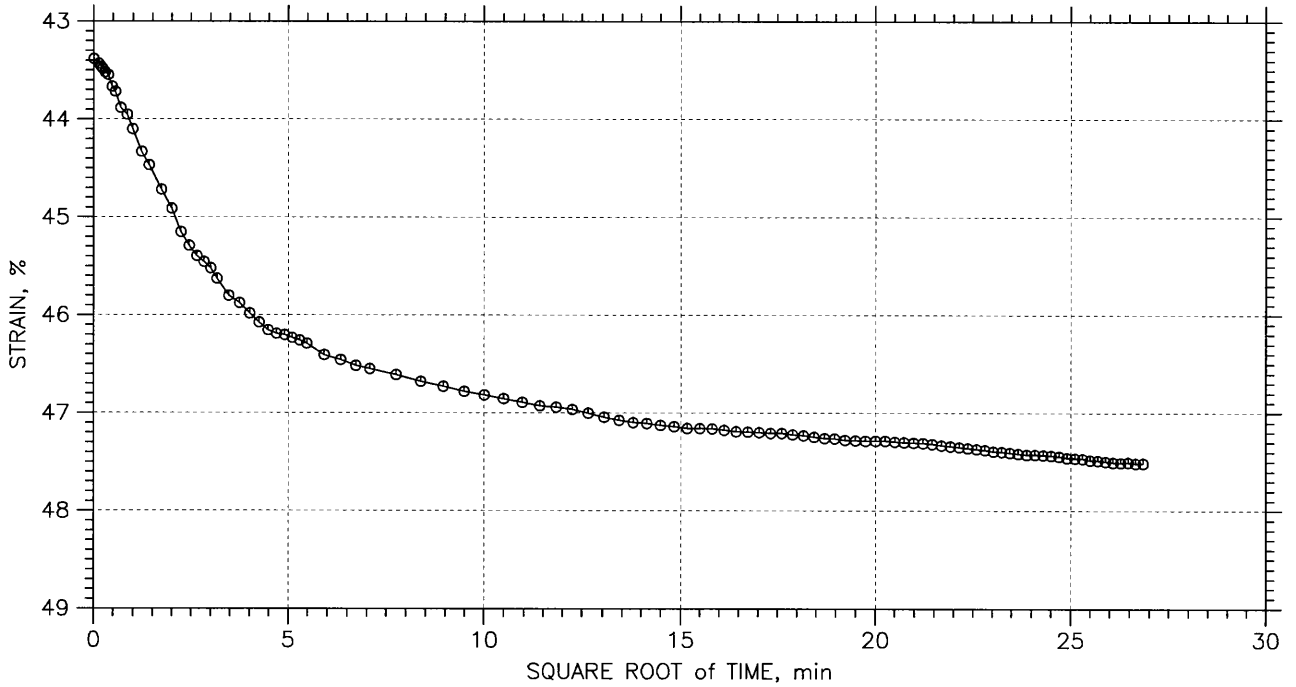
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 9 of 12

Stress: 32 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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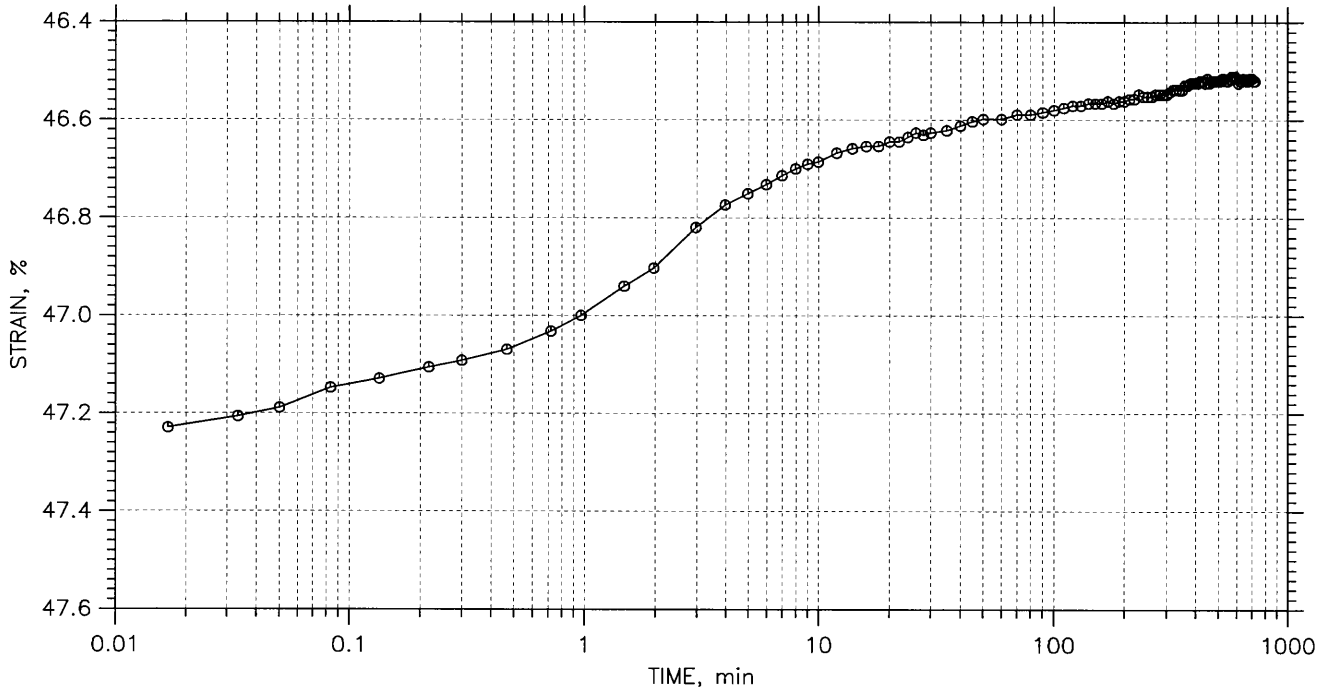
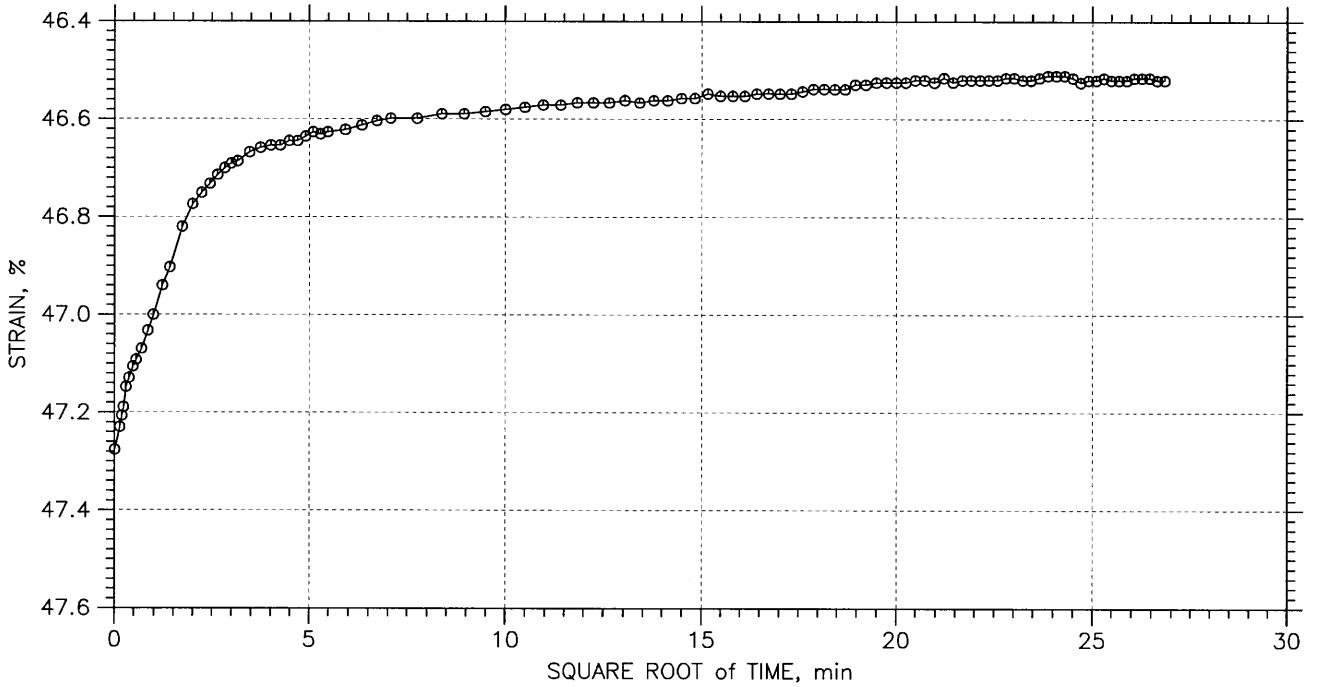
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 10 of 12

Stress: 8 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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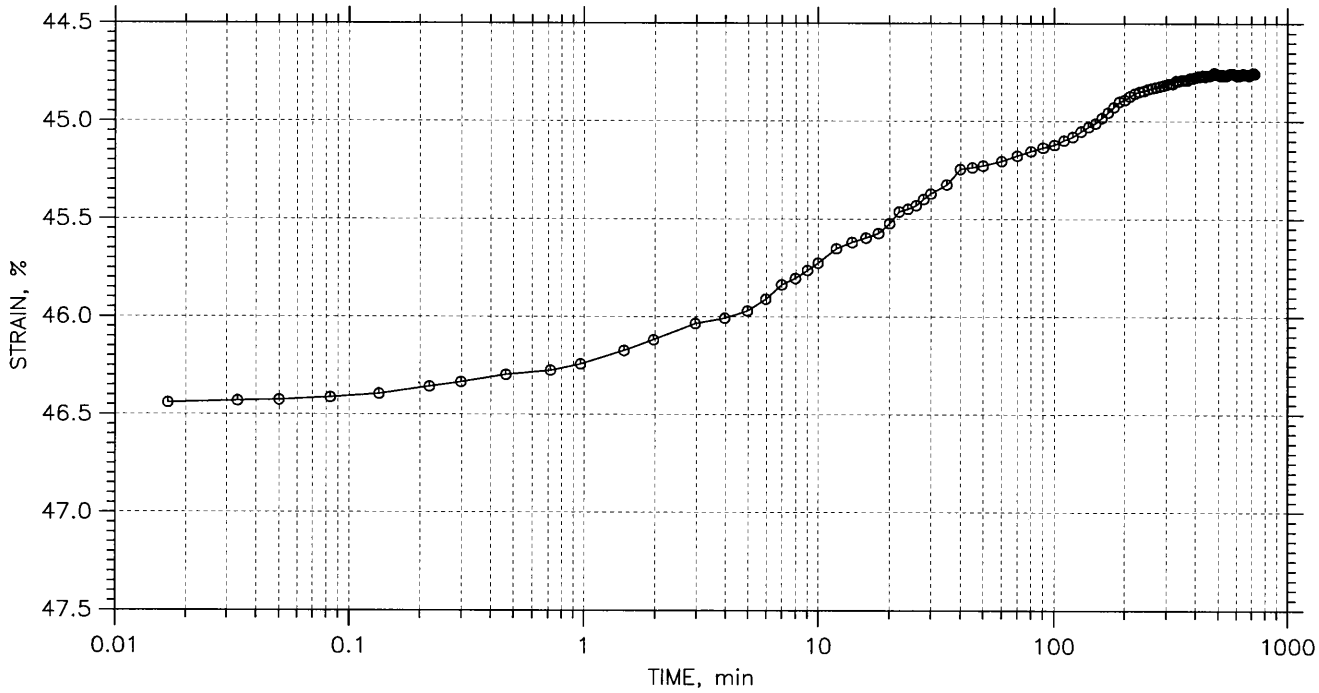
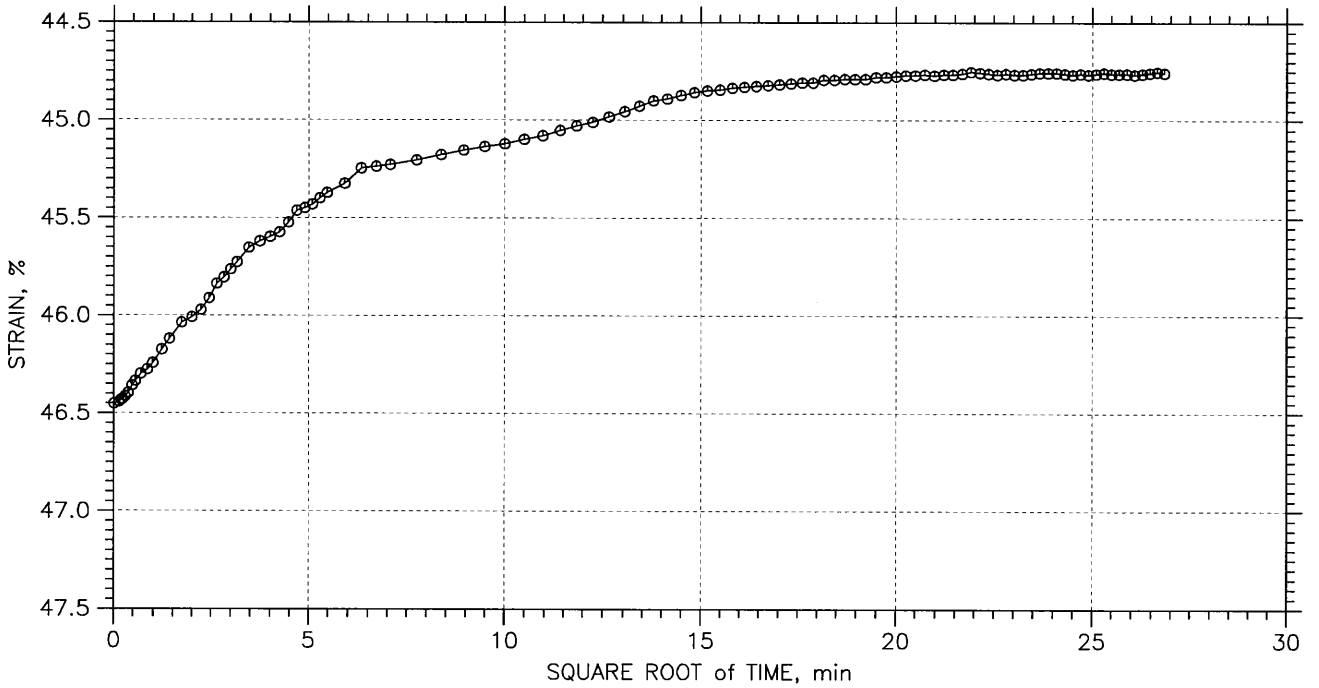
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 11 of 12

Stress: 2 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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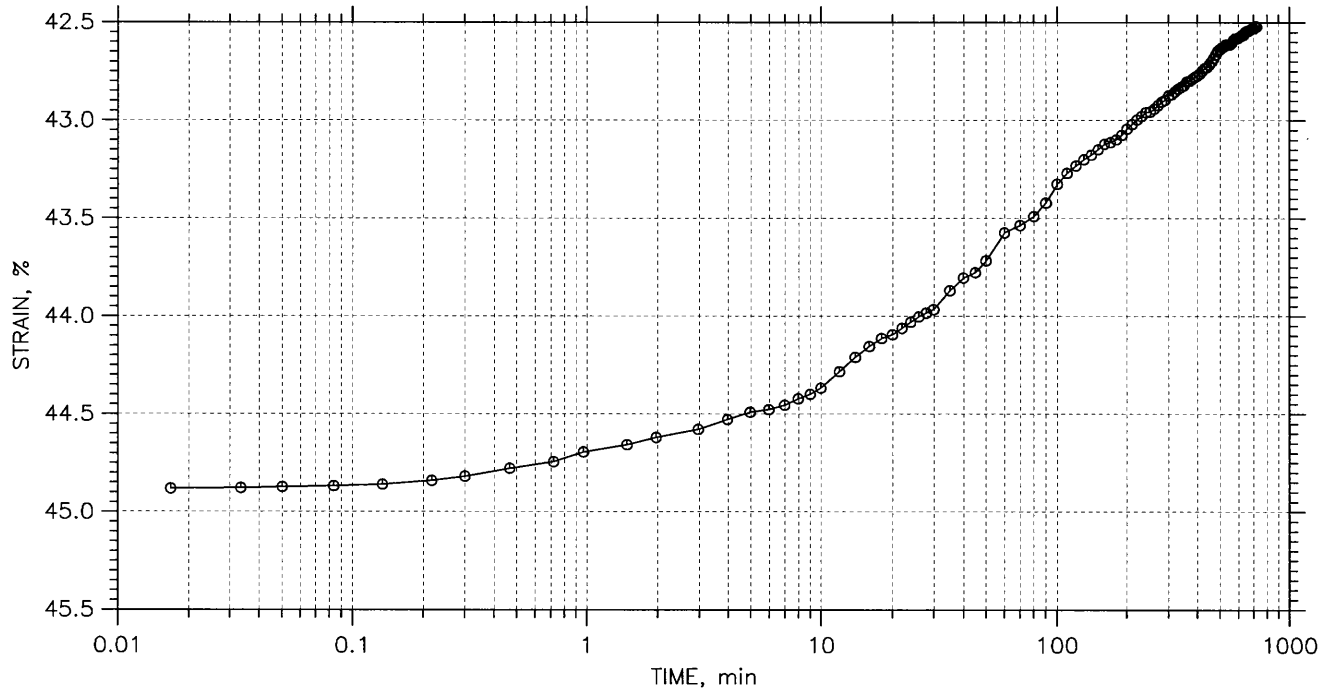
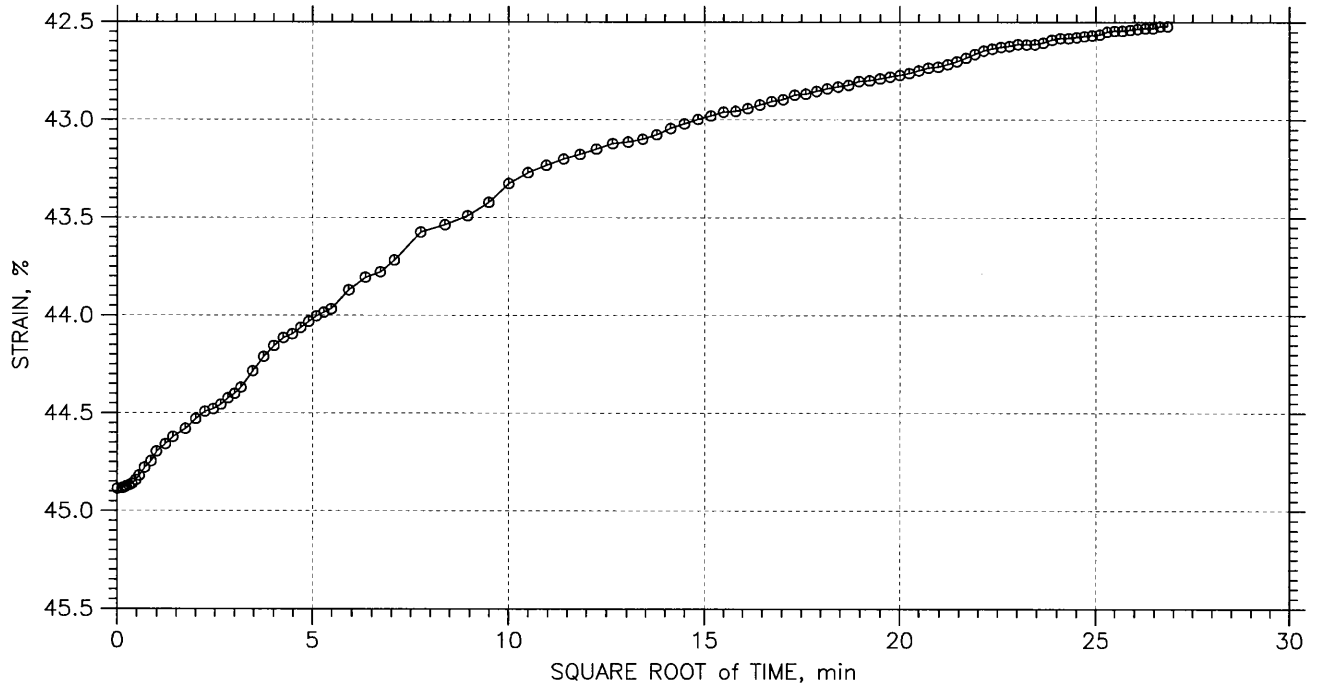
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 12 of 12

Stress: 0.5 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-1	Test Date: 6/04/12	Test No.: IP-3
	Depth: 27-29 ft	Sample Type: intact	Elevation: ---
	Description: Moist, very dark grayish brown clay		
	Remarks: System U		

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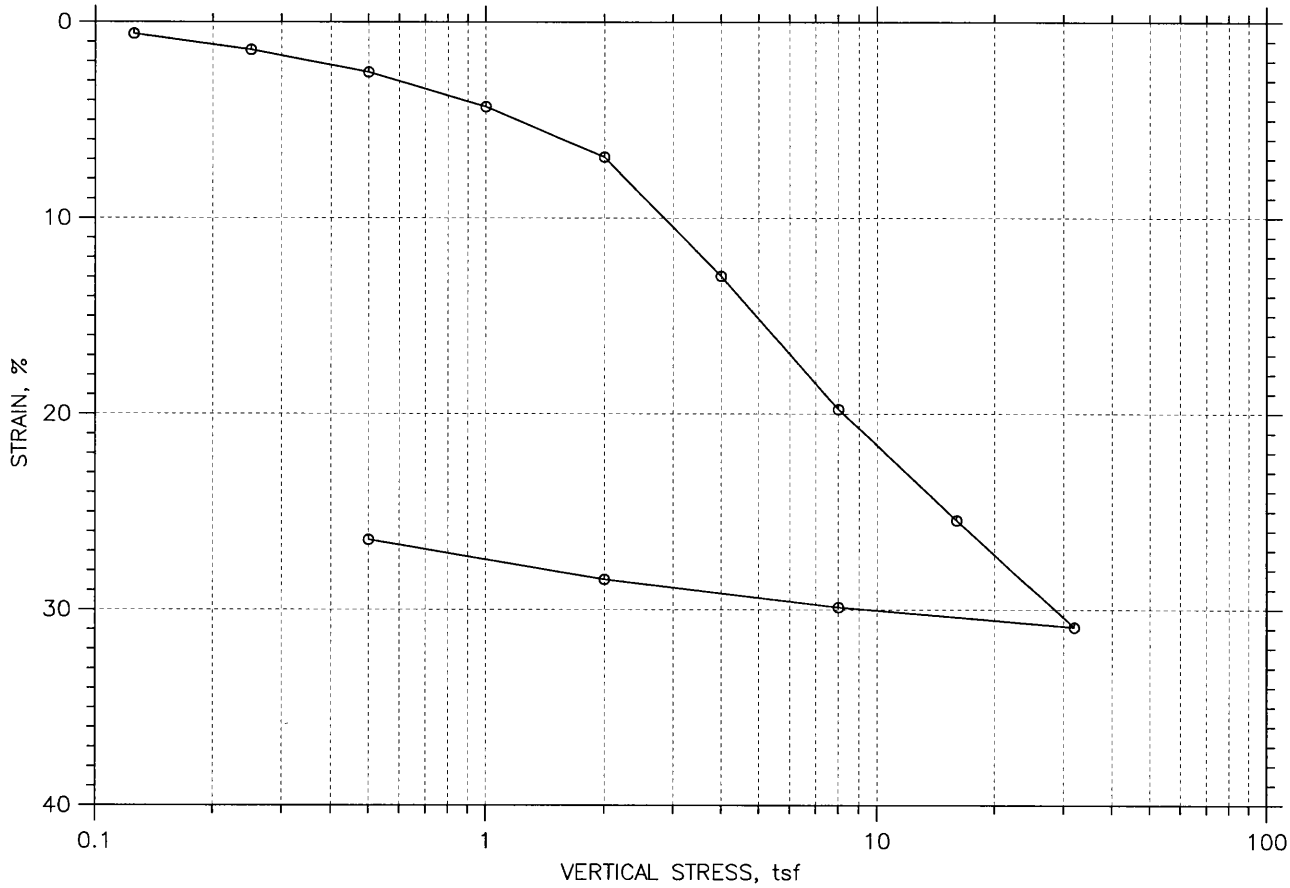
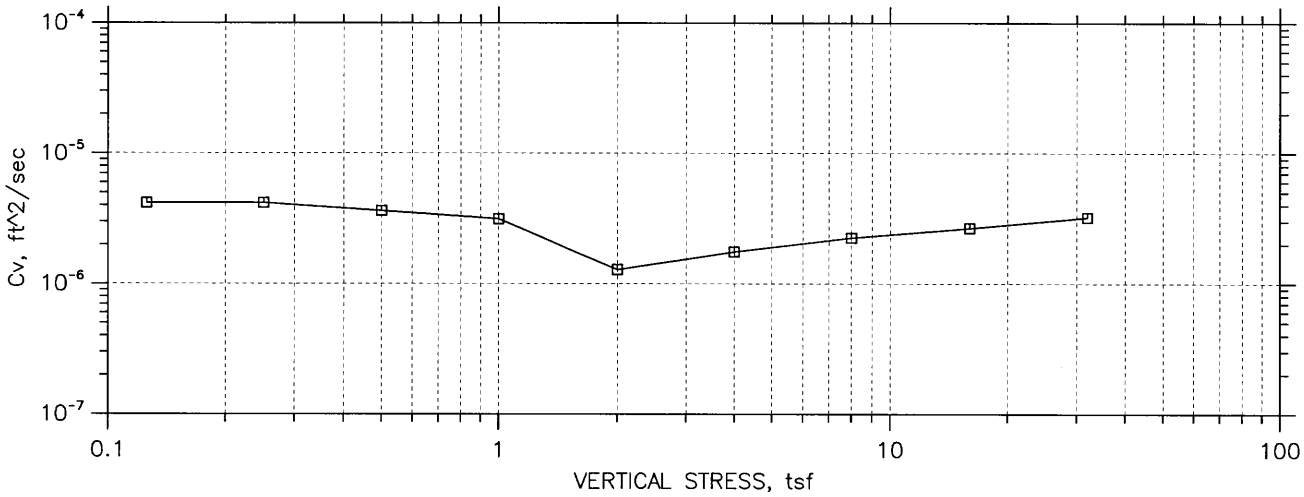
One-Dimensional Consolidation by ASTM D 2435 - Method B

SUMMARY REPORT





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		
	Displacement at End of Increment		

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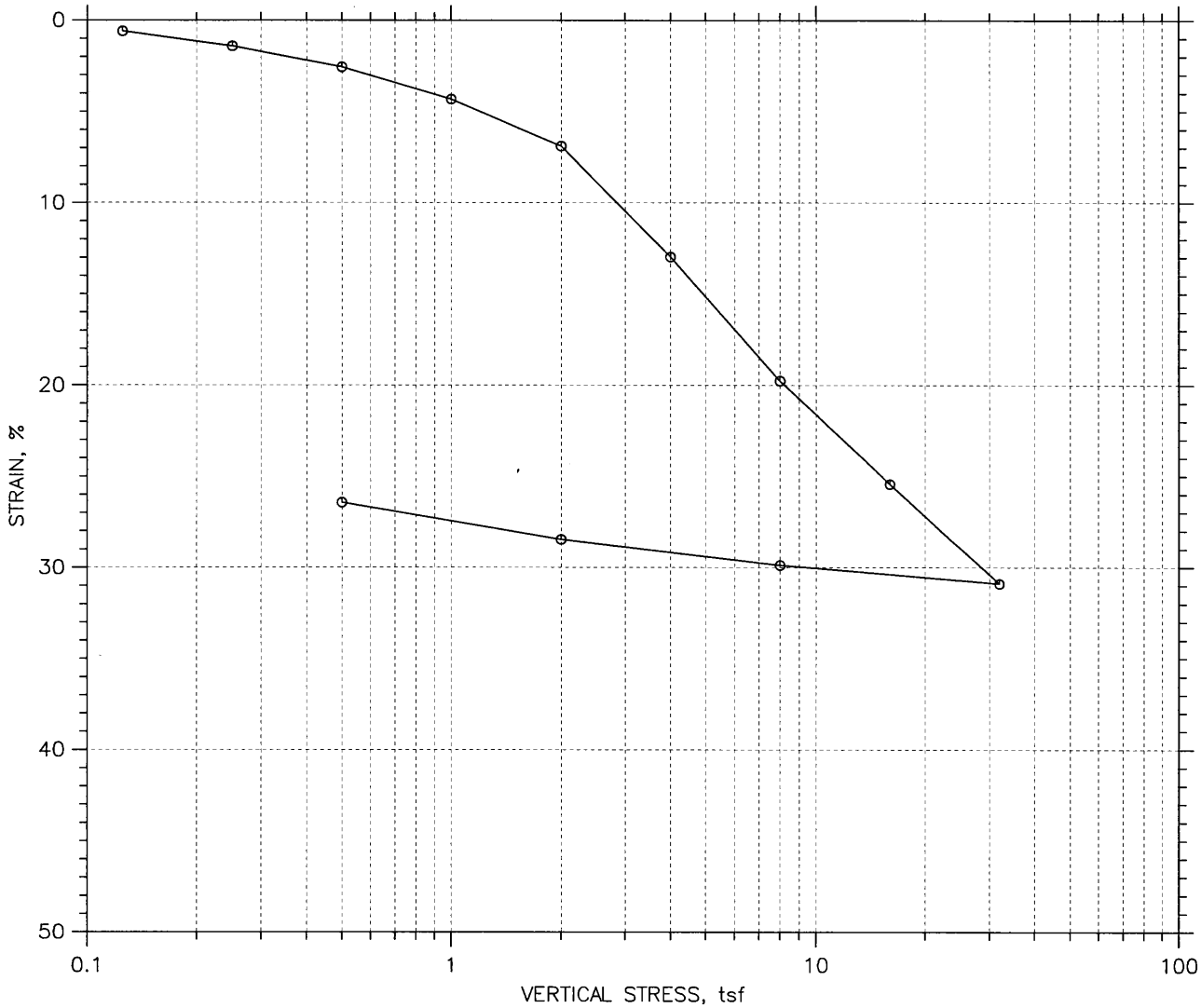
One-Dimensional Consolidation by ASTM D 2435 - Method B

SUMMARY REPORT



					Before Test	After Test
Overburden Pressure: ---				Water Content, %	54.73	31.71
Preconsolidation Pressure: ---				Dry Unit Weight, pcf	67.958	93.606
Compression Index: ---				Saturation, %	96.22	100.00
Diameter: 2.5 in		Height: 1 in		Void Ratio	1.63	0.91
LL: 55	PL: 23	PI: 32	GS: 2.86			

GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		
	Displacement at End of Increment		

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One-Dimensional Consolidation by ASTM D 2435 - Method B

Project: 551 W. 21st Street
Boring No.: B-11
Sample No.: UD-3
Test No.: IP-1

Location: Manhatten, NY
Tested By: md
Test Date: 6/02/12
Sample Type: intact

Project No.: GTX-11889
Checked By: jdt
Depth: 40-42 ft
Elevation: ---

Soil Description: Moist, gray clay
Remarks: System U

Estimated Specific Gravity: 2.86
Initial Void Ratio: 1.63
Final Void Ratio: 0.906

Liquid Limit: 55
Plastic Limit: 23
Plasticity Index: 32

Specimen Diameter: 2.50 in
Initial Height: 1.00 in
Final Height: 0.73 in

	Before Consolidation		After Consolidation	
	Trimmings	Specimen+Ring	Specimen+Ring	Trimmings
Container ID	8549	RING		8551
Wt. Container + Wet Soil, gm	143.81	244.66	224.50	123.35
Wt. Container + Dry Soil, gm	98.260	196.73	196.73	95.650
Wt. Container, gm	8.3100	109.17	109.17	8.2900
Wt. Dry Soil, gm	89.950	87.565	87.565	87.360
Water Content, %	50.64	54.73	31.71	31.71
Void Ratio	---	1.63	0.906	---
Degree of Saturation, %	---	96.22	100.00	---
Dry Unit Weight, pcf	---	67.958	93.606	---

Note: Specific Gravity and Void Ratios are calculated assuming the degree of saturation equals 100% at the end of the test. Therefore, values may not represent actual values for the specimen.

One-Dimensional Consolidation by ASTM D 2435 - Method B

Project: 551 W. 21st Street
Boring No.: B-11
Sample No.: UD-3
Test No.: IP-1

Location: Manhatten, NY
Tested By: md
Test Date: 6/02/12
Sample Type: intact

Project No.: GTX-11889
Checked By: jdt
Depth: 40-42 ft
Elevation: ---

Soil Description: Moist, gray clay
Remarks: System U
Displacement at End of Increment

	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	Sq.Rt T90 min	Cv ft^2/sec	Mv 1/tsf	k ft/day
1	0.125	0.005946	1.61	0.595	4.235	5.76e-006	4.76e-002	7.39e-004
2	0.250	0.01410	1.59	1.41	3.909	6.15e-006	6.52e-002	1.08e-003
3	0.500	0.02559	1.56	2.56	6.491	3.63e-006	4.60e-002	4.50e-004
4	1.00	0.04319	1.51	4.32	8.836	2.59e-006	3.52e-002	2.46e-004
5	2.00	0.06884	1.45	6.88	17.150	1.27e-006	2.56e-002	8.82e-005
6	4.00	0.1296	1.29	13.0	15.082	1.32e-006	3.04e-002	1.08e-004
7	8.00	0.1976	1.11	19.8	9.504	1.81e-006	1.70e-002	8.28e-005
8	16.0	0.2543	0.958	25.4	6.845	2.15e-006	7.09e-003	4.11e-005
9	32.0	0.3089	0.815	30.9	5.845	2.17e-006	3.41e-003	1.99e-005
10	8.00	0.2987	0.841	29.9	4.992	2.38e-006	4.23e-004	2.72e-006
11	2.00	0.2845	0.879	28.5	13.908	8.85e-007	2.37e-003	5.66e-006
12	0.500	0.2643	0.932	26.4	34.744	3.72e-007	1.35e-002	1.35e-005

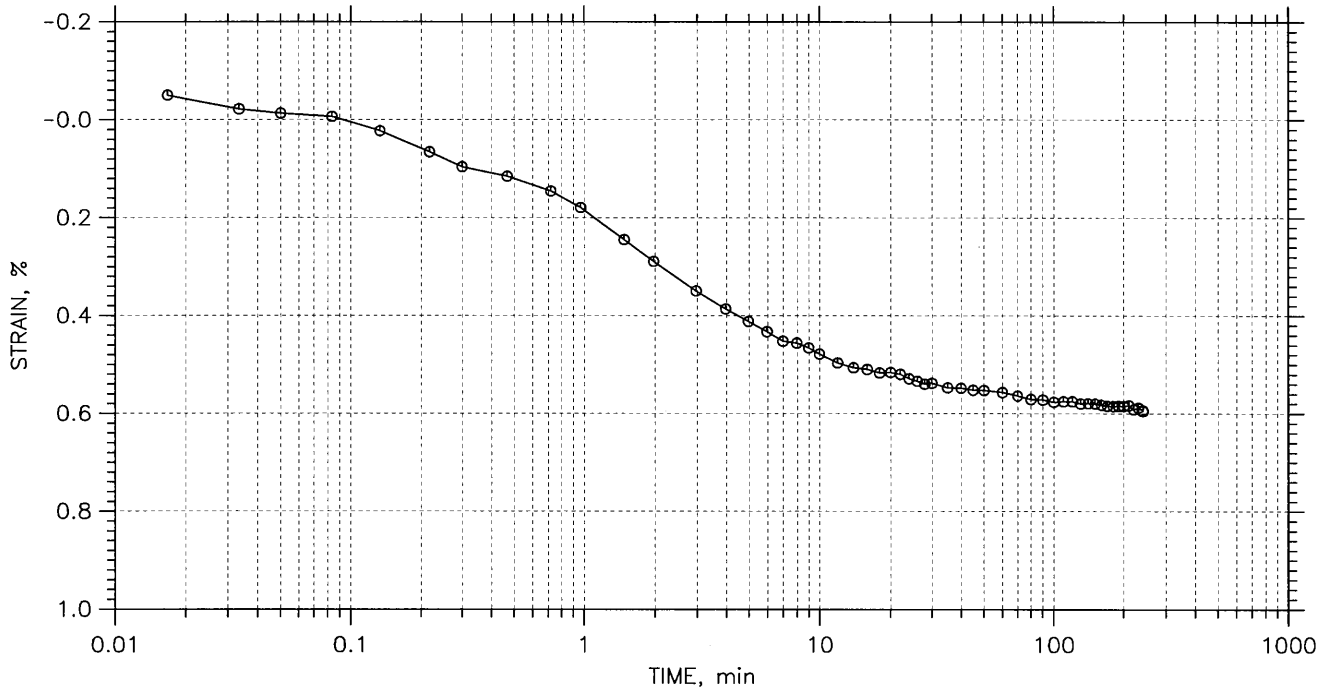
	Applied Stress tsf	Final Displacement in	Void Ratio	Strain at End %	Log T50 min	Cv ft^2/sec	Mv 1/tsf	k ft/day	Ca %
1	0.125	0.005946	1.61	0.595	1.588	3.57e-006	4.76e-002	4.58e-004	0.00e+000
2	0.250	0.01410	1.59	1.41	1.616	3.46e-006	6.52e-002	6.08e-004	0.00e+000
3	0.500	0.02559	1.56	2.56	0.000	0.00e+000	4.60e-002	0.00e+000	0.00e+000
4	1.00	0.04319	1.51	4.32	0.000	0.00e+000	3.52e-002	0.00e+000	0.00e+000
5	2.00	0.06884	1.45	6.88	0.000	0.00e+000	2.56e-002	0.00e+000	0.00e+000
6	4.00	0.1296	1.29	13.0	1.942	2.38e-006	3.04e-002	1.95e-004	0.00e+000
7	8.00	0.1976	1.11	19.8	1.532	2.60e-006	1.70e-002	1.19e-004	0.00e+000
8	16.0	0.2543	0.958	25.4	1.082	3.16e-006	7.09e-003	6.03e-005	0.00e+000
9	32.0	0.3089	0.815	30.9	0.780	3.77e-006	3.41e-003	3.47e-005	0.00e+000
10	8.00	0.2987	0.841	29.9	0.000	0.00e+000	4.23e-004	0.00e+000	0.00e+000
11	2.00	0.2845	0.879	28.5	0.000	0.00e+000	2.37e-003	0.00e+000	0.00e+000
12	0.500	0.2643	0.932	26.4	8.364	3.59e-007	1.35e-002	1.31e-005	0.00e+000

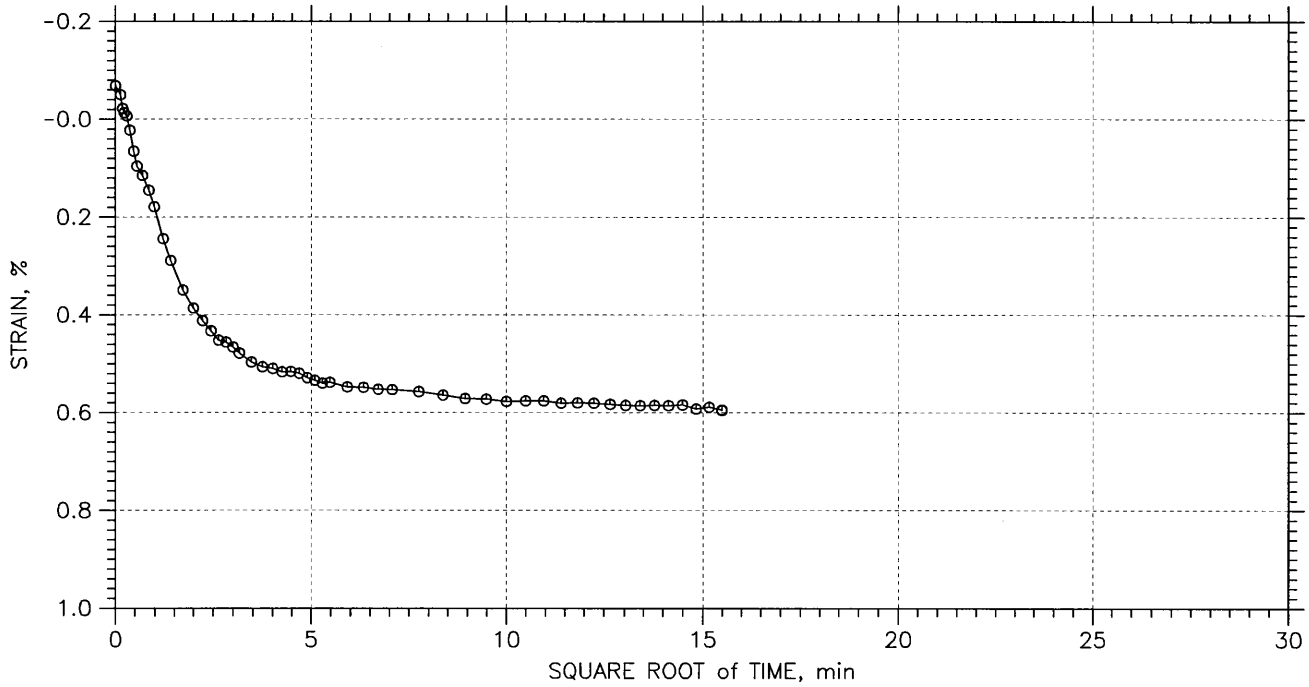
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 1 of 12

Stress: 0.125 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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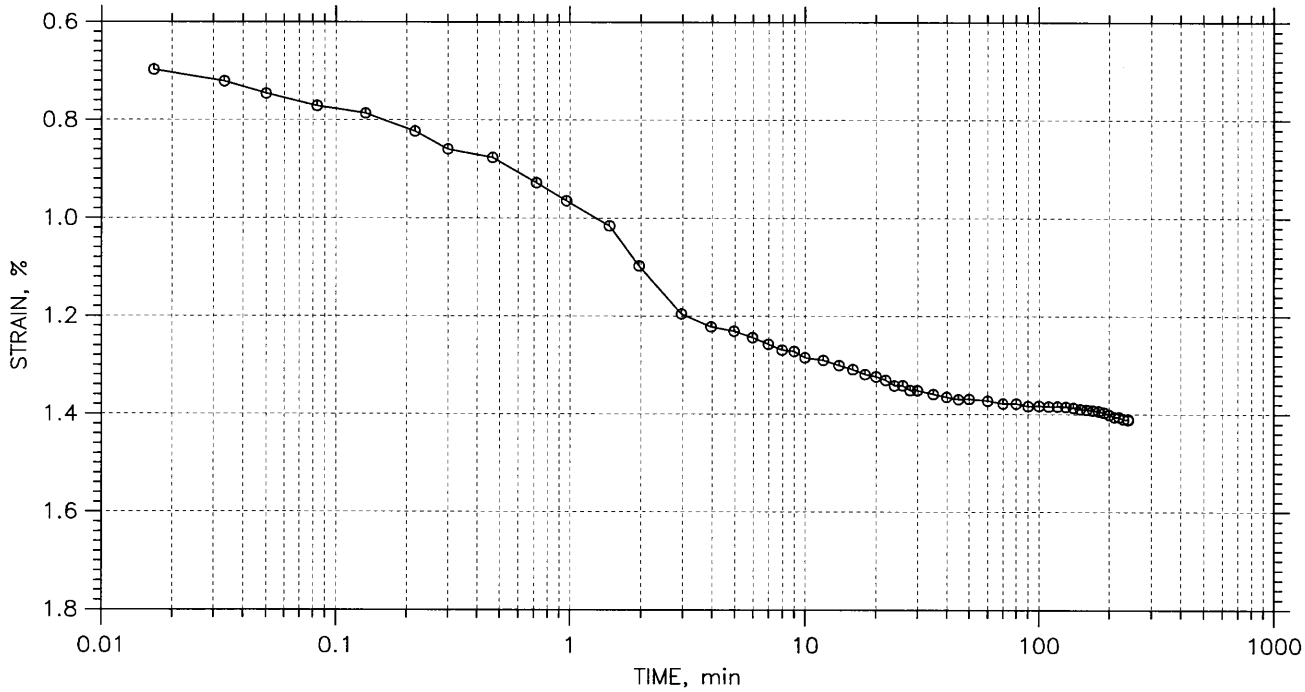
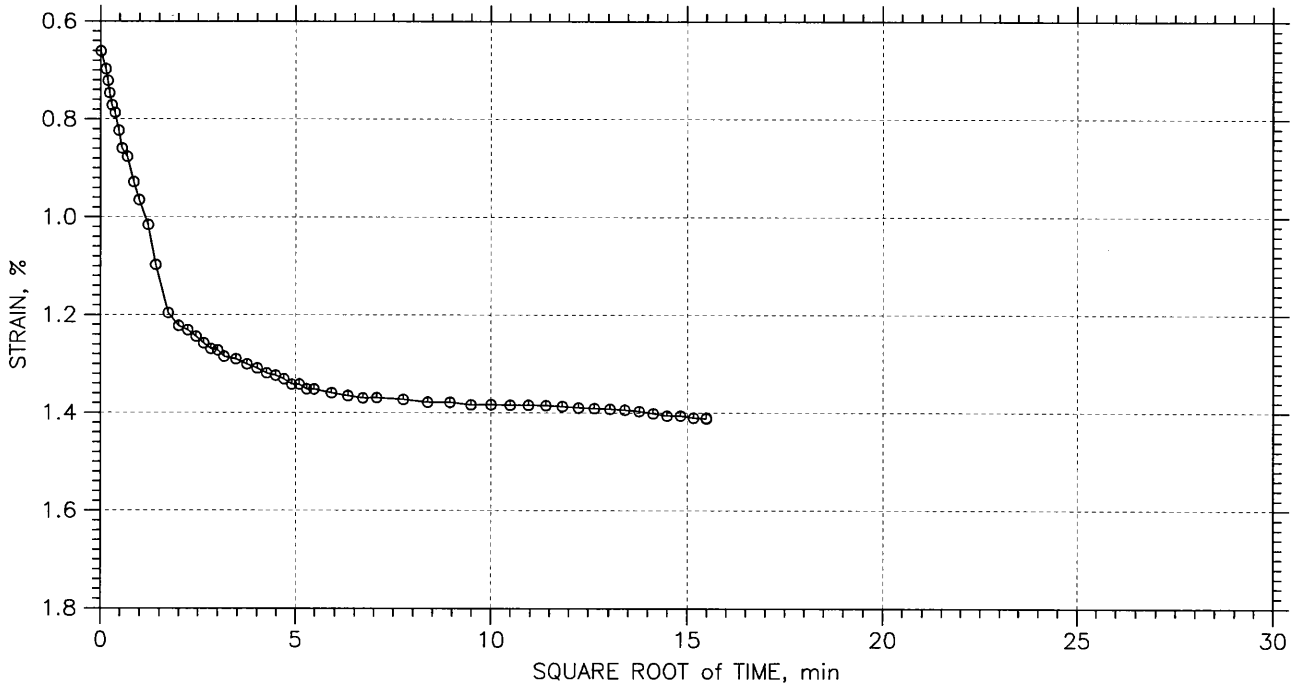
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 2 of 12

Stress: 0.25 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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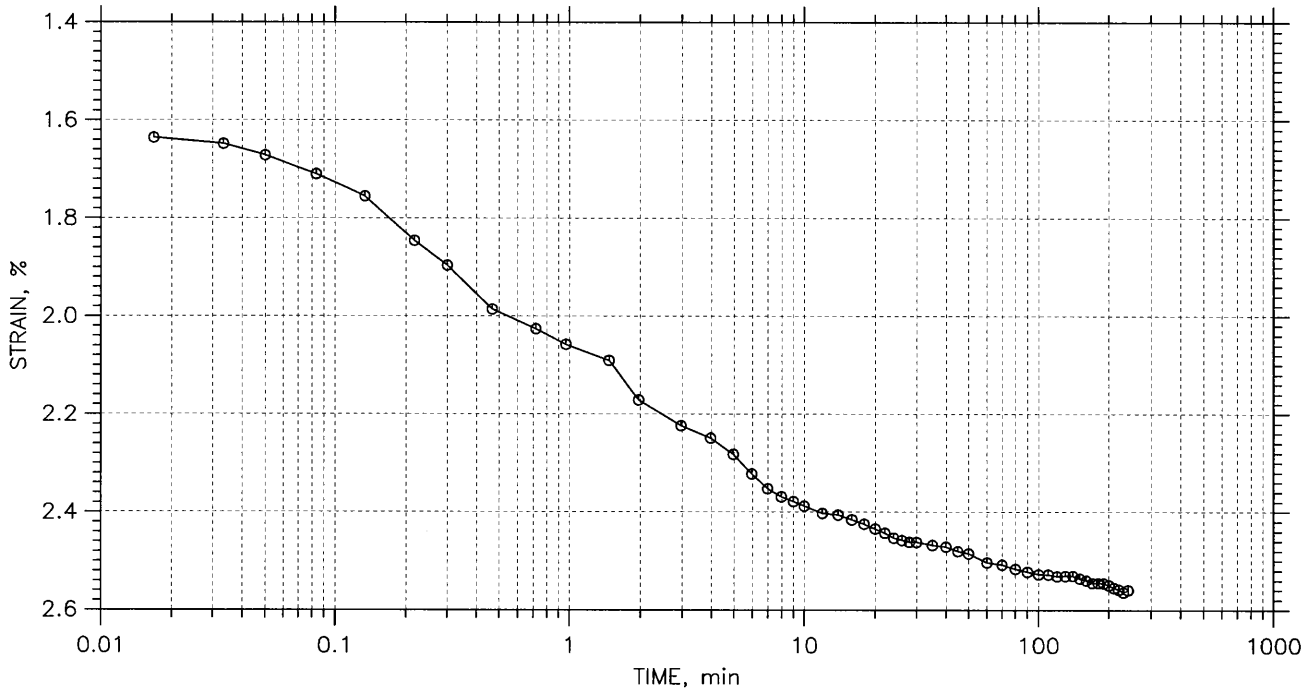
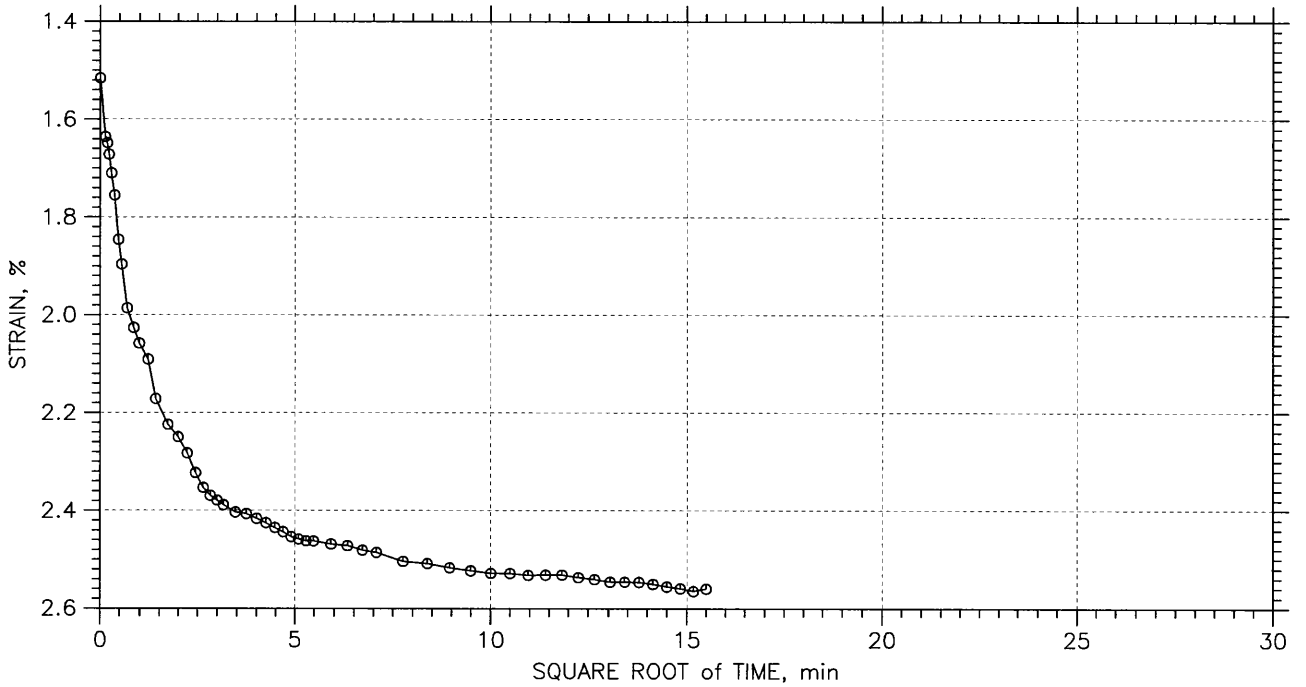
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 3 of 12

Stress: 0.5 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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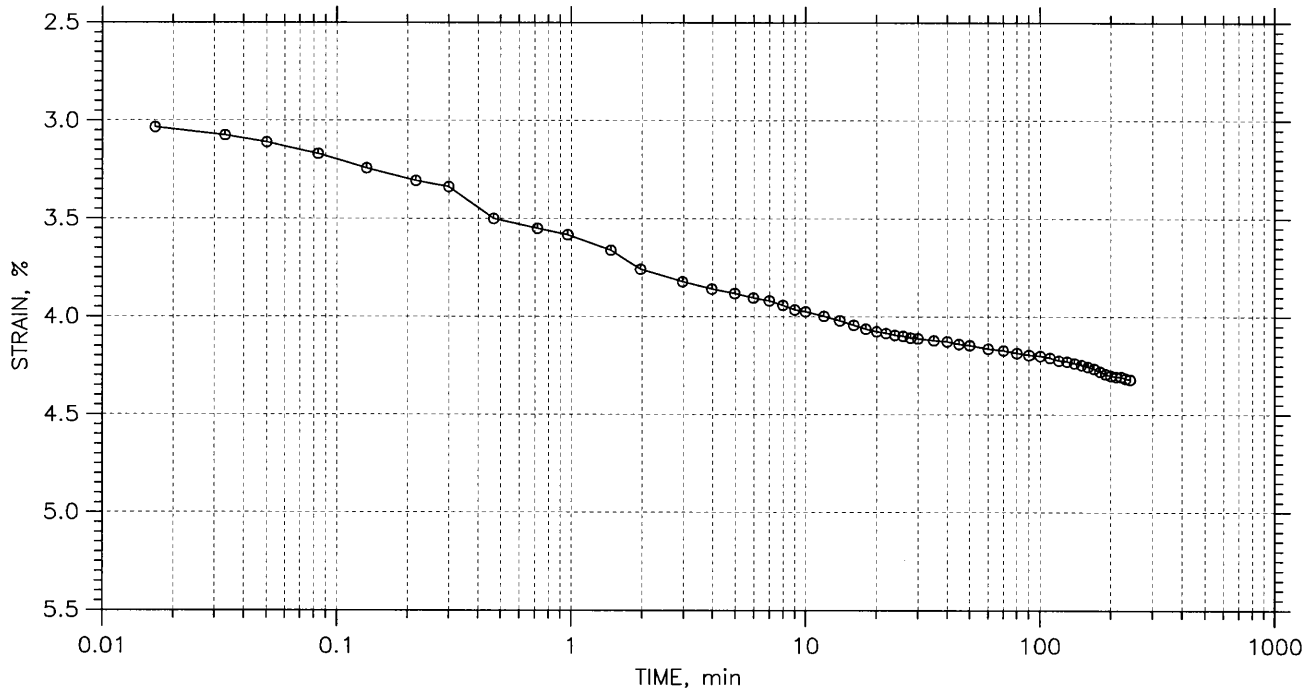
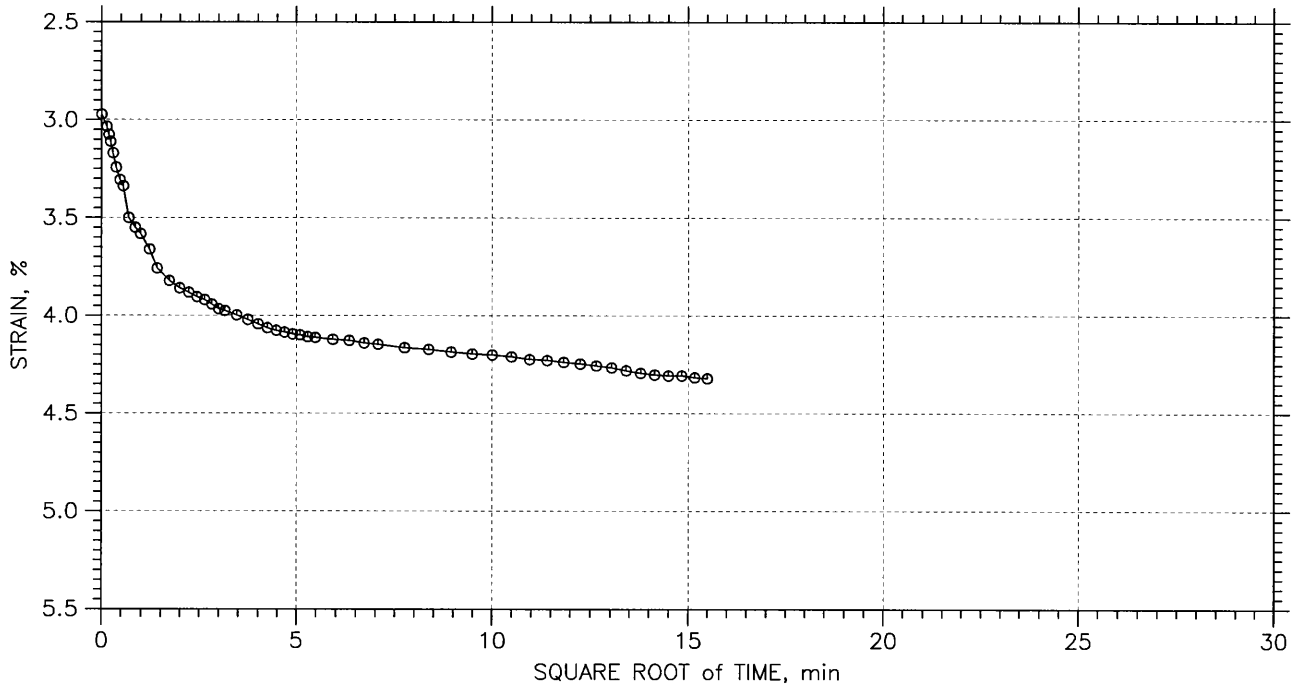
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 4 of 12

Stress: 1 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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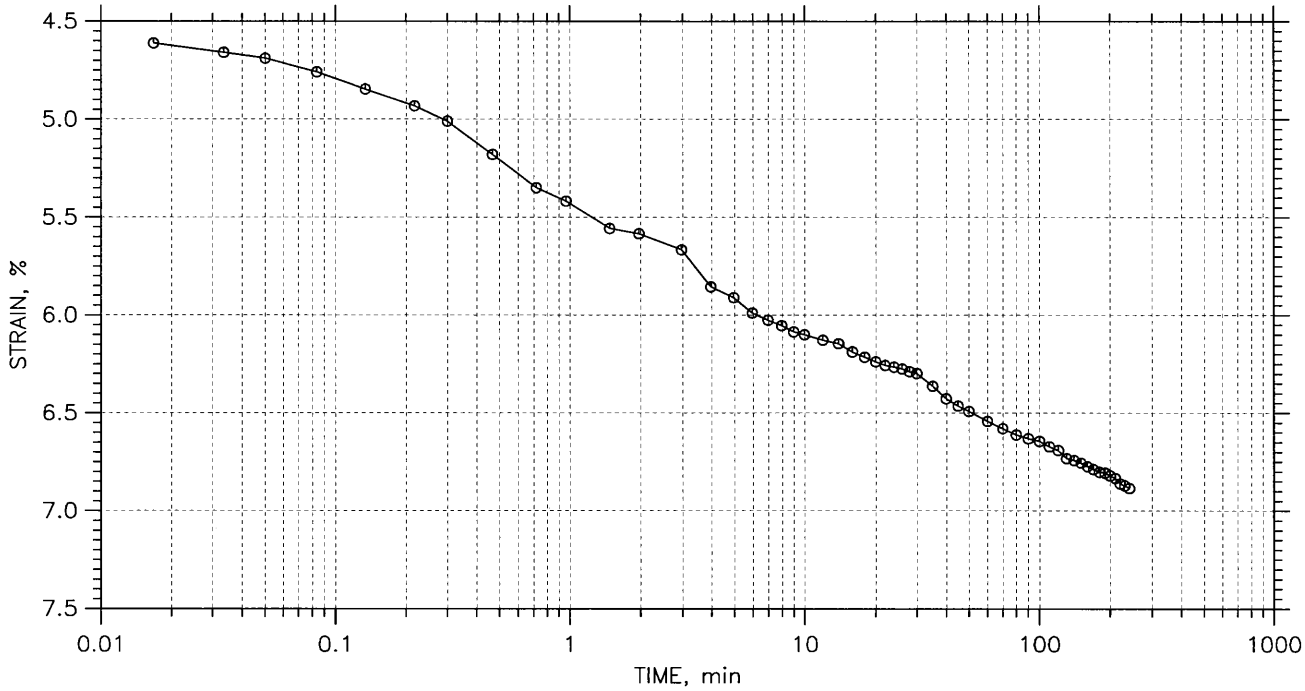
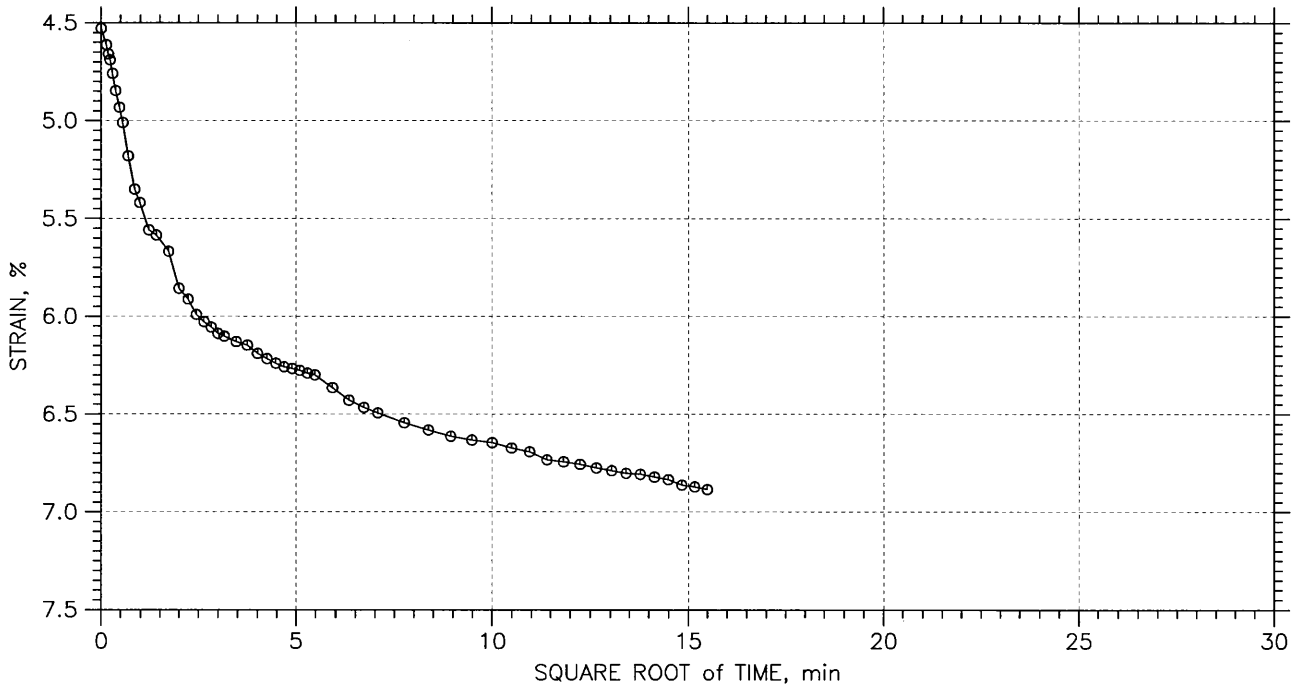
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 5 of 12

Stress: 2 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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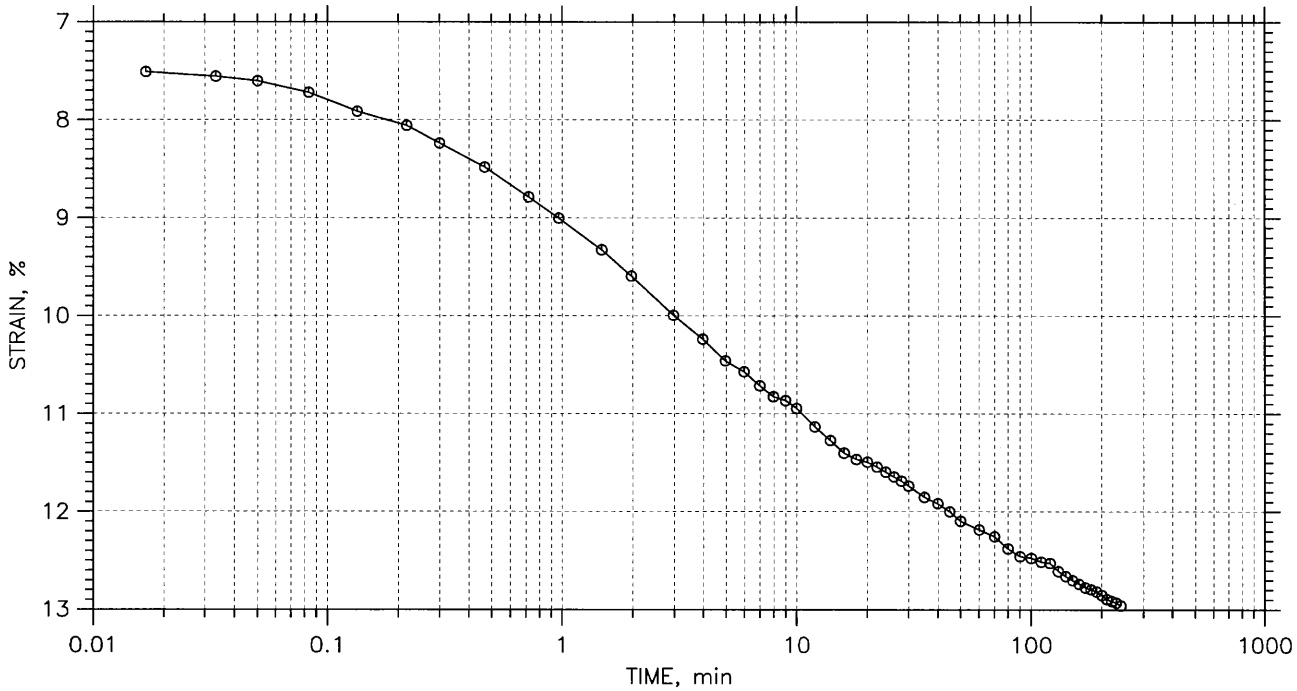
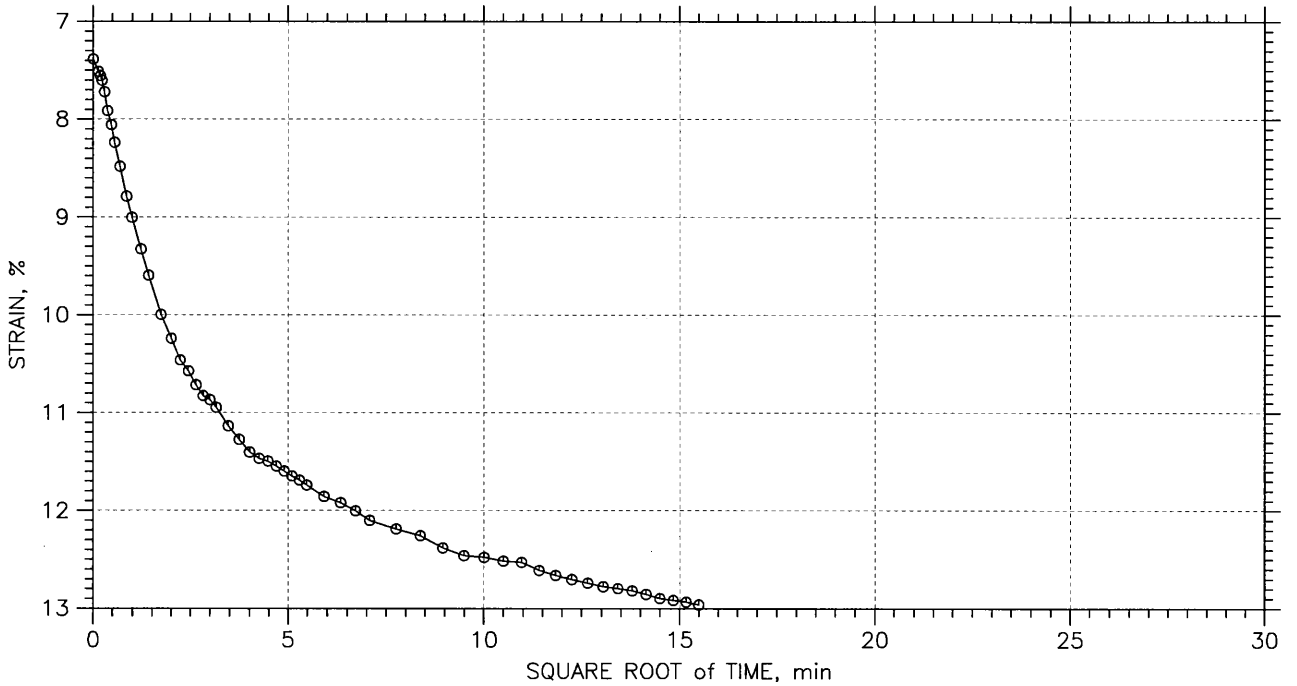
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 6 of 12

Stress: 4 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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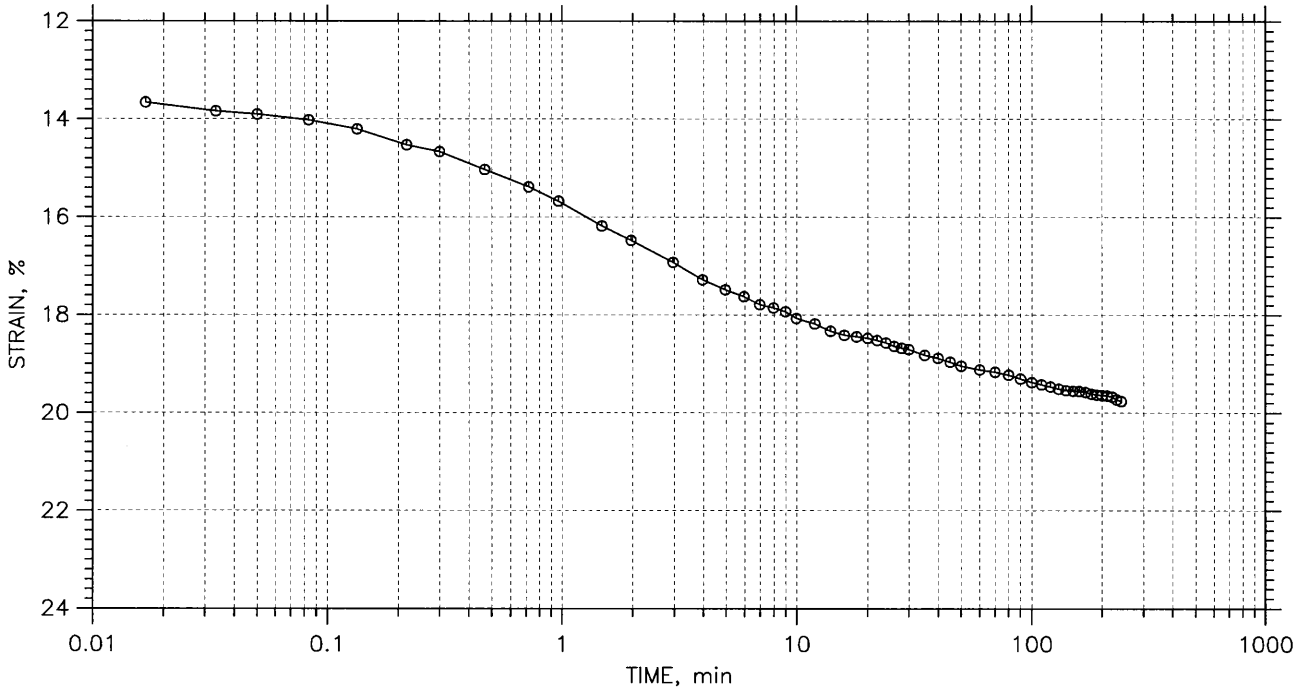
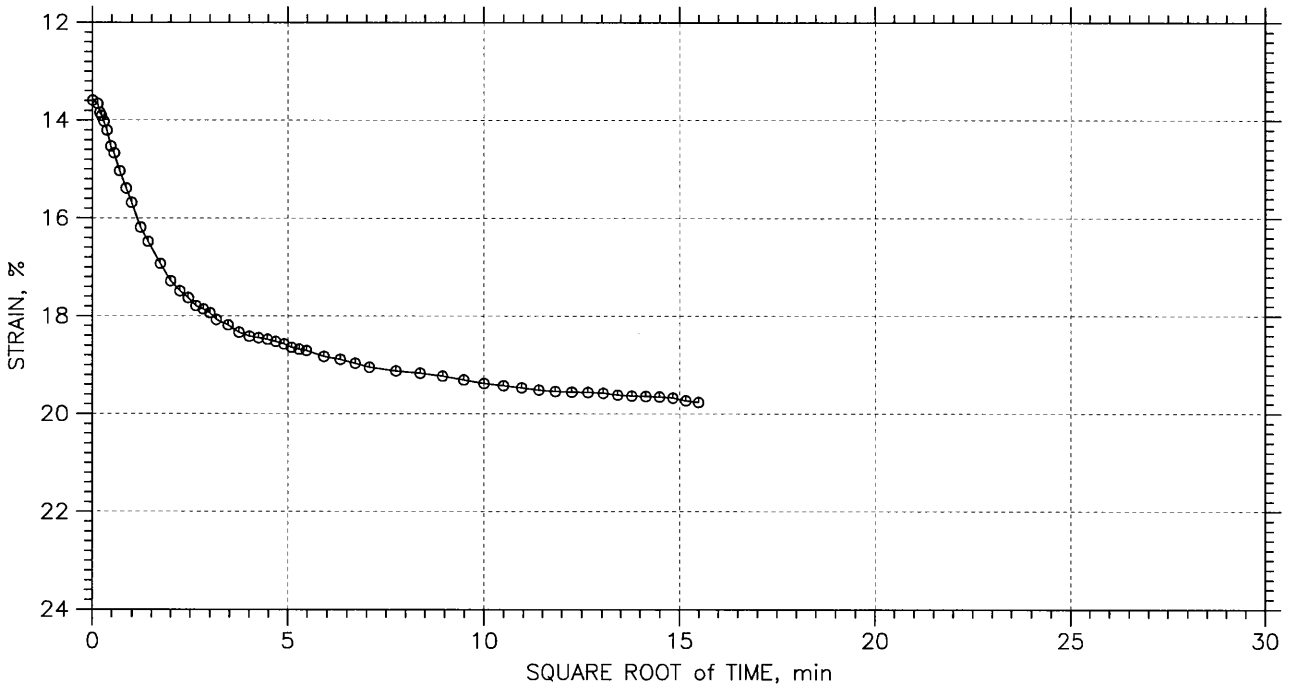
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 7 of 12

Stress: 8 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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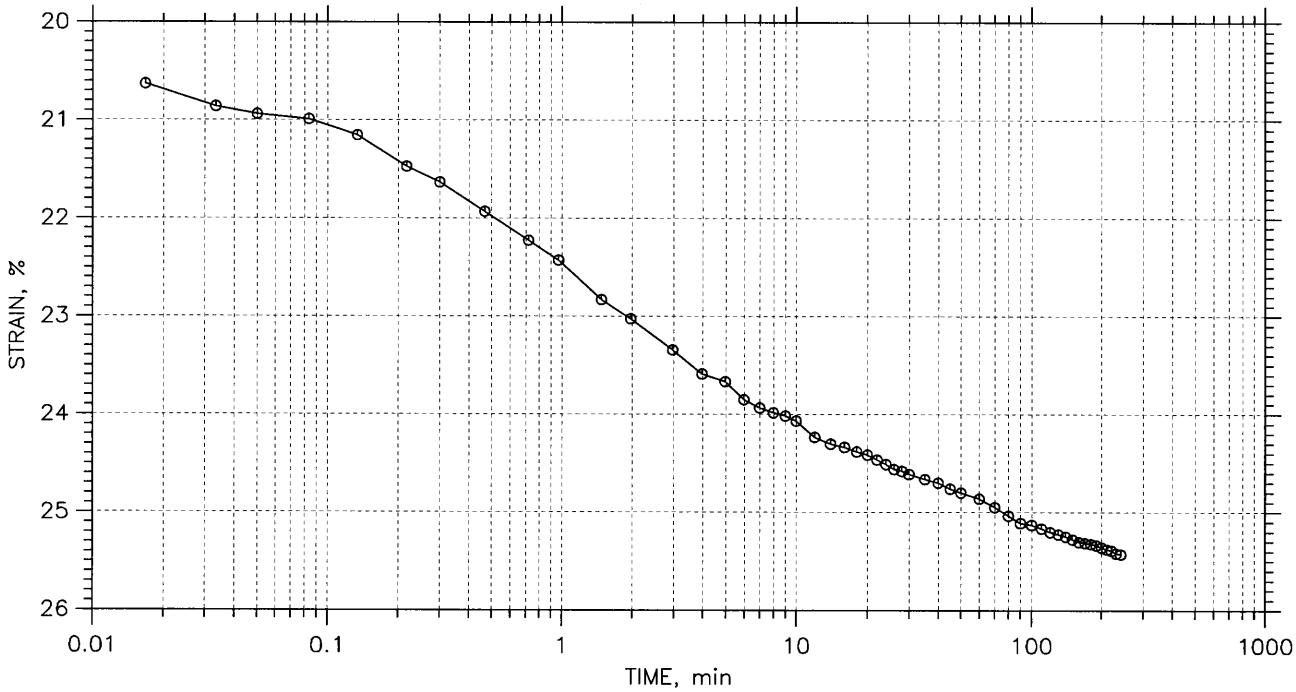
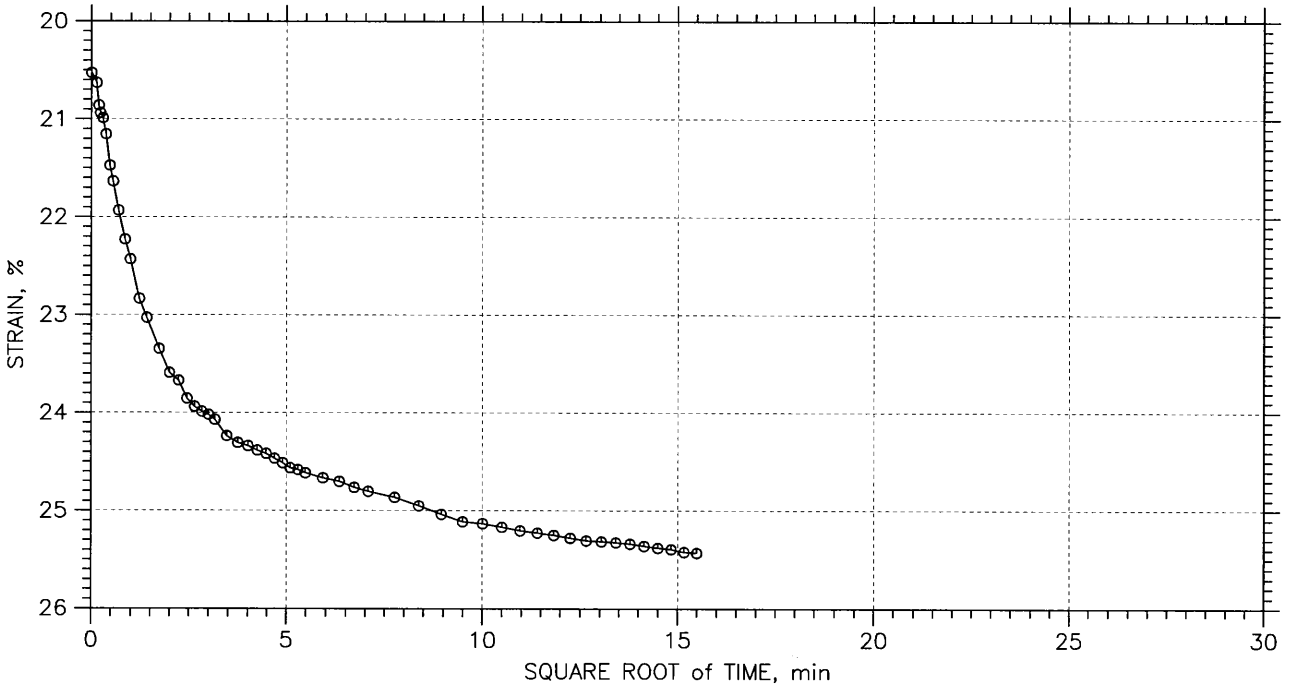
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 8 of 12

Stress: 16 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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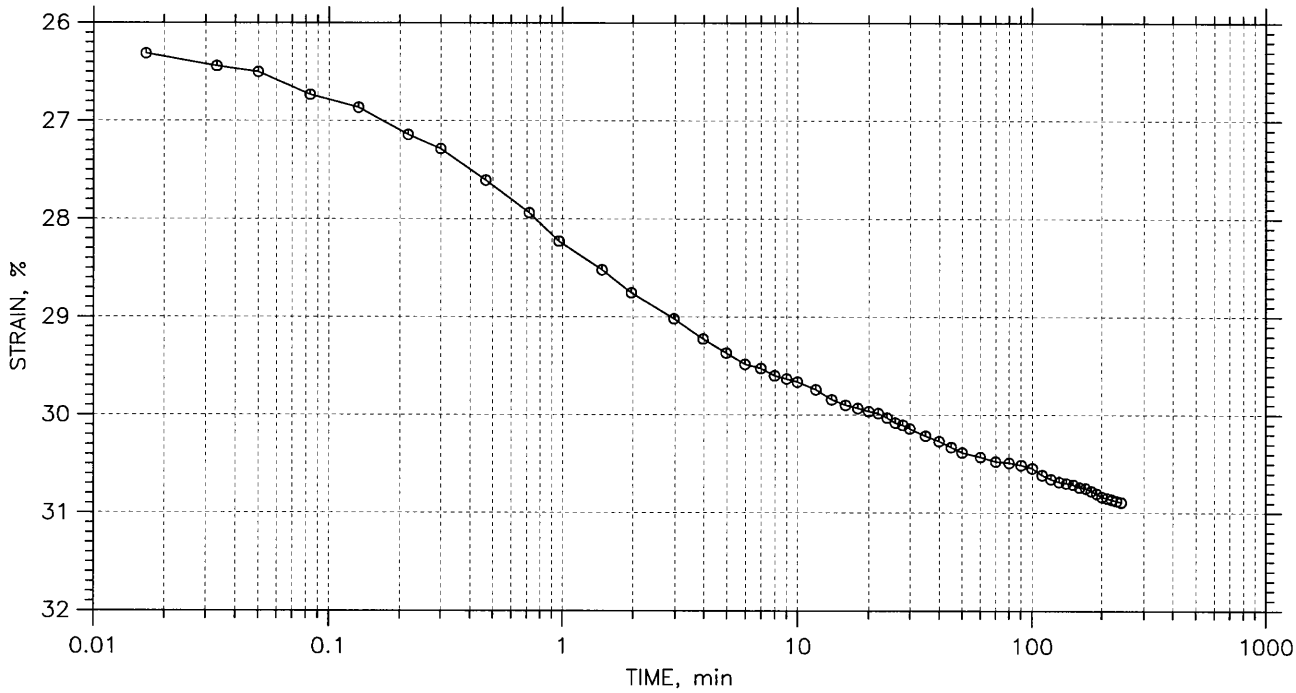
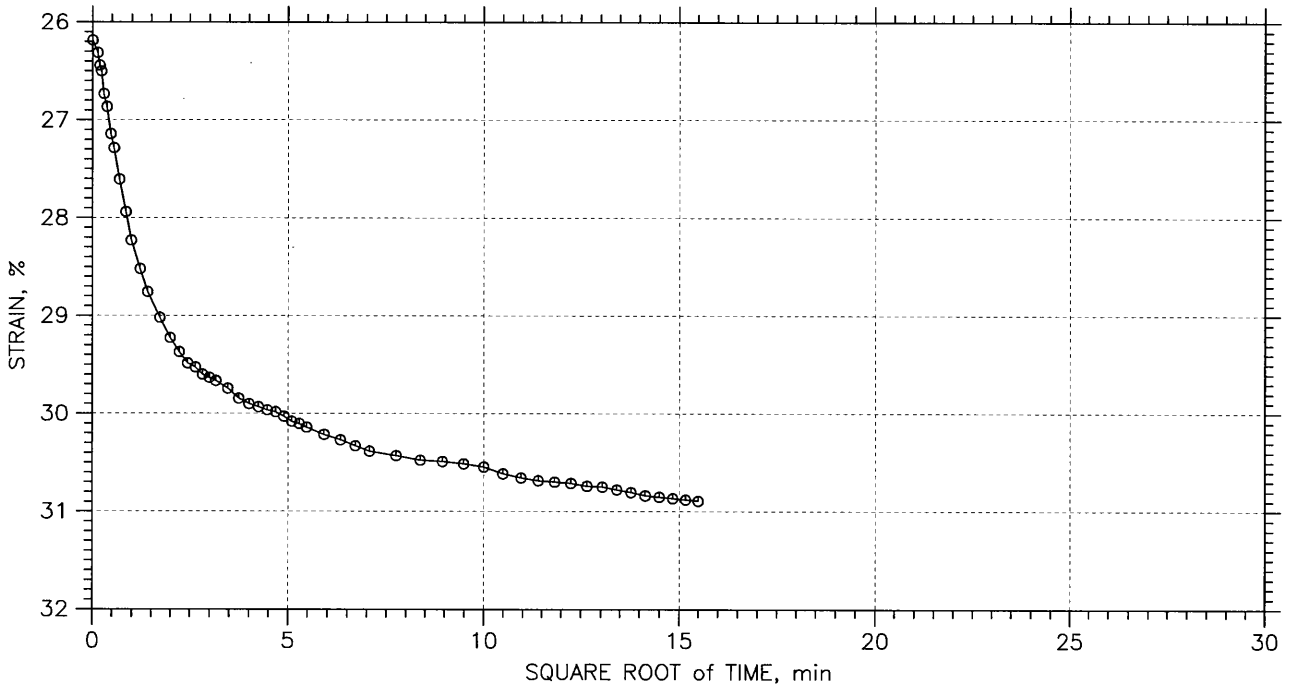
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 9 of 12

Stress: 32 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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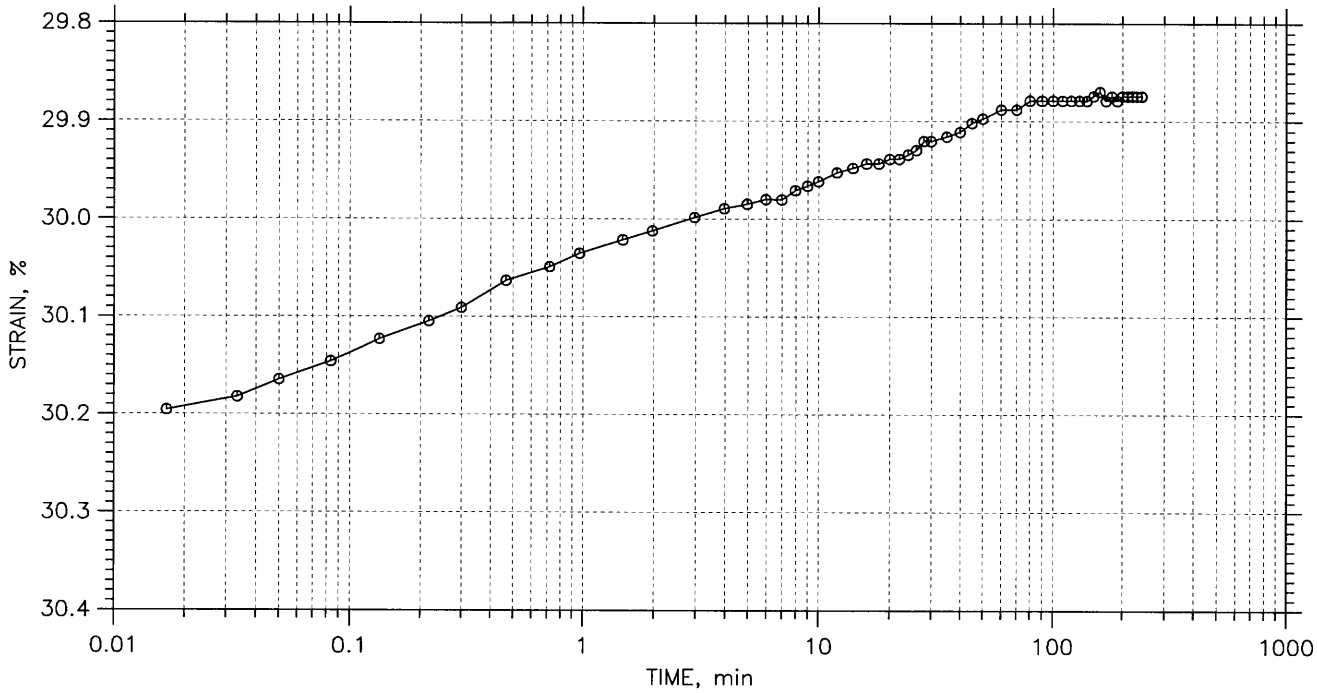
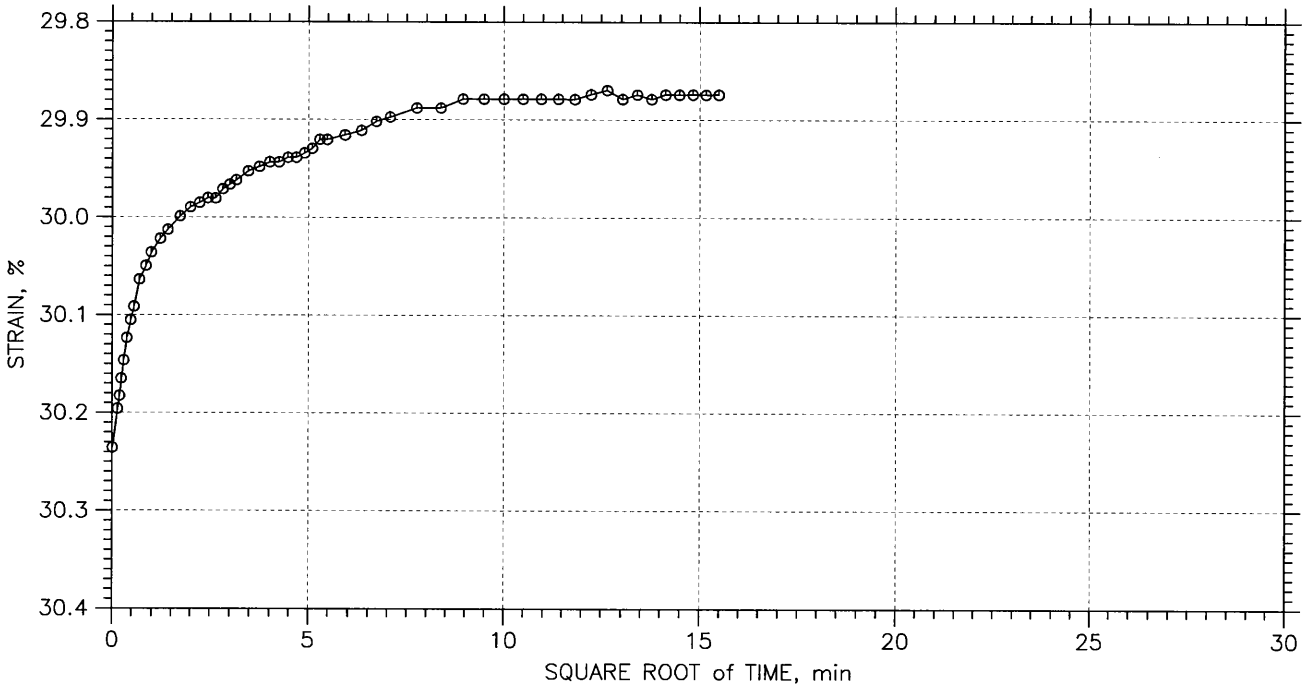
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 10 of 12

Stress: 8 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

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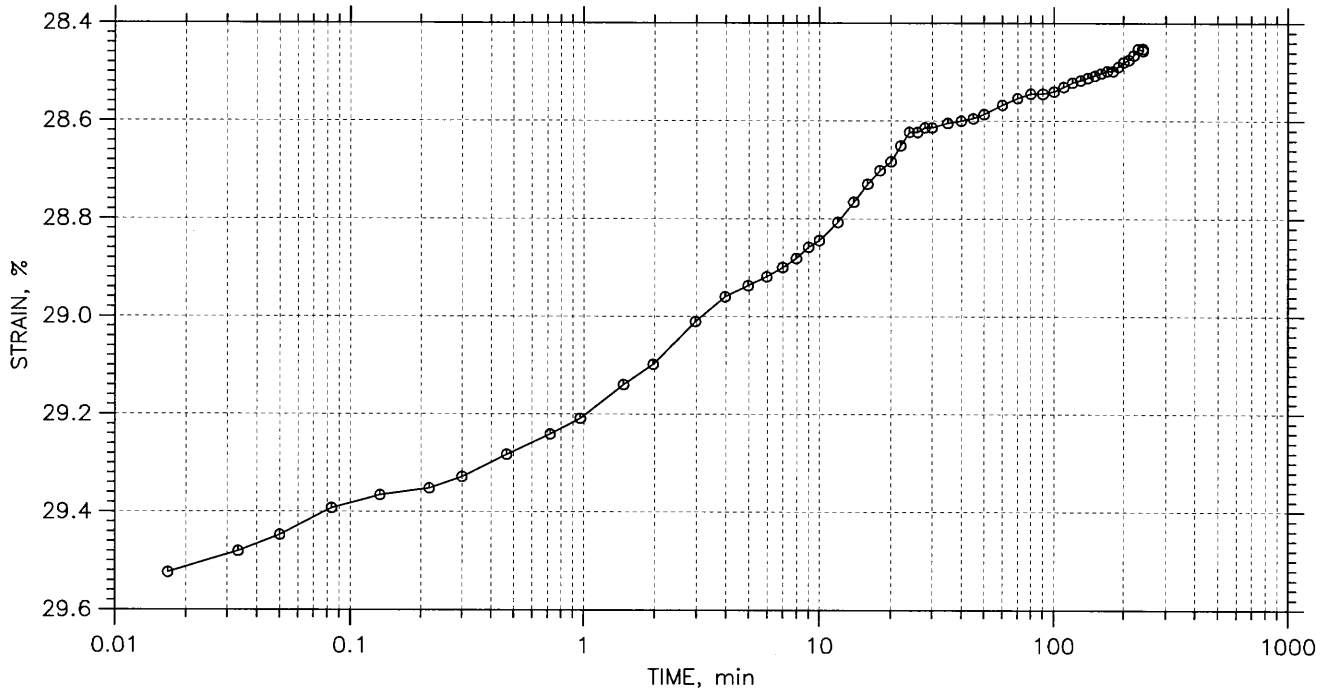
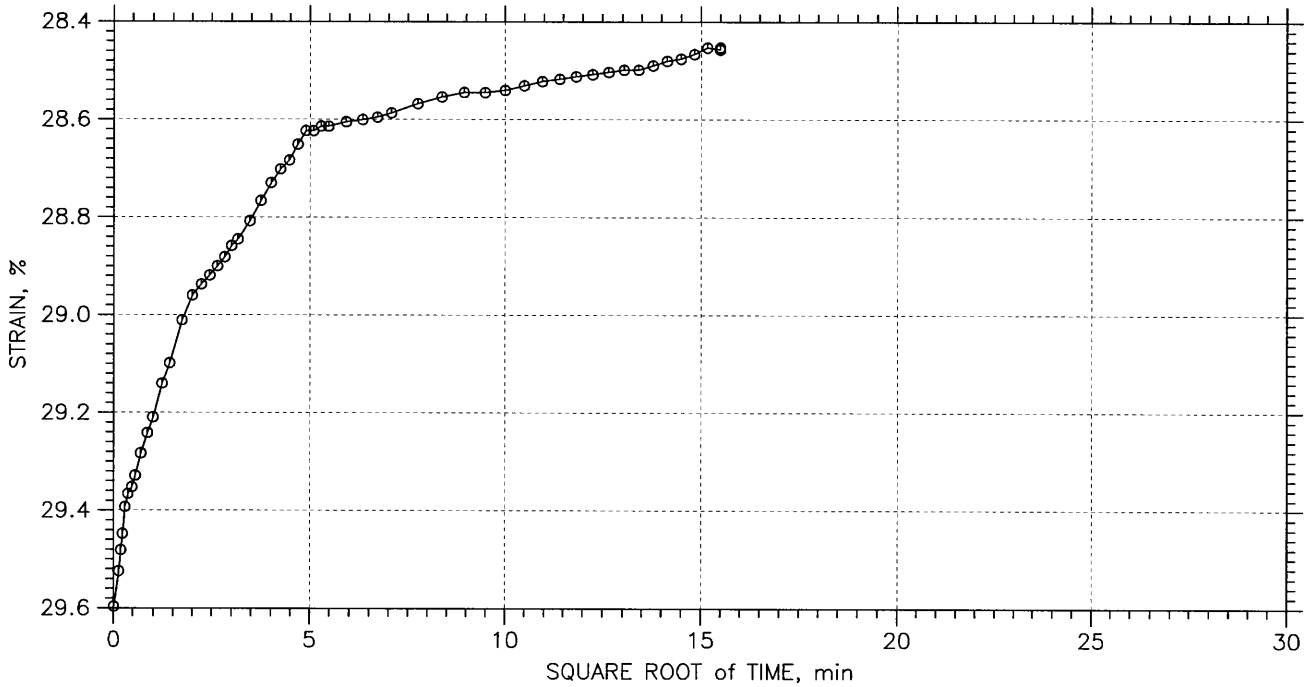
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 11 of 12

Stress: 2 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

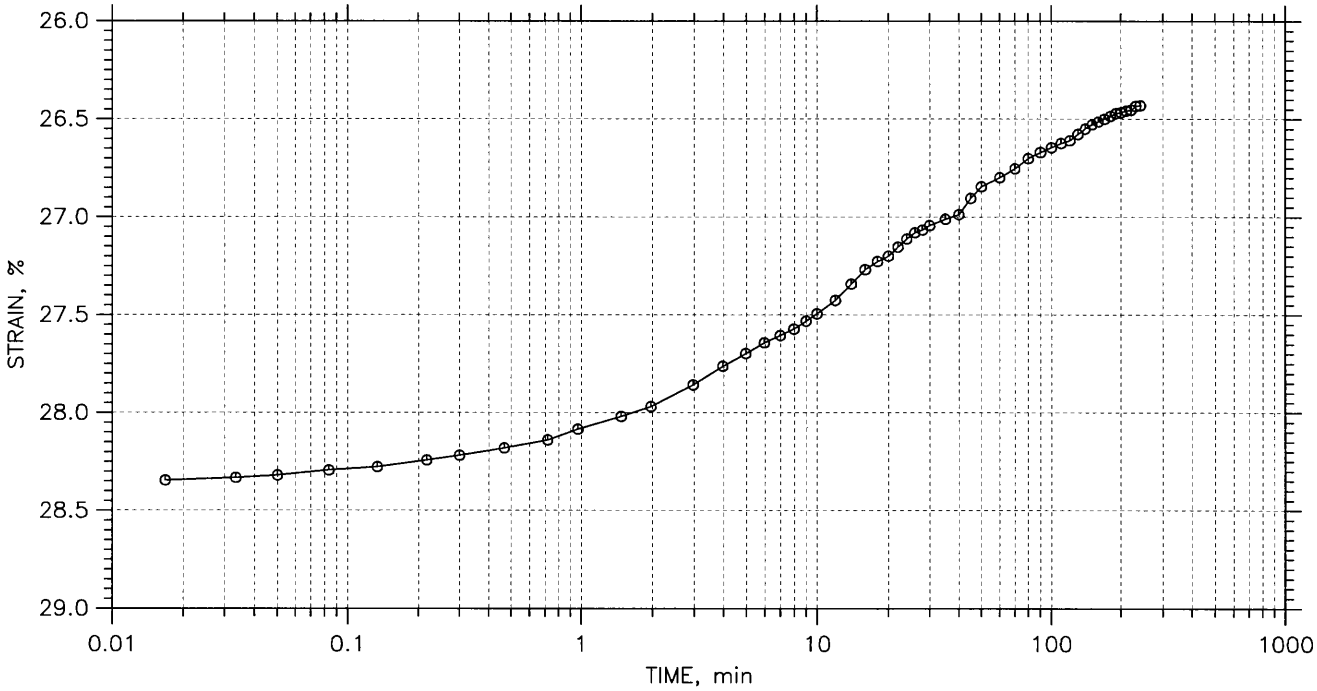
Tue, 19-JUN-2012 09:13:44

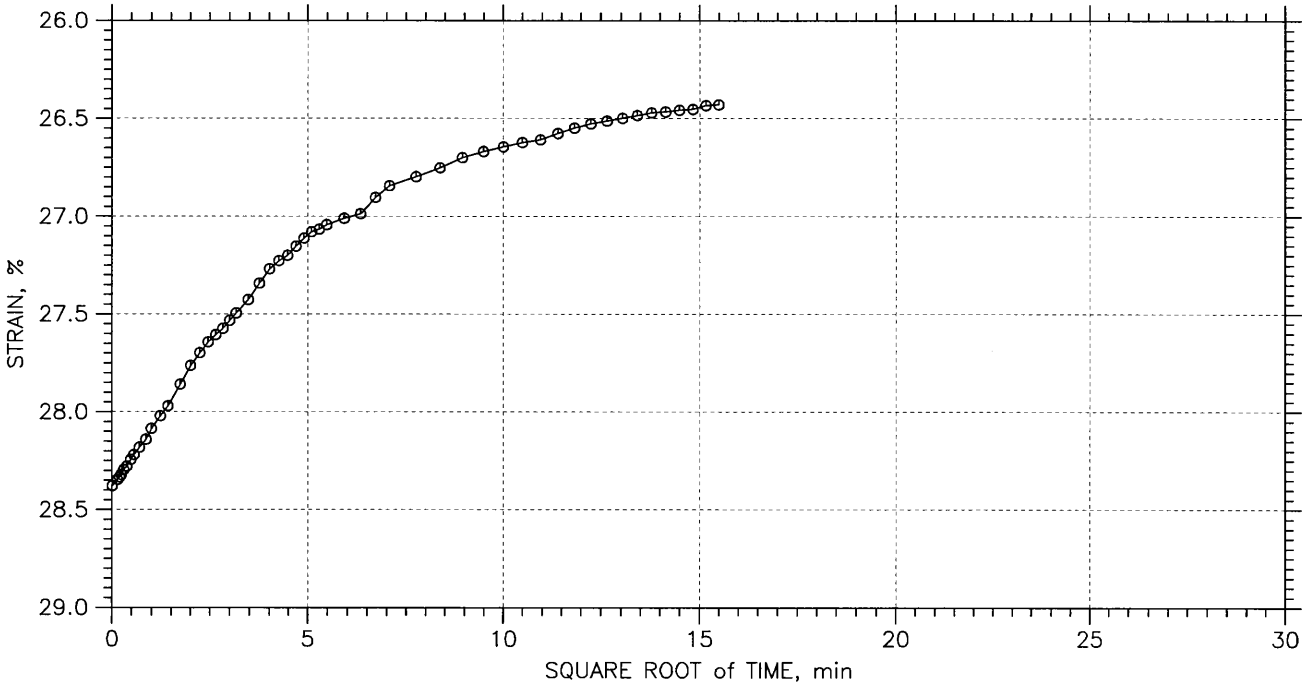
One-Dimensional Consolidation by ASTM D 2435 - Method B

TIME CURVES

Constant Load Step 12 of 12

Stress: 0.5 tsf





GeoTesting EXPRESS	Project: 551 W. 21st Street	Location: Manhatten, NY	Project No.: GTX-11889
	Boring No.: B-11	Tested By: md	Checked By: jdt
	Sample No.: UD-3	Test Date: 6/02/12	Test No.: IP-1
	Depth: 40-42 ft	Sample Type: intact	Elevation: ---
	Description: Moist, gray clay		
	Remarks: System U		

Tue, 19-JUN-2012 09:13:44

APPENDIX C

Soil Boring Geologic Logs

ROUX
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Environmental Consulting & Management

209 Shafter Street
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Telephone:
Fax:

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
S-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
126201Y / Alf Naman		**547-549 West 21st Street**		
APPROVED BY	LOGGED BY			
B. Holubowich	**B. Holubowich**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling & Testing /				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**5400 / Geoprobe**	**2" Macro-Core**	**2/24/06-2/24/06**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**8 (Feet BLS)**			

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Crushed Stone, Concrete, Organic Matter, Glass Fragments, Wood, fine and medium Sand and Gravel; dry (FILL)		0.0	
1					Sample S-1 (0-4)
2					
3					
4		Brown to tan and black fine to coarse SAND and SILT, some Gravel, trace Brick, trace Glass; moist (FILL)		0.1	
5					Sample S-1 (4-8)
6					
7					
8					Bottom of borehole at 8 ft bls. Wet

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
S-2	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
126201Y / Alf Naman		**547-549 West 21st Street**		
APPROVED BY	LOGGED BY			
B. Holubowich	**B. Holubowich**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling & Testing /				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**5400 / Geoprobe**	**2" Macro-Core**	**2/24/06-2/24/06**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**8 (Feet BLS)**			

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Crushed Stone, Concrete, Organic Matter, Glass Fragments, Wood, fine and medium Sand and Gravel; dry (FILL)		0.1	
1					Sample S-2 (0-4)
2					
3					
4		Brown to tan and black fine to coarse SAND and SILT, some Gravel, trace Brick, trace Glass; moist (FILL)		0.1	
5					Sample S-2 (4-8)
6					
7					
8					Bottom of borehole at 8 ft bls. Wet

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
S-3	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
126201Y / Alf Naman		**547-549 West 21st Street**		
APPROVED BY	LOGGED BY			
B. Holubowich	**B. Holubowich**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Aquifer Drilling & Testing /				
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**5400 / Geoprobe**	**2" Macro-Core**	**2/24/06-2/24/06**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**8 (Feet BLS)**			

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Crushed Stone, Concrete, Organic Matter, Glass Fragments, Wood, fine and medium Sand and Gravel; dry (FILL)		2.0	
1					Sample S-3 (0-4)
2					
3					
4		Brown to tan and black fine to coarse SAND and SILT, some Gravel, trace Brick, trace Glass; moist (FILL)		10.1	
5					Sample S-3 (4-8)
6					
7					
8					Bottom of borehole at 8 ft bls. Wet

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-1	Not Measured	Not Measured		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	B. Ben-Eliezer	New York, New York		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services /		South side, inside building		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	2-inches	6620 / Geoprobe	2" Macro-Core	12/7/04-12/7/04
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	7 (Feet BLS)	Cuttings		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			
		Dark brown to gray fine to coarse Sand and Silt, some Gravel, some Cinders and Slag; moist		7.3	
5				14.8	Soil sample SB-1/5-7 collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
		Gray to brown fine SAND, some Silt, trace Gravel, fining towards bottom; wet			
10					
		Black to gray fine Sand and Silt, some Cinders and Slag, little Gravel, trace Rubber; wet		30.4	Black staining and odor (sweet, not hydrocarbon).
					Soil sample SB-1/10-15 collected for TCL VOC, TCL SVOC, TAL Metals, and TCLP analysis.
15					
		Black organic CLAY, some Silt; moist		0.0	
					Bottom of borehole at 20 ft bls.
20					

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SOIL BORING LOG

WELL NO. **SB-2**	NORTHING **Not Measured**	EASTING **Not Measured**		
PROJECT NO./NAME **551 West 21st Street / Alf Naman**		LOCATION		
APPROVED BY **Nathan Epler**	LOGGED BY **B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER **Associated Environmental Services /**		GEOGRAPHIC AREA **SW corner, inside building**		
DRILL BIT DIAMETER/TYPE **2-in. / Drive Sampler**	BOREHOLE DIAMETER **2-inches**	DRILLING EQUIPMENT/METHOD **6620 / Geoprobe**	SAMPLING METHOD **2" Macro-Core**	START-FINISH DATE **12/7/04-12/7/04**
LAND SURFACE ELEVATION **Not Measured**	DEPTH TO WATER **7 (Feet BLS)**	BACKFILL **Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0.0	
		Brown fine to medium Sand, Slag, and Cinders, little Gravel; moist			
5				5.0	
		Gray fine SAND, some Silt, trace Gravel; moist			
10					
		Black to dark gray fine to coarse Sand and Cinders, little Gravel, little Silt; wet		14.3	Soil sample SB-2/10-15 collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
					Groundwater sample SB-2/10-15 (AQ) collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
		Gray to brown fine SAND, little Silt, trace Cinders; wet			
15					
		Dark gray to brown fine SAND, little Silt, trace Cinders; wet		13.5	
		Dark gray Silt, fine Sand, and Cinders; wet			
20					
		Black organic CLAY, little Silt; moist		9.1	
					Bottom of borehole at 25 ft bls.
25					

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-3	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	**B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services /		**West side, inside building**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
2-in. / Drive Sampler	**2-inches**	**6620 / Geoprobe**	**2" Macro-Core**	**12/7/04-12/7/04**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**7 (Feet BLS)**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0.0	
		Brown fine to coarse Sand and Slag, little Silt and Gravel; moist			
5				0.0	
		Brown to gray fine SAND, little Silt, trace Gravel, little Slag and Cinders; wet			
		Black fine SAND, some Silt, trace Cinders; wet			
10		Gray to black fine Sand, Silt, and Slag, little Gravel, trace Wood; wet		3.4	
15		Gray fine SAND, trace Silt; wet		7.1	Soil sample SB-3/15-20 collected for TCL VOC, TCL SVOC, TAL Metals, and TCLP analysis.
		Gray to black fine Sand and Cinders, some Silt, trace Gravel; wet			
20		Gray fine to coarse Sand and Silt, some Gravel, little Slag, trace Clay; wet		3.8	
25		Black organic CLAY, little Silt; moist		2.1	
30					Bottom of borehole at 30 ft bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-4	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	**B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services / John S.		**South boring in alley**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
1.5-in. / Drive Sampler	**1.5-inches**	**54 LT / Geoprobe**	**1.5" Large Bore**	**12/8/04-12/8/04**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**8 (Feet BLS)**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0	
		Brown fine to coarse Sand and Silt, some Slag, some Brick, little Gravel, trace Pottery Shards, trace Shells; moist			
				0	
5		Tan to brown fine to coarse Sand and Silt, little Gravel, trace Clay; moist			5
		Black Silt, fine to coarse Sand, and Gravel, little Slag, trace Clay; wet		0.8	Soil sample SB-4/8-12 collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
10					10 Groundwater sample SB-4/10-14 (AQ) collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
		Dark gray Silt and fine Sand, trace Clay, trace Gravel; wet		0	
15					15
				0	
		Black organic CLAY, trace Silt; moist			Bottom of borehole at 20 ft bls.
20					20

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-5	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	**B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services / John S.		**Center boring in alley**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
1.5-in. / Drive Sampler	**1.5-inches**	**54 LT / Geoprobe**	**1.5" Large Bore**	**12/8/04-12/8/04**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**8 (Feet BLS)**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0	
		Brown fine to coarse Sand and Silt, some Slag, little Gravel, trace Brick; moist			
		Brown fine to coarse Sand and Silt, some Slag, little Gravel; moist		0	
5					5
		Dark gray to grayish brown fine SAND, some Silt, little Gravel; wet		0	Soil sample SB-5/8-12 collected for TCL VOC, TCL SVOC, TAL Metals, and TCLP analysis.
10					10
		Brown to gray fine to coarse Sand and small Gravel, little Slag, trace Brick; wet			
		Black to gray fine to coarse Sand and Silt, some Slag, some Cinders, little Gravel; wet		0	
15					15
		Grayish brown fine SAND, trace Wood; wet			
		Gray fine SAND; wet		0	
20					20
		Dark gray silty CLAY, trace fine Sand; moist		0	
					Bottom of borehole at 24 ft bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-6	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	**B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services / John S.		**North boring in alley**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
1.5-in. / Drive Sampler	**1.5-inches**	**54 LT / Geoprobe**	**1.5" Large Bore**	**12/8/04-12/8/04**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**8 (Feet BLS)**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete		0	
		Brown fine to coarse SAND, some Silt, some Slag, little Gravel, little Brick; moist			
5				0	Soil sample SB-6/4-8 collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
		Brown fine SAND, trace Silt, trace Gravel; moist			
		Brown fine to coarse SAND, some Silt, little Brick, trace Gravel, gray at bottom 2 inches; wet		0	
10					Groundwater sample SB-6/10-14 (AQ) collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
		Gray fine SAND, some Silt, trace Clay, trace Gravel; wet		0	
15					
		No Recovery		NA	
20					
		No Recovery		NA	
					Bottom of borehole at 24 ft bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-7	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	**B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services / John S.		**East side, inside building, west of SB-5**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
1.5-in. / Drive Sampler	**1.5-inches**	**54 LT / Geoprobe**	**1.5" Large Bore**	**12/9/04-12/9/04**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**9 (Feet BLS)**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Fill		NA	Drilled through fill material from 0 to 4 ft bls.
5		Brown fine to coarse Sand and Silt, some Slag and Gravel, little Brick; moist		0.4	
		Brown fine to coarse Sand and Silt, some Gravel, little Slag and Brick; moist		0.9	
10		Gray fine to coarse Sand and Silt, some Gravel, little Slag and Brick; wet			Groundwater sample SB-7/10-14 (AQ) collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
		Gray fine to coarse Sand and Silt, some Gravel, little Slag; wet		3.1	Soil sample SB-7/12-16 collected for TCL VOC, TCL SVOC, and TAL Metals analysis.
15		Grayish brown fine compacted SAND, trace Silt; moist			
		Brown to gray fine SAND, little Silt, trace Clay; wet		2.8	
20		Grayish brown fine to coarse SAND, little Gravel, some Cinders and Slag; wet			
		Brownish gray fine SAND, some Silt, little Gravel, trace Clay; wet		0	
25		Gray Silt and fine Sand; wet		0	
		Black organic CLAY, trace Silt; moist			Bottom of borehole at 28 ft bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
SB-8	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
551 West 21st Street / Alf Naman				
APPROVED BY	LOGGED BY			
Nathan Epler	**B. Ben-Eliezer**	**New York, New York**		
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Associated Environmental Services / John S.		**SE corner, inside building**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
1.5-in. / Drive Sampler	**1.5-inches**	**54 LT / Geoprobe**	**1.5" Large Bore**	**12/9/04-12/9/04**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**10 (Feet BLS)**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Brown fine to coarse Sand and Silt, some Slag and Gravel; moist		0	
5		Brown fine to coarse Sand and Silt, some Slag and Gravel, trace Cinders, trace Plastic; moist		0	
10		Brown fine to coarse Sand and Silt, some Slag and Gravel, trace Cinders; wet		0.4	
		Grayish brown fine to coarse SAND, little Gravel, little Silt; wet			
15		Gray to black fine to coarse SAND, some Silt, some Gravel, little Slag and Cinders; wet		31.9	Hydrocarbon odor and staining increases with depth; strongest from 14 ft to 16 ft bls. Soil sample SB-8/12-16 collected for TCL VOC, TCL SVOC, TAL Metals, and TCLP analysis.
20		Gray to grayish brown fine SAND, little Silt; wet		4.2	Hydrocarbon odor in upper two ft; decreases with depth.
		Dark gray to black organic CLAY, little Silt, trace fine Sand; moist		2.0	

APPENDIX D

Laboratory Reports

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-1
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	87.6			0.10	0.10	1	%	62386		03/01/06 0000	rlm
	% Moisture, Solid	12.4			0.10	0.10	1	%	62386		03/01/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.35			0.016	0.054	1.0000	mg/Kg	62266		02/28/06 1118	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9160			23.4	302	1	mg/Kg	62499		03/02/06 1945	nnp
	Antimony, Solid*	9.0	B	N	1.3	13.7	1	mg/Kg	62499		03/02/06 1945	nnp
	Arsenic, Solid*	8.0	B		1.4	9.4	1	mg/Kg	62499		03/02/06 1945	nnp
	Barium, Solid*	86.7		N	0.22	2.3	1	mg/Kg	62499		03/02/06 1945	nnp
	Beryllium, Solid*	ND	U	N	0.58	2.3	1	mg/Kg	62499		03/02/06 1945	nnp
	Cadmium, Solid*	ND	U		1.2	3.5	1	mg/Kg	62499		03/02/06 1945	nnp
	Calcium, Solid*	29600		*	13.6	99.4	1	mg/Kg	62499		03/02/06 1945	nnp
	Chromium, Solid*	12.0		*N	0.40	3.5	1	mg/Kg	62499		03/02/06 1945	nnp
	Cobalt, Solid*	3.8		N	0.49	2.3	1	mg/Kg	62499		03/02/06 1945	nnp
	Copper, Solid*	77.9		*N	0.94	5.8	1	mg/Kg	62499		03/02/06 1945	nnp
	Iron, Solid*	10100			11.9	170	1	mg/Kg	62499		03/02/06 1945	nnp
	Lead, Solid*	743			0.89	10.5	1	mg/Kg	62499		03/02/06 1945	nnp
	Magnesium, Solid*	5660			10.8	40.9	1	mg/Kg	62499		03/02/06 1945	nnp
	Manganese, Solid*	209			0.75	2.9	1	mg/Kg	62499		03/02/06 1945	nnp
	Nickel, Solid*	11.3		N	0.51	5.8	1	mg/Kg	62499		03/02/06 1945	nnp
	Potassium, Solid*	1310			46.8	234	1	mg/Kg	62499		03/02/06 1945	nnp
	Selenium, Solid*	ND	U		1.9	18.7	1	mg/Kg	62499		03/02/06 1945	nnp
	Silver, Solid*	0.49	B	N	0.37	3.5	1	mg/Kg	62499		03/02/06 1945	nnp
	Sodium, Solid*	1370			23.4	110	1	mg/Kg	62499		03/02/06 1945	nnp
	Thallium, Solid*	ND	U	N	4.9	11.7	1	mg/Kg	62499		03/02/06 1945	nnp
	Vanadium, Solid*	17.5		N	0.42	4.7	1	mg/Kg	62499		03/02/06 1945	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-1
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	645			4.4	23.4	1	mg/Kg	62499		03/02/06 1945	nnp
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		110	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		49	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		55	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		57	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		61	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Benzyl alcohol, Solid*	ND	U		68	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2-Methylphenol, Solid*	ND	U		96	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		51	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		49	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Hexachloroethane, Solid*	ND	U		64	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Methylphenol, Solid*	ND	U		190	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2-Chlorophenol, Solid*	ND	U		93	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Nitrobenzene, Solid*	ND	U		43	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		62	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		61	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Isophorone, Solid*	ND	U		65	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,4-Dimethylphenol, Solid*	ND	U		190	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Hexachlorobutadiene, Solid*	ND	U		74	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Naphthalene, Solid*	110	J		62	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,4-Dichlorophenol, Solid*	ND	U		120	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Chloroaniline, Solid*	ND	U		120	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		92	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		130	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		270	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2-Methylnaphthalene, Solid*	62	J		57	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2-Nitroaniline, Solid*	ND	U		46	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-1
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloronaphthalene, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		120	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,6-Dinitrotoluene, Solid*	ND	U		66	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2-Nitrophenol, Solid*	ND	U		130	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	3-Nitroaniline, Solid*	ND	U		75	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Dimethyl phthalate, Solid*	ND	U		55	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,4-Dinitrophenol, Solid*	ND	U		120	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Acenaphthylene, Solid*	130	J		44	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		65	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Acenaphthene, Solid*	280	J		60	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Dibenzofuran, Solid*	170	J		57	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Nitrophenol, Solid*	ND	U		150	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Fluorene, Solid*	210	J		47	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Nitroaniline, Solid*	ND	U		52	720	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		55	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Hexachlorobenzene, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Diethyl phthalate, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		50	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Pentachlorophenol, Solid*	ND	U		310	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		54	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		260	1700	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Phenanthrene, Solid*	2800			42	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Anthracene, Solid*	710			60	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Carbazole, Solid*	340	J		53	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Di-n-butyl phthalate, Solid*	ND	U		48	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Fluoranthene, Solid*	3600			46	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Pyrene, Solid*	4100			50	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Butyl benzyl phthalate, Solid*	ND	U		47	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Benzo(a)anthracene, Solid*	2500			49	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-1
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Solid*	2500			46	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		96	720	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		48	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Di-n-octyl phthalate, Solid*	ND	U		38	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Benzo(b)fluoranthene, Solid*	3100			100	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Benzo(k)fluoranthene, Solid*	1300			40	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Benzo(a)pyrene, Solid*	2900			44	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	2300			37	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Dibenzo(a,h)anthracene, Solid*	620			40	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
	Benzo(ghi)perylene, Solid*	2600			40	360	1.00000	ug/Kg	62619		03/01/06 2301	jdw
8260B	Volatile Organics											
	Chloromethane, Solid*	ND	U		1.0	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Vinyl chloride, Solid*	ND	U		0.99	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Bromomethane, Solid*	ND	U		0.94	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Chloroethane, Solid*	ND	U		2.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Carbon disulfide, Solid*	ND	U		0.70	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Acetone, Solid*	17	J	B	3.6	23	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Methylene chloride, Solid*	13	J	B	2.5	23	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.66	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,1-Dichloroethane, Solid*	ND	U		0.92	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	2-Butanone (MEK), Solid*	ND	U		2.0	11	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Chloroform, Solid*	ND	U		0.61	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		0.96	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Carbon tetrachloride, Solid*	ND	U		0.89	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Benzene, Solid*	ND	U		0.98	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-1
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Trichloroethene, Solid*	ND	U		0.78	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Bromodichloromethane, Solid*	ND	U		0.96	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.89	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.3	11	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Toluene, Solid*	ND	U		0.96	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Tetrachloroethene, Solid*	ND	U		0.80	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	2-Hexanone, Solid*	ND	U		2.9	11	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Dibromochloromethane, Solid*	ND	U		0.47	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Chlorobenzene, Solid*	ND	U		0.90	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Ethylbenzene, Solid*	ND	U		0.90	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Styrene, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Bromoform, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.4	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd
	Xylenes (total), Solid*	ND	U		2.2	5.7	1.00000	ug/Kg	62331		02/27/06 1520	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-2
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	87.9			0.10	0.10	1	%	62386		03/01/06 0000	rlm
	% Moisture, Solid	12.1			0.10	0.10	1	%	62386		03/01/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	1.2			0.015	0.049	1.0000	mg/Kg	62266		02/28/06 1120	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	9000			20.8	268	1	mg/Kg	62499		03/02/06 1951	nnp
	Antimony, Solid*	ND	U	N	1.2	12.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Arsenic, Solid*	2.9	B		1.3	8.3	1	mg/Kg	62499		03/02/06 1951	nnp
	Barium, Solid*	74.1		N	0.19	2.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Beryllium, Solid*	ND	U	N	0.52	2.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Cadmium, Solid*	ND	U		1.0	3.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Calcium, Solid*	7320		*	12.0	88.2	1	mg/Kg	62499		03/02/06 1951	nnp
	Chromium, Solid*	18.2		*N	0.35	3.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Cobalt, Solid*	7.2		N	0.44	2.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Copper, Solid*	42.1		*N	0.83	5.2	1	mg/Kg	62499		03/02/06 1951	nnp
	Iron, Solid*	13000			10.6	151	1	mg/Kg	62499		03/02/06 1951	nnp
	Lead, Solid*	112			0.79	9.3	1	mg/Kg	62499		03/02/06 1951	nnp
	Magnesium, Solid*	3420			9.5	36.3	1	mg/Kg	62499		03/02/06 1951	nnp
	Manganese, Solid*	263			0.66	2.6	1	mg/Kg	62499		03/02/06 1951	nnp
	Nickel, Solid*	30.4		N	0.46	5.2	1	mg/Kg	62499		03/02/06 1951	nnp
	Potassium, Solid*	1310			41.5	208	1	mg/Kg	62499		03/02/06 1951	nnp
	Selenium, Solid*	ND	U		1.7	16.6	1	mg/Kg	62499		03/02/06 1951	nnp
	Silver, Solid*	ND	U	N	0.33	3.1	1	mg/Kg	62499		03/02/06 1951	nnp
	Sodium, Solid*	465			20.8	97.6	1	mg/Kg	62499		03/02/06 1951	nnp
	Thallium, Solid*	ND	U	N	4.3	10.4	1	mg/Kg	62499		03/02/06 1951	nnp
	Vanadium, Solid*	21.6		N	0.37	4.2	1	mg/Kg	62499		03/02/06 1951	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-2
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	76.0			3.9	20.8	1	mg/Kg	62499		03/02/06 1951	nnp
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		110	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		49	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		55	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		58	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		61	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Benzyl alcohol, Solid*	ND	U		69	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2-Methylphenol, Solid*	ND	U		97	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		51	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		49	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Hexachloroethane, Solid*	ND	U		64	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Methylphenol, Solid*	ND	U		190	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2-Chlorophenol, Solid*	ND	U		94	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Nitrobenzene, Solid*	ND	U		44	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		62	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		61	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Isophorone, Solid*	ND	U		65	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,4-Dimethylphenol, Solid*	ND	U		190	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Hexachlorobutadiene, Solid*	ND	U		74	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Naphthalene, Solid*	ND	U		62	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,4-Dichlorophenol, Solid*	ND	U		120	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Chloroaniline, Solid*	ND	U		120	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		92	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		130	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		270	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2-Methylnaphthalene, Solid*	ND	U		58	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2-Nitroaniline, Solid*	ND	U		46	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-2
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloronaphthalene, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		120	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,6-Dinitrotoluene, Solid*	ND	U		66	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2-Nitrophenol, Solid*	ND	U		130	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	3-Nitroaniline, Solid*	ND	U		75	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Dimethyl phthalate, Solid*	ND	U		55	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,4-Dinitrophenol, Solid*	ND	U		130	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Acenaphthylene, Solid*	ND	U		45	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		65	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Acenaphthene, Solid*	ND	U		60	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Dibenzofuran, Solid*	ND	U		58	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Nitrophenol, Solid*	ND	U		150	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Fluorene, Solid*	ND	U		47	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Nitroaniline, Solid*	ND	U		52	720	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		55	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Hexachlorobenzene, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Diethyl phthalate, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		50	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Pentachlorophenol, Solid*	ND	U		310	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		54	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		260	1700	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Phenanthrene, Solid*	160	J		42	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Anthracene, Solid*	ND	U		60	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Carbazole, Solid*	ND	U		53	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Di-n-butyl phthalate, Solid*	ND	U		48	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Fluoranthene, Solid*	160	J		46	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Pyrene, Solid*	190	J		50	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Butyl benzyl phthalate, Solid*	ND	U		47	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Benzo(a)anthracene, Solid*	120	J		49	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-2
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Solid*	160	J		46	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		97	720	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		48	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Di-n-octyl phthalate, Solid*	ND	U		38	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Benzo(b)fluoranthene, Solid*	130	J	M	100	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Benzo(k)fluoranthene, Solid*	46	J	M	40	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Benzo(a)pyrene, Solid*	120	J		45	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	58	J		37	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Dibenzo(a,h)anthracene, Solid*	ND	U		40	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
	Benzo(ghi)perylene, Solid*	76	J	M	40	360	1.00000	ug/Kg	62619		03/02/06 1206	jdw
8260B	Volatile Organics											
	Chloromethane, Solid*	ND	U		1.0	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Vinyl chloride, Solid*	ND	U		0.99	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Bromomethane, Solid*	ND	U		0.93	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Chloroethane, Solid*	ND	U		2.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Carbon disulfide, Solid*	ND	U		0.69	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Acetone, Solid*	9.1	J	HB	3.6	23	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Methylene chloride, Solid*	12	J	B	2.5	23	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.66	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,1-Dichloroethane, Solid*	ND	U		0.92	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	2-Butanone (MEK), Solid*	ND	U		2.0	11	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Chloroform, Solid*	ND	U		0.60	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		0.96	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Carbon tetrachloride, Solid*	ND	U		0.89	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Benzene, Solid*	ND	U		0.98	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-1(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-2
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Trichloroethene, Solid*	ND	U		0.77	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Bromodichloromethane, Solid*	ND	U		0.96	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.89	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.3	11	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Toluene, Solid*	ND	U		0.96	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.0	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Tetrachloroethene, Solid*	ND	U		0.80	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	2-Hexanone, Solid*	ND	U		2.9	11	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Dibromochloromethane, Solid*	ND	U		0.47	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Chlorobenzene, Solid*	ND	U		0.90	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Ethylbenzene, Solid*	ND	U		0.90	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Styrene, Solid*	ND	U		1.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Bromoform, Solid*	ND	U		1.1	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.4	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd
	Xylenes (total), Solid*	ND	U		2.2	5.7	1.00000	ug/Kg	62331		02/27/06 1312	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	78.8			0.10	0.10	1	%	62386		03/01/06 0000	rlm
	% Moisture, Solid	21.2			0.10	0.10	1	%	62386		03/01/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	1.9			0.17	0.55	10.000	mg/Kg	62266		02/28/06 1138	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	6040			27.8	359	1	mg/Kg	62499		03/02/06 1957	nnp
	Antimony, Solid*	3.1	B	N	1.6	16.3	1	mg/Kg	62499		03/02/06 1957	nnp
	Arsenic, Solid*	17.7			1.7	11.1	1	mg/Kg	62499		03/02/06 1957	nnp
	Barium, Solid*	325		N	0.26	2.8	1	mg/Kg	62499		03/02/06 1957	nnp
	Beryllium, Solid*	ND	U	N	0.70	2.8	1	mg/Kg	62499		03/02/06 1957	nnp
	Cadmium, Solid*	ND	U		1.4	4.2	1	mg/Kg	62499		03/02/06 1957	nnp
	Calcium, Solid*	7610		*	16.1	118	1	mg/Kg	62499		03/02/06 1957	nnp
	Chromium, Solid*	9.5		*N	0.47	4.2	1	mg/Kg	62499		03/02/06 1957	nnp
	Cobalt, Solid*	5.5		N	0.58	2.8	1	mg/Kg	62499		03/02/06 1957	nnp
	Copper, Solid*	81.7		*N	1.1	7.0	1	mg/Kg	62499		03/02/06 1957	nnp
	Iron, Solid*	12300			14.2	202	1	mg/Kg	62499		03/02/06 1957	nnp
	Lead, Solid*	280			1.1	12.5	1	mg/Kg	62499		03/02/06 1957	nnp
	Magnesium, Solid*	1230			12.8	48.7	1	mg/Kg	62499		03/02/06 1957	nnp
	Manganese, Solid*	175			0.89	3.5	1	mg/Kg	62499		03/02/06 1957	nnp
	Nickel, Solid*	11.9		N	0.61	7.0	1	mg/Kg	62499		03/02/06 1957	nnp
	Potassium, Solid*	1090			55.7	278	1	mg/Kg	62499		03/02/06 1957	nnp
	Selenium, Solid*	ND	U		2.2	22.3	1	mg/Kg	62499		03/02/06 1957	nnp
	Silver, Solid*	ND	U	N	0.45	4.2	1	mg/Kg	62499		03/02/06 1957	nnp
	Sodium, Solid*	775			27.8	131	1	mg/Kg	62499		03/02/06 1957	nnp
	Thallium, Solid*	ND	U	N	5.8	13.9	1	mg/Kg	62499		03/02/06 1957	nnp
	Vanadium, Solid*	22.2		N	0.50	5.6	1	mg/Kg	62499		03/02/06 1957	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	177			5.3	27.8	1	mg/Kg	62499		03/02/06 1957	nnp
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		120	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		57	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		64	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		67	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		71	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Benzyl alcohol, Solid*	ND	U		79	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2-Methylphenol, Solid*	ND	U		110	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		59	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		57	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Hexachloroethane, Solid*	ND	U		74	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Methylphenol, Solid*	ND	U		230	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2-Chlorophenol, Solid*	ND	U		110	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Nitrobenzene, Solid*	ND	U		50	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		72	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		71	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Isophorone, Solid*	ND	U		76	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,4-Dimethylphenol, Solid*	ND	U		220	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Hexachlorobutadiene, Solid*	ND	U		86	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Naphthalene, Solid*	620			72	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,4-Dichlorophenol, Solid*	ND	U		140	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Chloroaniline, Solid*	ND	U		130	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		110	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		150	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		310	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2-Methylnaphthalene, Solid*	190	J		67	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2-Nitroaniline, Solid*	ND	U		53	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloronaphthalene, Solid*	ND	U		62	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		140	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,6-Dinitrotoluene, Solid*	ND	U		77	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2-Nitrophenol, Solid*	ND	U		150	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	3-Nitroaniline, Solid*	ND	U		87	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Dimethyl phthalate, Solid*	ND	U		64	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,4-Dinitrophenol, Solid*	ND	U		140	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Acenaphthylene, Solid*	840			52	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		76	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Acenaphthene, Solid*	750			69	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Dibenzofuran, Solid*	410	J		67	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Nitrophenol, Solid*	ND	U		180	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Fluorene, Solid*	490			54	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Nitroaniline, Solid*	ND	U		60	830	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		64	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Hexachlorobenzene, Solid*	ND	U		62	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Diethyl phthalate, Solid*	ND	U		62	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		58	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Pentachlorophenol, Solid*	ND	U		360	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		63	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		300	2000	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Phenanthrene, Solid*	6100			49	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Anthracene, Solid*	2500			69	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Carbazole, Solid*	950			62	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Di-n-butyl phthalate, Solid*	ND	U		55	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Fluoranthene, Solid*	14000		A	53	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Pyrene, Solid*	9700		A	58	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Butyl benzyl phthalate, Solid*	ND	U		54	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Benzo(a)anthracene, Solid*	15000		A	57	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Solid*	15000		A	53	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		110	830	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Bis(2-ethylhexyl)phthalate, Solid*	150	J		55	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Di-n-octyl phthalate, Solid*	ND	U		44	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Benzo(b)fluoranthene, Solid*	25000		A	120	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Benzo(k)fluoranthene, Solid*	5200			47	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Benzo(a)pyrene, Solid*	19000		A	52	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	6600			43	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Dibenzo(a,h)anthracene, Solid*	2300		H	47	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
	Benzo(ghi)perylene, Solid*	5100		M	47	420	1.00000	ug/Kg	62619		03/02/06 1643	jdw
8260B	Volatile Organics											
	Chloromethane, Solid*	ND	U		1.1	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Vinyl chloride, Solid*	ND	U		1.1	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Bromomethane, Solid*	ND	U		1.0	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Chloroethane, Solid*	ND	U		2.4	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.4	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Carbon disulfide, Solid*	ND	U		0.77	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Acetone, Solid*	ND	U	B	4.0	25	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Methylene chloride, Solid*	15	J	B	2.8	25	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.74	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,1-Dichloroethane, Solid*	ND	U		1.0	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	2-Butanone (MEK), Solid*	ND	U		2.3	13	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Chloroform, Solid*	ND	U		0.67	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		1.1	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Carbon tetrachloride, Solid*	ND	U		0.99	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Benzene, Solid*	ND	U		1.1	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Trichloroethene, Solid*	ND	U		0.86	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Bromodichloromethane, Solid*	ND	U		1.1	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.99	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.5	13	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Toluene, Solid*	ND	U		1.1	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.2	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Tetrachloroethene, Solid*	ND	U		0.89	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	2-Hexanone, Solid*	ND	U		3.2	13	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Dibromochloromethane, Solid*	ND	U		0.52	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Chlorobenzene, Solid*	ND	U		1.0	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Ethylbenzene, Solid*	ND	U		1.0	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Styrene, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Bromoform, Solid*	ND	U		1.3	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.5	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd
	Xylenes (total), Solid*	ND	U		2.5	6.3	1.00000	ug/Kg	62331		02/27/06 1546	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		1200	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		570	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		640	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		670	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		710	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Benzyl alcohol, Solid*	ND	U		790	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2-Methylphenol, Solid*	ND	U		1100	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		590	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		570	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Hexachloroethane, Solid*	ND	U		740	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Methylphenol, Solid*	ND	U		2300	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2-Chlorophenol, Solid*	ND	U		1100	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Nitrobenzene, Solid*	ND	U		500	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		720	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		710	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Isophorone, Solid*	ND	U		760	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,4-Dimethylphenol, Solid*	ND	U		2200	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Hexachlorobutadiene, Solid*	ND	U		860	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Naphthalene, Solid*	ND	U		720	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,4-Dichlorophenol, Solid*	ND	U		1400	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Chloroaniline, Solid*	ND	U		1300	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		1100	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		1500	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		3100	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2-Methylnaphthalene, Solid*	ND	U		670	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2-Nitroaniline, Solid*	ND	U		530	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2-Chloronaphthalene, Solid*	ND	U		620	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		1400	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2,6-Dinitrotoluene, Solid*	ND	U		770	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2-Nitrophenol, Solid*	ND	U		1500	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	3-Nitroaniline, Solid*	ND	U		870	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Dimethyl phthalate, Solid*	ND	U		640	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,4-Dinitrophenol, Solid*	ND	U		1400	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Acenaphthylene, Solid*	650	J		520	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		760	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Acenaphthene, Solid*	750	J		690	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Dibenzofuran, Solid*	ND	U		670	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Nitrophenol, Solid*	ND	U		1800	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Fluorene, Solid*	ND	U		540	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Nitroaniline, Solid*	ND	U		600	8300	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		640	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Hexachlorobenzene, Solid*	ND	U		620	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Diethyl phthalate, Solid*	ND	U		620	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		580	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Pentachlorophenol, Solid*	ND	U		3600	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		630	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		3000	20000	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Phenanthrene, Solid*	6600			490	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Anthracene, Solid*	2300	J		690	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Carbazole, Solid*	1100	J		620	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Di-n-butyl phthalate, Solid*	ND	U		550	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Fluoranthene, Solid*	16000			530	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Pyrene, Solid*	19000			580	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Butyl benzyl phthalate, Solid*	ND	U		540	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Benzo(a)anthracene, Solid*	16000			570	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Chrysene, Solid*	15000			530	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		1100	8300	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-3
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Bis(2-ethylhexyl)phthalate, Solid*	ND	U		550	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Di-n-octyl phthalate, Solid*	ND	U		440	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Benzo(b)fluoranthene, Solid*	21000			1200	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Benzo(k)fluoranthene, Solid*	11000			470	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Benzo(a)pyrene, Solid*	23000			520	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	20000			430	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Dibenzo(a,h)anthracene, Solid*	4700			470	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw
	Benzo(ghi)perylene, Solid*	23000			470	4200	10.00000	ug/Kg	62619	DL	03/01/06 2351	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-4
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	80.4			0.10	0.10	1	%	62386		03/01/06 0000	rlm
	% Moisture, Solid	19.6			0.10	0.10	1	%	62386		03/01/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	2.2			0.16	0.55	10.000	mg/Kg	62266		02/28/06 1139	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	8320			21.7	280	1	mg/Kg	62499		03/02/06 2003	nnp
	Antimony, Solid*	ND	U	N	1.2	12.7	1	mg/Kg	62499		03/02/06 2003	nnp
	Arsenic, Solid*	5.9	B		1.3	8.7	1	mg/Kg	62499		03/02/06 2003	nnp
	Barium, Solid*	94.8		N	0.20	2.2	1	mg/Kg	62499		03/02/06 2003	nnp
	Beryllium, Solid*	ND	U	N	0.54	2.2	1	mg/Kg	62499		03/02/06 2003	nnp
	Cadmium, Solid*	ND	U		1.1	3.3	1	mg/Kg	62499		03/02/06 2003	nnp
	Calcium, Solid*	11400		*	12.6	92.4	1	mg/Kg	62499		03/02/06 2003	nnp
	Chromium, Solid*	14.5		*N	0.37	3.3	1	mg/Kg	62499		03/02/06 2003	nnp
	Cobalt, Solid*	5.4		N	0.46	2.2	1	mg/Kg	62499		03/02/06 2003	nnp
	Copper, Solid*	24.6		*N	0.87	5.4	1	mg/Kg	62499		03/02/06 2003	nnp
	Iron, Solid*	17200			11.1	158	1	mg/Kg	62499		03/02/06 2003	nnp
	Lead, Solid*	174			0.83	9.8	1	mg/Kg	62499		03/02/06 2003	nnp
	Magnesium, Solid*	2890			10.0	38.1	1	mg/Kg	62499		03/02/06 2003	nnp
	Manganese, Solid*	263			0.70	2.7	1	mg/Kg	62499		03/02/06 2003	nnp
	Nickel, Solid*	14.5		N	0.48	5.4	1	mg/Kg	62499		03/02/06 2003	nnp
	Potassium, Solid*	891			43.5	217	1	mg/Kg	62499		03/02/06 2003	nnp
	Selenium, Solid*	ND	U		1.7	17.4	1	mg/Kg	62499		03/02/06 2003	nnp
	Silver, Solid*	ND	U	N	0.35	3.3	1	mg/Kg	62499		03/02/06 2003	nnp
	Sodium, Solid*	325			21.7	102	1	mg/Kg	62499		03/02/06 2003	nnp
	Thallium, Solid*	ND	U	N	4.5	10.9	1	mg/Kg	62499		03/02/06 2003	nnp
	Vanadium, Solid*	22.7		N	0.39	4.3	1	mg/Kg	62499		03/02/06 2003	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-4
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	94.0			4.1	21.7	1	mg/Kg	62499		03/02/06 2003	nnp
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		110	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		53	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		60	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		63	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		66	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Benzyl alcohol, Solid*	ND	U		74	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2-Methylphenol, Solid*	ND	U		110	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		55	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		53	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Hexachloroethane, Solid*	ND	U		70	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Methylphenol, Solid*	ND	U		210	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2-Chlorophenol, Solid*	ND	U		100	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Nitrobenzene, Solid*	ND	U		47	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		67	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		66	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Isophorone, Solid*	ND	U		71	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,4-Dimethylphenol, Solid*	ND	U		200	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Hexachlorobutadiene, Solid*	ND	U		80	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Naphthalene, Solid*	120	J		67	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,4-Dichlorophenol, Solid*	ND	U		130	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Chloroaniline, Solid*	ND	U		130	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		100	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		140	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		290	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2-Methylnaphthalene, Solid*	74	J		63	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2-Nitroaniline, Solid*	ND	U		50	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-4
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloronaphthalene, Solid*	ND	U		58	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		130	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,6-Dinitrotoluene, Solid*	ND	U		72	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2-Nitrophenol, Solid*	ND	U		140	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	3-Nitroaniline, Solid*	ND	U		81	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Dimethyl phthalate, Solid*	ND	U		60	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,4-Dinitrophenol, Solid*	ND	U		140	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Acenaphthylene, Solid*	ND	U		48	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		71	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Acenaphthene, Solid*	100	J		65	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Dibenzofuran, Solid*	80	J		63	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Nitrophenol, Solid*	ND	U		170	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Fluorene, Solid*	100	J		51	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Nitroaniline, Solid*	ND	U		57	780	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		60	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Hexachlorobenzene, Solid*	ND	U		58	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Diethyl phthalate, Solid*	ND	U		58	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		54	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Pentachlorophenol, Solid*	ND	U		340	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		59	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		280	1900	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Phenanthrene, Solid*	910			46	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Anthracene, Solid*	380	J		65	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Carbazole, Solid*	160	J		58	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Di-n-butyl phthalate, Solid*	ND	U		52	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Fluoranthene, Solid*	1700			50	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Pyrene, Solid*	1900			54	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Butyl benzyl phthalate, Solid*	ND	U		51	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Benzo(a)anthracene, Solid*	1800			53	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-4
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Solid*	1700			50	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		110	780	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Bis(2-ethylhexyl)phthalate, Solid*	53	J		52	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Di-n-octyl phthalate, Solid*	ND	U		41	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Benzo(b)fluoranthene, Solid*	2700			110	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Benzo(k)fluoranthene, Solid*	1000			44	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Benzo(a)pyrene, Solid*	2900			48	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	2500			40	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Dibenzo(a,h)anthracene, Solid*	820			44	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
	Benzo(ghi)perylene, Solid*	2600			44	390	1.00000	ug/Kg	62619		03/02/06 0016	jdw
8260B	Volatile Organics											
	Chloromethane, Solid*	ND	U		1.1	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Vinyl chloride, Solid*	ND	U		1.1	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Bromomethane, Solid*	ND	U		1.0	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Chloroethane, Solid*	ND	U		2.4	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.4	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Carbon disulfide, Solid*	ND	U		0.76	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Acetone, Solid*	19	J	HB	3.9	25	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Methylene chloride, Solid*	13	J	B	2.7	25	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.72	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,1-Dichloroethane, Solid*	ND	U		1.0	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.3	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	2-Butanone (MEK), Solid*	ND	U		2.2	12	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Chloroform, Solid*	ND	U		0.66	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		1.0	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Carbon tetrachloride, Solid*	ND	U		0.97	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Benzene, Solid*	ND	U		1.1	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.2	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-2(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-4
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Trichloroethene, Solid*	ND	U		0.85	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.3	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Bromodichloromethane, Solid*	ND	U		1.0	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.97	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.5	12	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Toluene, Solid*	ND	U		1.0	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.1	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.3	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Tetrachloroethene, Solid*	ND	U		0.87	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	2-Hexanone, Solid*	ND	U		3.1	12	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Dibromochloromethane, Solid*	ND	U		0.51	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Chlorobenzene, Solid*	ND	U		0.98	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Ethylbenzene, Solid*	ND	U		0.98	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Styrene, Solid*	ND	U		1.3	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Bromoform, Solid*	ND	U		1.2	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.5	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd
	Xylenes (total), Solid*	ND	U		2.4	6.2	1.00000	ug/Kg	62331		02/27/06 1403	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-5
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	85.6			0.10	0.10	1	%	62386		03/01/06 0000	rlm
	% Moisture, Solid	14.4			0.10	0.10	1	%	62386		03/01/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.46			0.013	0.044	1.0000	mg/Kg	62266		02/28/06 1130	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	8540			25.4	328	1	mg/Kg	62499		03/02/06 2009	nnp
	Antimony, Solid*	ND	U	N	1.4	14.9	1	mg/Kg	62499		03/02/06 2009	nnp
	Arsenic, Solid*	4.9	B		1.5	10.2	1	mg/Kg	62499		03/02/06 2009	nnp
	Barium, Solid*	105		N	0.23	2.5	1	mg/Kg	62499		03/02/06 2009	nnp
	Beryllium, Solid*	ND	U	N	0.63	2.5	1	mg/Kg	62499		03/02/06 2009	nnp
	Cadmium, Solid*	ND	U		1.3	3.8	1	mg/Kg	62499		03/02/06 2009	nnp
	Calcium, Solid*	3270		*	14.7	108	1	mg/Kg	62499		03/02/06 2009	nnp
	Chromium, Solid*	14.2		*N	0.43	3.8	1	mg/Kg	62499		03/02/06 2009	nnp
	Cobalt, Solid*	5.3		N	0.53	2.5	1	mg/Kg	62499		03/02/06 2009	nnp
	Copper, Solid*	21.4		*N	1.0	6.3	1	mg/Kg	62499		03/02/06 2009	nnp
	Iron, Solid*	15200			13.0	184	1	mg/Kg	62499		03/02/06 2009	nnp
	Lead, Solid*	202			0.97	11.4	1	mg/Kg	62499		03/02/06 2009	nnp
	Magnesium, Solid*	2680			11.7	44.4	1	mg/Kg	62499		03/02/06 2009	nnp
	Manganese, Solid*	223			0.81	3.2	1	mg/Kg	62499		03/02/06 2009	nnp
	Nickel, Solid*	12.9		N	0.56	6.3	1	mg/Kg	62499		03/02/06 2009	nnp
	Potassium, Solid*	1240			50.8	254	1	mg/Kg	62499		03/02/06 2009	nnp
	Selenium, Solid*	ND	U		2.0	20.3	1	mg/Kg	62499		03/02/06 2009	nnp
	Silver, Solid*	ND	U	N	0.41	3.8	1	mg/Kg	62499		03/02/06 2009	nnp
	Sodium, Solid*	431			25.4	119	1	mg/Kg	62499		03/02/06 2009	nnp
	Thallium, Solid*	ND	U	N	5.3	12.7	1	mg/Kg	62499		03/02/06 2009	nnp
	Vanadium, Solid*	21.8		N	0.46	5.1	1	mg/Kg	62499		03/02/06 2009	nnp

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-5
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	53.5			4.8	25.4	1	mg/Kg	62499		03/02/06 2009	nnp
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		110	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		51	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		57	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		60	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		63	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Benzyl alcohol, Solid*	ND	U		71	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2-Methylphenol, Solid*	ND	U		100	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		53	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		51	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Hexachloroethane, Solid*	ND	U		66	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Methylphenol, Solid*	ND	U		200	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2-Chlorophenol, Solid*	ND	U		97	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Nitrobenzene, Solid*	ND	U		45	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		64	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		63	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Isophorone, Solid*	ND	U		67	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,4-Dimethylphenol, Solid*	ND	U		190	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Hexachlorobutadiene, Solid*	ND	U		76	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Naphthalene, Solid*	ND	U		64	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,4-Dichlorophenol, Solid*	ND	U		120	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Chloroaniline, Solid*	ND	U		120	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		96	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		140	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		280	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2-Methylnaphthalene, Solid*	ND	U		60	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2-Nitroaniline, Solid*	ND	U		47	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-5
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloronaphthalene, Solid*	ND	U		55	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		130	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,6-Dinitrotoluene, Solid*	ND	U		69	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2-Nitrophenol, Solid*	ND	U		130	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	3-Nitroaniline, Solid*	ND	U		78	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Dimethyl phthalate, Solid*	ND	U		57	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,4-Dinitrophenol, Solid*	ND	U		130	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Acenaphthylene, Solid*	ND	U		46	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		67	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Acenaphthene, Solid*	ND	U		62	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Dibenzofuran, Solid*	ND	U		60	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Nitrophenol, Solid*	ND	U		160	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Fluorene, Solid*	ND	U		48	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Nitroaniline, Solid*	ND	U		54	740	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		57	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Hexachlorobenzene, Solid*	ND	U		55	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Diethyl phthalate, Solid*	ND	U		55	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		52	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Pentachlorophenol, Solid*	ND	U		320	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		56	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		270	1800	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Phenanthrene, Solid*	76	J		44	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Anthracene, Solid*	ND	U		62	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Carbazole, Solid*	ND	U		55	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Di-n-butyl phthalate, Solid*	ND	U		49	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Fluoranthene, Solid*	100	J		47	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Pyrene, Solid*	98	J		52	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Butyl benzyl phthalate, Solid*	ND	U		48	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Benzo(a)anthracene, Solid*	92	J		51	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-5
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Solid*	90	J		47	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		100	740	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Bis(2-ethylhexyl)phthalate, Solid*	52	J		49	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Di-n-octyl phthalate, Solid*	ND	U		39	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Benzo(b)fluoranthene, Solid*	210	J	M	100	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Benzo(k)fluoranthene, Solid*	57	J	M	42	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Benzo(a)pyrene, Solid*	140	J		46	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	130	J		38	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Dibenzo(a,h)anthracene, Solid*	ND	U		42	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
	Benzo(ghi)perylene, Solid*	170	J		42	370	1.00000	ug/Kg	62619		03/02/06 0041	jdw
8260B	Volatile Organics											
	Chloromethane, Solid*	ND	U		1.1	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Vinyl chloride, Solid*	ND	U		1.0	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Bromomethane, Solid*	ND	U		0.96	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Chloroethane, Solid*	ND	U		2.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.3	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Carbon disulfide, Solid*	ND	U		0.71	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Acetone, Solid*	6.7	J	B	3.7	23	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Methylene chloride, Solid*	13	J	B	2.6	23	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.68	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,1-Dichloroethane, Solid*	ND	U		0.95	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	2-Butanone (MEK), Solid*	ND	U		2.1	12	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Chloroform, Solid*	ND	U		0.62	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		0.98	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Carbon tetrachloride, Solid*	ND	U		0.91	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Benzene, Solid*	ND	U		1.0	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(0-4)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-5
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Trichloroethene, Solid*	ND	U		0.79	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Bromodichloromethane, Solid*	ND	U		0.98	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.91	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.4	12	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Toluene, Solid*	ND	U		0.98	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.1	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Tetrachloroethene, Solid*	ND	U	H	0.82	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	2-Hexanone, Solid*	ND	U		3.0	12	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Dibromochloromethane, Solid*	ND	U		0.48	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Chlorobenzene, Solid*	ND	U		0.92	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Ethylbenzene, Solid*	ND	U		0.92	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Styrene, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Bromoform, Solid*	ND	U		1.2	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.4	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd
	Xylenes (total), Solid*	ND	U		2.3	5.8	1.00000	ug/Kg	62331		02/27/06 1429	lhd

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-6
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
ASTM D-2216												
	% Solids, Solid	82.8			0.10	0.10	1	%	62386		03/01/06 0000	rlm
	% Moisture, Solid	17.2			0.10	0.10	1	%	62386		03/01/06 0000	rlm
7471A	Mercury (CVAA) Solids											
	Mercury, Solid*	0.23			0.012	0.041	1.0000	mg/Kg	62266		02/28/06 1131	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Solid*	6350			23.8	307	1	mg/Kg	62499		03/02/06 2016	nnp
	Antimony, Solid*	ND	U	N	1.4	13.9	1	mg/Kg	62499		03/02/06 2016	nnp
	Arsenic, Solid*	3.5	B		1.5	9.5	1	mg/Kg	62499		03/02/06 2016	nnp
	Barium, Solid*	75.7		N	0.22	2.4	1	mg/Kg	62499		03/02/06 2016	nnp
	Beryllium, Solid*	ND	U	N	0.59	2.4	1	mg/Kg	62499		03/02/06 2016	nnp
	Cadmium, Solid*	ND	U		1.2	3.6	1	mg/Kg	62499		03/02/06 2016	nnp
	Calcium, Solid*	38100		*	13.8	101	1	mg/Kg	62499		03/02/06 2016	nnp
	Chromium, Solid*	15.1		*N	0.40	3.6	1	mg/Kg	62499		03/02/06 2016	nnp
	Cobalt, Solid*	5.6		N	0.50	2.4	1	mg/Kg	62499		03/02/06 2016	nnp
	Copper, Solid*	18.1		*N	0.95	5.9	1	mg/Kg	62499		03/02/06 2016	nnp
	Iron, Solid*	12600			12.1	172	1	mg/Kg	62499		03/02/06 2016	nnp
	Lead, Solid*	144			0.90	10.7	1	mg/Kg	62499		03/02/06 2016	nnp
	Magnesium, Solid*	3560			10.9	41.6	1	mg/Kg	62499		03/02/06 2016	nnp
	Manganese, Solid*	398			0.76	3.0	1	mg/Kg	62499		03/02/06 2016	nnp
	Nickel, Solid*	25.2		N	0.52	5.9	1	mg/Kg	62499		03/02/06 2016	nnp
	Potassium, Solid*	1510			47.6	238	1	mg/Kg	62499		03/02/06 2016	nnp
	Selenium, Solid*	ND	U		1.9	19.0	1	mg/Kg	62499		03/02/06 2016	nnp
	Silver, Solid*	ND	U	N	0.38	3.6	1	mg/Kg	62499		03/02/06 2016	nnp
	Sodium, Solid*	272			23.8	112	1	mg/Kg	62499		03/02/06 2016	nnp
	Thallium, Solid*	ND	U	N	5.0	11.9	1	mg/Kg	62499		03/02/06 2016	nnp
	Vanadium, Solid*	17.1		N	0.43	4.8	1	mg/Kg	62499		03/02/06 2016	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-6
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Zinc, Solid*	38.2			4.5	23.8	1	mg/Kg	62499		03/02/06 2016	nnp
8270C	Semivolatile Organics											
	Phenol, Solid*	ND	U		110	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Bis(2-chloroethyl)ether, Solid*	ND	U		52	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	1,3-Dichlorobenzene, Solid*	ND	U		59	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	1,4-Dichlorobenzene, Solid*	ND	U		61	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	1,2-Dichlorobenzene, Solid*	ND	U		65	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Benzyl alcohol, Solid*	ND	U		73	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2-Methylphenol, Solid*	ND	U		100	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,2-oxybis (1-chloropropane), Solid*	ND	U		54	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	n-Nitroso-di-n-propylamine, Solid*	ND	U		52	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Hexachloroethane, Solid*	ND	U		68	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Methylphenol, Solid*	420			210	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2-Chlorophenol, Solid*	ND	U		99	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Nitrobenzene, Solid*	ND	U		46	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Bis(2-chloroethoxy)methane, Solid*	ND	U		66	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	1,2,4-Trichlorobenzene, Solid*	ND	U		65	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Isophorone, Solid*	ND	U		69	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,4-Dimethylphenol, Solid*	ND	U		200	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Hexachlorobutadiene, Solid*	ND	U		79	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Naphthalene, Solid*	1100			66	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,4-Dichlorophenol, Solid*	ND	U		130	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Chloroaniline, Solid*	ND	U		120	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,4,6-Trichlorophenol, Solid*	ND	U		98	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,4,5-Trichlorophenol, Solid*	ND	U		140	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Hexachlorocyclopentadiene, Solid*	ND	U		290	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2-Methylnaphthalene, Solid*	2000			61	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2-Nitroaniline, Solid*	ND	U		48	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-6
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	2-Chloronaphthalene, Solid*	ND	U		57	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Chloro-3-methylphenol, Solid*	ND	U		130	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,6-Dinitrotoluene, Solid*	ND	U		70	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2-Nitrophenol, Solid*	ND	U		130	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	3-Nitroaniline, Solid*	ND	U		80	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Dimethyl phthalate, Solid*	ND	U		59	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,4-Dinitrophenol, Solid*	ND	U		130	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Acenaphthylene, Solid*	ND	U		47	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	2,4-Dinitrotoluene, Solid*	ND	U		69	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Acenaphthene, Solid*	1300		H	64	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Dibenzofuran, Solid*	1300			61	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Nitrophenol, Solid*	ND	U		160	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Fluorene, Solid*	2800			50	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Nitroaniline, Solid*	ND	U		55	760	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Bromophenyl phenyl ether, Solid*	ND	U		59	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Hexachlorobenzene, Solid*	ND	U		57	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Diethyl phthalate, Solid*	ND	U		57	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4-Chlorophenyl phenyl ether, Solid*	ND	U		53	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Pentachlorophenol, Solid*	ND	U		330	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	n-Nitrosodiphenylamine, Solid*	ND	U		58	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	4,6-Dinitro-2-methylphenol, Solid*	ND	U		280	1800	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Phenanthrene, Solid*	5300			45	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Anthracene, Solid*	990			64	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Carbazole, Solid*	ND	U		57	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Di-n-butyl phthalate, Solid*	ND	U		51	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Fluoranthene, Solid*	1500		H	48	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Pyrene, Solid*	1600			53	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Butyl benzyl phthalate, Solid*	ND	U		50	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Benzo(a)anthracene, Solid*	870			52	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-6
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Chrysene, Solid*	940			48	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	3,3-Dichlorobenzidine, Solid*	ND	U		100	760	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Bis(2-ethylhexyl)phthalate, Solid*	75	J		51	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Di-n-octyl phthalate, Solid*	ND	U		40	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Benzo(b)fluoranthene, Solid*	1200			110	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Benzo(k)fluoranthene, Solid*	530			43	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Benzo(a)pyrene, Solid*	1400			47	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Indeno(1,2,3-cd)pyrene, Solid*	1100			39	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Dibenzo(a,h)anthracene, Solid*	280	J		43	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
	Benzo(ghi)perylene, Solid*	1200			43	380	1.00000	ug/Kg	62619		03/02/06 0107	jdw
8260B	Volatile Organics											
	Chloromethane, Solid*	ND	U		1.1	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Vinyl chloride, Solid*	ND	U		1.1	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Bromomethane, Solid*	ND	U		0.99	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Chloroethane, Solid*	ND	U		2.3	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,1-Dichloroethene, Solid*	ND	U		1.3	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Carbon disulfide, Solid*	ND	U		0.74	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Acetone, Solid*	36		B	3.8	24	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Methylene chloride, Solid*	13	J	B	2.7	24	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	trans-1,2-Dichloroethene, Solid*	ND	U		0.70	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,1-Dichloroethane, Solid*	ND	U		0.98	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	cis-1,2-Dichloroethene, Solid*	ND	U		1.3	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	2-Butanone (MEK), Solid*	ND	U		2.1	12	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Chloroform, Solid*	ND	U		0.64	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,1,1-Trichloroethane, Solid*	ND	U		1.0	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Carbon tetrachloride, Solid*	ND	U		0.94	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Benzene, Solid*	ND	U		1.0	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,2-Dichloroethane, Solid*	ND	U		1.2	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: S-3(4-8)
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Soil

Laboratory Sample ID: 212238-6
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Trichloroethene, Solid*	ND	U		0.82	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,2-Dichloropropane, Solid*	ND	U		1.3	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Bromodichloromethane, Solid*	ND	U		1.0	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	cis-1,3-Dichloropropene, Solid*	ND	U		0.94	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	4-Methyl-2-pentanone (MIBK), Solid*	ND	U		1.4	12	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Toluene, Solid*	ND	U		1.0	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	trans-1,3-Dichloropropene, Solid*	ND	U		1.1	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,1,2-Trichloroethane, Solid*	ND	U		1.3	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Tetrachloroethene, Solid*	ND	U		0.85	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	2-Hexanone, Solid*	ND	U		3.1	12	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Dibromochloromethane, Solid*	ND	U		0.50	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Chlorobenzene, Solid*	ND	U		0.95	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Ethylbenzene, Solid*	ND	U		0.95	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Styrene, Solid*	ND	U		1.3	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Bromoform, Solid*	ND	U		1.2	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	1,1,2,2-Tetrachloroethane, Solid*	ND	U		1.5	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd
	Xylenes (total), Solid*	ND	U		2.4	6.0	1.00000	ug/Kg	62331		02/27/06 1612	lhd

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: GW-1
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212238-7
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
7470A	Mercury (CVAA)											
	Mercury	ND	U		0.070	0.20	1.0000	ug/L	62286		02/28/06 1522	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum	27400			92.0	500	1	ug/L	62390		03/01/06 1935	nnp
	Antimony	ND	U		5.4	20.0	1	ug/L	62390		03/01/06 1935	nnp
	Arsenic	81.0			3.9	40.0	1	ug/L	62390		03/01/06 1935	nnp
	Barium	3030			0.74	5.0	1	ug/L	62390		03/01/06 1935	nnp
	Beryllium	5.1			0.54	5.0	1	ug/L	62390		03/01/06 1935	nnp
	Cadmium	ND	U		1.1	10.0	1	ug/L	62390		03/01/06 1935	nnp
	Calcium	209000			56.0	300	1	ug/L	62390		03/01/06 1935	nnp
	Chromium	47.0			1.3	10.0	1	ug/L	62390		03/01/06 1935	nnp
	Cobalt	17.1			1.8	10.0	1	ug/L	62390		03/01/06 1935	nnp
	Copper	17.2			4.3	10.0	1	ug/L	62390		03/01/06 1935	nnp
	Iron	36500			54.0	200	1	ug/L	62390		03/01/06 1935	nnp
	Lead	433			3.0	10.0	1	ug/L	62390		03/01/06 1935	nnp
	Magnesium	46700			26.0	100	1	ug/L	62390		03/01/06 1935	nnp
	Manganese	2370			6.9	15.0	1	ug/L	62390		03/01/06 1935	nnp
	Nickel	38.4			1.9	10.0	1	ug/L	62390		03/01/06 1935	nnp
	Potassium	42700			191	400	1	ug/L	62390		03/01/06 1935	nnp
	Selenium	ND	U	N	5.0	30.0	1	ug/L	62390		03/01/06 1935	nnp
	Silver	ND	U		1.1	6.0	1	ug/L	62390		03/01/06 1935	nnp
	Sodium	149000			98.0	400	1	ug/L	62390		03/01/06 1935	nnp
	Thallium	ND	U		10.0	40.0	1	ug/L	62390		03/01/06 1935	nnp
	Vanadium	201			1.5	6.0	1	ug/L	62390		03/01/06 1935	nnp
	Zinc	349			11.0	50.0	1	ug/L	62390		03/01/06 1935	nnp
8270C	Semivolatile Organics											
	Phenol	ND	U		0.4	10	1.00000	ug/L	62618		02/27/06 1656	jdw

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: GW-1
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212238-7
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Bis(2-chloroethyl)ether	ND	U		0.9	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	1,3-Dichlorobenzene	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	1,4-Dichlorobenzene	ND	U		0.5	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	1,2-Dichlorobenzene	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Benzyl alcohol	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2-Methylphenol	ND	U		0.6	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,2-oxybis (1-chloropropane)	ND	U		0.6	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	n-Nitroso-di-n-propylamine	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Hexachloroethane	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Methylphenol	ND	U		0.3	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2-Chlorophenol	ND	U		0.6	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Nitrobenzene	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Bis(2-chloroethoxy)methane	ND	U		0.5	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	1,2,4-Trichlorobenzene	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Isophorone	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,4-Dimethylphenol	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Hexachlorobutadiene	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Naphthalene	8	J		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,4-Dichlorophenol	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Chloroaniline	ND	U		0.4	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,4,6-Trichlorophenol	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,4,5-Trichlorophenol	ND	U		0.8	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	Hexachlorocyclopentadiene	ND	U		2	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2-Methylnaphthalene	15			0.6	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2-Nitroaniline	ND	U		1	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	2-Chloronaphthalene	ND	U		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Chloro-3-methylphenol	ND	U		0.5	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,6-Dinitrotoluene	ND	U		0.6	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2-Nitrophenol	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: GW-1
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212238-7
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	3-Nitroaniline	ND	U		0.7	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	Dimethyl phthalate	ND	U		0.6	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,4-Dinitrophenol	ND	U		5	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	Acenaphthylene	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	2,4-Dinitrotoluene	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Acenaphthene	3	J		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Dibenzofuran	1	J		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Nitrophenol	ND	U		2	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	Fluorene	3	J		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Nitroaniline	ND	U		1	20	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Bromophenyl phenyl ether	ND	U		0.9	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Hexachlorobenzene	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Diethyl phthalate	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4-Chlorophenyl phenyl ether	ND	U		0.8	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Pentachlorophenol	ND	U		5	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	n-Nitrosodiphenylamine	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	4,6-Dinitro-2-methylphenol	ND	U		4	50	1.00000	ug/L	62618		02/27/06 1656	jdw
	Phenanthrene	4	J		0.7	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Anthracene	1	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Carbazole	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Di-n-butyl phthalate	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Fluoranthene	2	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Pyrene	2	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Butyl benzyl phthalate	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Benzo(a)anthracene	2	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Chrysene	2	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	3,3-Dichlorobenzidine	ND	U		1	20	1.00000	ug/L	62618		02/27/06 1656	jdw
	Bis(2-ethylhexyl)phthalate	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Di-n-octyl phthalate	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: GW-1
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212238-7
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Benzo(b)fluoranthene	3	J		2	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Benzo(k)fluoranthene	ND	U		0.9	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Benzo(a)pyrene	3	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Indeno(1,2,3-cd)pyrene	1	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Dibenzo(a,h)anthracene	ND	U		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
	Benzo(ghi)perylene	2	J		1	10	1.00000	ug/L	62618		02/27/06 1656	jdw
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		0.50	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Vinyl chloride	ND	U		0.80	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Bromomethane	ND	U		1.2	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Chloroethane	ND	U		0.80	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,1-Dichloroethene	ND	U		0.70	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Carbon disulfide	ND	U		0.90	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Acetone	2.2	J		1.4	10	1.00000	ug/L	62329		02/27/06 1327	lhd
	Methylene chloride	ND	U		0.40	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	trans-1,2-Dichloroethene	ND	U		0.50	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,1-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	cis-1,2-Dichloroethene	ND	U		0.60	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	2-Butanone (MEK)	ND	U		1.2	10	1.00000	ug/L	62329		02/27/06 1327	lhd
	Chloroform	ND	U		0.70	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,1,1-Trichloroethane	ND	U		0.40	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Carbon tetrachloride	ND	U		1.0	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Benzene	0.72	J		0.40	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,2-Dichloroethane	ND	U		0.60	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Trichloroethene	ND	U		0.70	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,2-Dichloropropane	ND	U		0.90	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Bromodichloromethane	ND	U		0.40	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	cis-1,3-Dichloropropene	ND	U		0.50	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd

* In Description = Dry Wgt.

Job Number: 212238

LABORATORY TEST RESULTS

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: GW-1
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212238-7
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	4-Methyl-2-pentanone (MIBK)	ND	U		0.70	10	1.00000	ug/L	62329		02/27/06 1327	lhd
	Toluene	0.78	J		0.30	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	trans-1,3-Dichloropropene	ND	U		0.80	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,1,2-Trichloroethane	ND	U		0.60	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Tetrachloroethene	0.66	J		0.50	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	2-Hexanone	ND	U		0.80	10	1.00000	ug/L	62329		02/27/06 1327	lhd
	Dibromochloromethane	ND	U		0.50	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Chlorobenzene	ND	U		0.40	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Ethylbenzene	ND	U		1.0	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Styrene	ND	U		0.50	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Bromoform	ND	U		0.80	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	1,1,2,2-Tetrachloroethane	ND	U		0.40	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
	Xylenes (total)	2.1	J		1.0	5.0	1.00000	ug/L	62329		02/27/06 1327	lhd
7470A	Mercury (CVAA)											
	Mercury, Diss.	ND	U		0.070	0.20	1.0000	ug/L	62286		02/28/06 1523	nnp
6010B	Metals Analysis (ICAP Trace)											
	Aluminum, Diss.	ND	U		92.0	500	1	ug/L	62390		03/01/06 1959	nnp
	Antimony, Diss.	ND	U		5.4	20.0	1	ug/L	62390		03/01/06 1959	nnp
	Arsenic, Diss.	11.2	B		3.9	40.0	1	ug/L	62390		03/01/06 1959	nnp
	Barium, Diss.	84.6			0.74	5.0	1	ug/L	62390		03/01/06 1959	nnp
	Beryllium, Diss.	ND	U		0.54	5.0	1	ug/L	62390		03/01/06 1959	nnp
	Cadmium, Diss.	ND	U		1.1	10.0	1	ug/L	62390		03/01/06 1959	nnp
	Calcium, Diss.	97100			56.0	300	1	ug/L	62390		03/01/06 1959	nnp
	Chromium, Diss.	ND	U		1.3	10.0	1	ug/L	62390		03/01/06 1959	nnp
	Cobalt, Diss.	ND	U		1.8	10.0	1	ug/L	62390		03/01/06 1959	nnp
	Copper, Diss.	ND	U		4.3	10.0	1	ug/L	62390		03/01/06 1959	nnp
	Iron, Diss.	ND	U		54.0	200	1	ug/L	62390		03/01/06 1959	nnp

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 212238

Date:03/09/2006

CUSTOMER: ROUX ASSOCIATES

PROJECT: ALF WEST 21ST 126201

ATTN: Bill Holubowich

Customer Sample ID: GW-1
Date Sampled.....: 02/24/2006
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 212238-7
Date Received.....: 02/25/2006
Time Received.....: 10:20

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Lead, Diss.	ND	U		3.0	10.0	1	ug/L	62390		03/01/06 1959	nnp
	Magnesium, Diss.	38000			26.0	100	1	ug/L	62390		03/01/06 1959	nnp
	Manganese, Diss.	473			6.9	15.0	1	ug/L	62390		03/01/06 1959	nnp
	Nickel, Diss.	ND	U		1.9	10.0	1	ug/L	62390		03/01/06 1959	nnp
	Potassium, Diss.	33500			191	400	1	ug/L	62390		03/01/06 1959	nnp
	Selenium, Diss.	ND	U	N	5.0	30.0	1	ug/L	62390		03/01/06 1959	nnp
	Silver, Diss.	ND	U		1.1	6.0	1	ug/L	62390		03/01/06 1959	nnp
	Sodium, Diss.	141000			98.0	400	1	ug/L	62390		03/01/06 1959	nnp
	Thallium, Diss.	ND	U		10.0	40.0	1	ug/L	62390		03/01/06 1959	nnp
	Vanadium, Diss.	9.8			1.5	6.0	1	ug/L	62390		03/01/06 1959	nnp
	Zinc, Diss.	ND	U		11.0	50.0	1	ug/L	62390		03/01/06 1959	nnp

* In Description = Dry Wgt.

Chain of Custody Record

STL-4124 (0605)

..L Co...ticut
128 Long Hill Cross Road
Shelton, CT 06484
Tel: 203-929-8140
Fax: 203-929-8142

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

Client: Roux / Noman	Project Manager: Bill Holubowich	Date: 2/24/06	Chain of Custody Number: 10519
Address: 209 Shafter Street	Telephone Number (Area Code)/Fax Number: 631. 232. 2600	Lab Number	Page 1 of 1
City: Islandia; State: NY; Zip Code: 11749	Site Contact	Lab Contact	
Project Name and Location (State): 549-547 West 21 Street	Rad. Screen		
Contract/Purchase Order/Project No.: 1260201Y			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Lab ID	Matrix: Aqueous	Solid	Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOCs	SVOCs/metals	metals	Comments
S-1 (0-4)	2/24/06				X								1	1		
S-1 (4-8)					X								1	1		
S-2 (0-4)					X								1	1		
S-2 (4-8)					X								1	1		
S-3 (0-4)					X								1	1		
S-3 (4-8					X								1	1		
GW-1				X									2	2	2	GW Lab filtered and unfiltered

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☒ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By: Bill Holubowich	Date: 2/24/06	Time	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Received By	Date	Time	Cooler Temps		

Comments: Laboratory will run filtered and unfiltered groundwater samples for metals

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

ANALYTICAL REPORT

Job Number: 200-12536-1

SDG Number: 200-12536-1

Job Description: 551 W 21st Street

For:
Roux Associates, Inc.
209 Shafter Street
Islandia, NY 11749-5074

Attention: Ms. Maria Drakos

Approved for release.
Ryan J Hammond
Project Manager I
9/13/2012 12:37 PM

Ryan J Hammond
Project Manager I
ryan.hammond@testamericainc.com
09/13/2012

The test results in this report relate only to sample(s) as received by the laboratory. These test results were derived under a quality system that adheres to the requirements of NELAC. Pursuant to NELAC, this report may not be produced in full without written approval from the laboratory

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CASE NARRATIVE

Client: Roux Associates, Inc.

Project: 551 W 21st Street

Report Number: 200-12536-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 08/30/2012; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS

Samples SV-1, SV-2 and SV-3 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 09/08/2012.

No difficulties were encountered during the VOC analyses.

All quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Instrument ID: C.i Analysis Batch Number: 43490

Lab Sample ID: IC 200-43490/3 Client Sample ID:

Date Analyzed: 08/14/12 18:13 Lab File ID: ckz003.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	5.13	Poor chromatography	ahk	08/14/12 22:55
Carbon tetrachloride	12.78	Poor chromatography		

Lab Sample ID: IC 200-43490/4 Client Sample ID:

Date Analyzed: 08/14/12 19:07 Lab File ID: ckz004.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	8.95	Poor chromatography		
Methyl tert-butyl ether	9.66	Poor chromatography		
n-Butanol	14.24	Analyte misidentified by the data system	ahk	08/14/12 23:01
trans-1,3-Dichloropropene	17.23	Poor chromatography		
n-Nonane	19.79	Peak not found by the data system	ahk	08/14/12 23:02
n-Dodecane	25.46	Peak not found by the data system	ahk	08/14/12 23:02

Lab Sample ID: IC 200-43490/5 Client Sample ID:

Date Analyzed: 08/14/12 20:00 Lab File ID: ckz005.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	14.24	Peak not found by the data system	ahk	08/14/12 23:04

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Instrument ID: C.i Analysis Batch Number: 44641

Lab Sample ID: CCVIS 200-44641/2 Client Sample ID:

Date Analyzed: 09/07/12 13:04 Lab File ID: ckzq002.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.86	Baseline event	pd	09/07/12 13:36
Acetonitrile	8.91	Baseline event	pd	09/07/12 13:37

Lab Sample ID: LCS 200-44641/3 Client Sample ID:

Date Analyzed: 09/07/12 13:56 Lab File ID: ckzq003.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.86	Baseline event	pd	09/07/12 14:49

Lab Sample ID: 200-12536-1 Client Sample ID: SV-1

Date Analyzed: 09/08/12 05:57 Lab File ID: ckzq021.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromodichloromethane	15.29	Baseline event	wrd	09/10/12 08:54

Lab Sample ID: 200-12536-3 Client Sample ID: SV-3

Date Analyzed: 09/08/12 07:44 Lab File ID: ckzq023.d GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,2,4-Trimethylpentane	13.18	Baseline event	wrd	09/10/12 08:56

SAMPLE SUMMARY

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
200-12536-1	SV-1	Air	08/24/2012 1700	08/30/2012 0950
200-12536-2	SV-2	Air	08/24/2012 1700	08/30/2012 0950
200-12536-3	SV-3	Air	08/28/2012 1425	08/30/2012 0950

METHOD SUMMARY

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

Description	Lab Location	Method	Preparation Method
Matrix: Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

Method	Analyst	Analyst ID
EPA TO-15	Desjardins, William R	WRD

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

Client Sample ID: **SV-1**

Lab Sample ID: 200-12536-1
Client Matrix: Air

Date Sampled: 08/24/2012 1700
Date Received: 08/30/2012 0950

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44641	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzq021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/08/2012 0557			Final Weight/Volume:	200 mL
Prep Date:	09/08/2012 0557			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Vinyl chloride	0.20	U	0.20
1,3-Butadiene	0.20	U	0.20
Bromomethane	0.20	U	0.20
Chloroethane	0.50	U	0.50
Bromoethene(Vinyl Bromide)	0.20	U	0.20
Trichlorofluoromethane	0.26		0.20
1,1-Dichloroethene	0.20	U	0.20
3-Chloropropene	0.50	U	0.50
Methylene Chloride	1.2		0.50
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
n-Hexane	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.20	U	0.20
Chloroform	1.6		0.20
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.20	U	0.20
Carbon tetrachloride	0.20	U	0.20
2,2,4-Trimethylpentane	0.36		0.20
Benzene	0.28		0.20
1,2-Dichloroethane	0.20	U	0.20
n-Heptane	0.21		0.20
Trichloroethene	0.20	U	0.20
1,2-Dichloropropane	0.20	U	0.20
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
Toluene	6.3		0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20
Tetrachloroethene	0.20	U	0.20
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Ethylbenzene	2.3		0.20
m,p-Xylene	11		0.50
Xylene, o-	5.3		0.20
Xylene (total)	17		0.20
Bromoform	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
4-Ethyltoluene	0.54		0.20
1,3,5-Trimethylbenzene	0.56		0.20

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	2.5	U	2.5

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

Client Sample ID: **SV-1**

Lab Sample ID: 200-12536-1
Client Matrix: Air

Date Sampled: 08/24/2012 1700
Date Received: 08/30/2012 0950

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44641	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzq021.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/08/2012 0557			Final Weight/Volume:	200 mL
Prep Date:	09/08/2012 0557			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Vinyl chloride	0.51	U	0.51
1,3-Butadiene	0.44	U	0.44
Bromomethane	0.78	U	0.78
Chloroethane	1.3	U	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87
Trichlorofluoromethane	1.5		1.1
1,1-Dichloroethene	0.79	U	0.79
3-Chloropropene	1.6	U	1.6
Methylene Chloride	4.2		1.7
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
n-Hexane	0.70	U	0.70
1,1-Dichloroethane	0.81	U	0.81
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	0.79	U	0.79
Chloroform	8.0		0.98
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.69	U	0.69
Carbon tetrachloride	1.3	U	1.3
2,2,4-Trimethylpentane	1.7		0.93
Benzene	0.90		0.64
1,2-Dichloroethane	0.81	U	0.81
n-Heptane	0.86		0.82
Trichloroethene	1.1	U	1.1
1,2-Dichloropropane	0.92	U	0.92
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
Toluene	24		0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1
Tetrachloroethene	1.4	U	1.4
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Ethylbenzene	10		0.87
m,p-Xylene	49		2.2
Xylene, o-	23		0.87
Xylene (total)	72		0.87
Bromoform	2.1	U	2.1
1,1,2,2-Tetrachloroethane	1.4	U	1.4
4-Ethyltoluene	2.7		0.98
1,3,5-Trimethylbenzene	2.7		0.98

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

Client Sample ID: **SV-2**

Lab Sample ID: 200-12536-2
Client Matrix: Air

Date Sampled: 08/24/2012 1700
Date Received: 08/30/2012 0950

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44641	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzq022.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/08/2012 0650			Final Weight/Volume:	200 mL
Prep Date:	09/08/2012 0650			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Vinyl chloride	0.20	U	0.20
1,3-Butadiene	0.20	U	0.20
Bromomethane	0.20	U	0.20
Chloroethane	0.50	U	0.50
Bromoethene(Vinyl Bromide)	0.20	U	0.20
Trichlorofluoromethane	0.25		0.20
1,1-Dichloroethene	0.20	U	0.20
3-Chloropropene	0.50	U	0.50
Methylene Chloride	10		0.50
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
n-Hexane	0.27		0.20
1,1-Dichloroethane	0.20	U	0.20
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.20	U	0.20
Chloroform	1.5		0.20
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.29		0.20
Carbon tetrachloride	0.20	U	0.20
2,2,4-Trimethylpentane	0.33		0.20
Benzene	0.69		0.20
1,2-Dichloroethane	0.20	U	0.20
n-Heptane	0.28		0.20
Trichloroethene	0.20	U	0.20
1,2-Dichloropropane	0.20	U	0.20
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
Toluene	6.5		0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20
Tetrachloroethene	0.33		0.20
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Ethylbenzene	1.9		0.20
m,p-Xylene	8.9		0.50
Xylene, o-	3.9		0.20
Xylene (total)	13		0.20
Bromoform	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
4-Ethyltoluene	0.33		0.20
1,3,5-Trimethylbenzene	0.34		0.20

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	2.5	U	2.5

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

Client Sample ID: **SV-2**

Lab Sample ID: 200-12536-2
Client Matrix: Air

Date Sampled: 08/24/2012 1700
Date Received: 08/30/2012 0950

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44641	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzq022.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/08/2012 0650			Final Weight/Volume:	200 mL
Prep Date:	09/08/2012 0650			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Vinyl chloride	0.51	U	0.51
1,3-Butadiene	0.44	U	0.44
Bromomethane	0.78	U	0.78
Chloroethane	1.3	U	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87
Trichlorofluoromethane	1.4		1.1
1,1-Dichloroethene	0.79	U	0.79
3-Chloropropene	1.6	U	1.6
Methylene Chloride	35		1.7
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
n-Hexane	0.96		0.70
1,1-Dichloroethane	0.81	U	0.81
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	0.79	U	0.79
Chloroform	7.3		0.98
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.99		0.69
Carbon tetrachloride	1.3	U	1.3
2,2,4-Trimethylpentane	1.5		0.93
Benzene	2.2		0.64
1,2-Dichloroethane	0.81	U	0.81
n-Heptane	1.1		0.82
Trichloroethene	1.1	U	1.1
1,2-Dichloropropane	0.92	U	0.92
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
Toluene	24		0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1
Tetrachloroethene	2.2		1.4
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Ethylbenzene	8.2		0.87
m,p-Xylene	39		2.2
Xylene, o-	17		0.87
Xylene (total)	55		0.87
Bromoform	2.1	U	2.1
1,1,2,2-Tetrachloroethane	1.4	U	1.4
4-Ethyltoluene	1.6		0.98
1,3,5-Trimethylbenzene	1.7		0.98

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

Client Sample ID: **SV-3**

Lab Sample ID: 200-12536-3
Client Matrix: Air

Date Sampled: 08/28/2012 1425
Date Received: 08/30/2012 0950

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44641	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzq023.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/08/2012 0744			Final Weight/Volume:	200 mL
Prep Date:	09/08/2012 0744			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL
Dichlorodifluoromethane	0.50	U	0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Vinyl chloride	0.20	U	0.20
1,3-Butadiene	0.20	U	0.20
Bromomethane	0.20	U	0.20
Chloroethane	0.50	U	0.50
Bromoethene(Vinyl Bromide)	0.20	U	0.20
Trichlorofluoromethane	0.24		0.20
1,1-Dichloroethene	0.20	U	0.20
3-Chloropropene	0.50	U	0.50
Methylene Chloride	1.9		0.50
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
n-Hexane	0.32		0.20
1,1-Dichloroethane	0.20	U	0.20
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.20	U	0.20
Chloroform	0.29		0.20
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.56		0.20
Carbon tetrachloride	0.20	U	0.20
2,2,4-Trimethylpentane	0.20	U	0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
n-Heptane	0.20	U	0.20
Trichloroethene	0.20	U	0.20
1,2-Dichloropropane	0.20	U	0.20
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
Toluene	4.0		0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20
Tetrachloroethene	3.3		0.20
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Ethylbenzene	0.41		0.20
m,p-Xylene	1.7		0.50
Xylene, o-	0.79		0.20
Xylene (total)	2.5		0.20
Bromoform	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.23		0.20

Analyte	Result (ug/m3)	Qualifier	RL
Dichlorodifluoromethane	2.5	U	2.5

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

Client Sample ID: **SV-3**

Lab Sample ID: 200-12536-3
Client Matrix: Air

Date Sampled: 08/28/2012 1425
Date Received: 08/30/2012 0950

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-44641	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckzq023.d
Dilution:	1.0			Initial Weight/Volume:	200 mL
Analysis Date:	09/08/2012 0744			Final Weight/Volume:	200 mL
Prep Date:	09/08/2012 0744			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Vinyl chloride	0.51	U	0.51
1,3-Butadiene	0.44	U	0.44
Bromomethane	0.78	U	0.78
Chloroethane	1.3	U	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87
Trichlorofluoromethane	1.4		1.1
1,1-Dichloroethene	0.79	U	0.79
3-Chloropropene	1.6	U	1.6
Methylene Chloride	6.5		1.7
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
n-Hexane	1.1		0.70
1,1-Dichloroethane	0.81	U	0.81
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	0.79	U	0.79
Chloroform	1.4		0.98
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	1.9		0.69
Carbon tetrachloride	1.3	U	1.3
2,2,4-Trimethylpentane	0.93	U	0.93
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
n-Heptane	0.82	U	0.82
Trichloroethene	1.1	U	1.1
1,2-Dichloropropane	0.92	U	0.92
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
Toluene	15		0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1
Tetrachloroethene	22		1.4
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Ethylbenzene	1.8		0.87
m,p-Xylene	7.4		2.2
Xylene, o-	3.4		0.87
Xylene (total)	11		0.87
Bromoform	2.1	U	2.1
1,1,2,2-Tetrachloroethane	1.4	U	1.4
4-Ethyltoluene	0.98	U	0.98
1,3,5-Trimethylbenzene	1.1		0.98

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

Method Blank - Batch: 200-44641

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-44641/4	Analysis Batch:	200-44641	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzq004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/07/2012 1449	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	09/07/2012 1449			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL
Dichlorodifluoromethane	0.50	U	0.50
1,2-Dichlorotetrafluoroethane	0.20	U	0.20
Vinyl chloride	0.20	U	0.20
1,3-Butadiene	0.20	U	0.20
Bromomethane	0.20	U	0.20
Chloroethane	0.50	U	0.50
Bromoethene(Vinyl Bromide)	0.20	U	0.20
Trichlorofluoromethane	0.20	U	0.20
1,1-Dichloroethene	0.20	U	0.20
3-Chloropropene	0.50	U	0.50
Methylene Chloride	0.50	U	0.50
Methyl tert-butyl ether	0.20	U	0.20
trans-1,2-Dichloroethene	0.20	U	0.20
n-Hexane	0.20	U	0.20
1,1-Dichloroethane	0.20	U	0.20
cis-1,2-Dichloroethene	0.20	U	0.20
1,2-Dichloroethene, Total	0.20	U	0.20
Chloroform	0.20	U	0.20
1,1,1-Trichloroethane	0.20	U	0.20
Cyclohexane	0.20	U	0.20
Carbon tetrachloride	0.20	U	0.20
2,2,4-Trimethylpentane	0.20	U	0.20
Benzene	0.20	U	0.20
1,2-Dichloroethane	0.20	U	0.20
n-Heptane	0.20	U	0.20
Trichloroethene	0.20	U	0.20
1,2-Dichloropropane	0.20	U	0.20
Bromodichloromethane	0.20	U	0.20
cis-1,3-Dichloropropene	0.20	U	0.20
Toluene	0.20	U	0.20
trans-1,3-Dichloropropene	0.20	U	0.20
1,1,2-Trichloroethane	0.20	U	0.20
Tetrachloroethene	0.20	U	0.20
Dibromochloromethane	0.20	U	0.20
1,2-Dibromoethane	0.20	U	0.20
Ethylbenzene	0.20	U	0.20
m,p-Xylene	0.50	U	0.50
Xylene, o-	0.20	U	0.20
Xylene (total)	0.20	U	0.20
Bromoform	0.20	U	0.20
1,1,2,2-Tetrachloroethane	0.20	U	0.20
4-Ethyltoluene	0.20	U	0.20
1,3,5-Trimethylbenzene	0.20	U	0.20

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

Method Blank - Batch: 200-44641

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	MB 200-44641/4	Analysis Batch:	200-44641	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzq004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/07/2012 1449	Units:	ug/m3	Final Weight/Volume:	200 mL
Prep Date:	09/07/2012 1449			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Result	Qual	RL
Dichlorodifluoromethane	2.5	U	2.5
1,2-Dichlorotetrafluoroethane	1.4	U	1.4
Vinyl chloride	0.51	U	0.51
1,3-Butadiene	0.44	U	0.44
Bromomethane	0.78	U	0.78
Chloroethane	1.3	U	1.3
Bromoethene(Vinyl Bromide)	0.87	U	0.87
Trichlorofluoromethane	1.1	U	1.1
1,1-Dichloroethene	0.79	U	0.79
3-Chloropropene	1.6	U	1.6
Methylene Chloride	1.7	U	1.7
Methyl tert-butyl ether	0.72	U	0.72
trans-1,2-Dichloroethene	0.79	U	0.79
n-Hexane	0.70	U	0.70
1,1-Dichloroethane	0.81	U	0.81
cis-1,2-Dichloroethene	0.79	U	0.79
1,2-Dichloroethene, Total	0.79	U	0.79
Chloroform	0.98	U	0.98
1,1,1-Trichloroethane	1.1	U	1.1
Cyclohexane	0.69	U	0.69
Carbon tetrachloride	1.3	U	1.3
2,2,4-Trimethylpentane	0.93	U	0.93
Benzene	0.64	U	0.64
1,2-Dichloroethane	0.81	U	0.81
n-Heptane	0.82	U	0.82
Trichloroethene	1.1	U	1.1
1,2-Dichloropropane	0.92	U	0.92
Bromodichloromethane	1.3	U	1.3
cis-1,3-Dichloropropene	0.91	U	0.91
Toluene	0.75	U	0.75
trans-1,3-Dichloropropene	0.91	U	0.91
1,1,2-Trichloroethane	1.1	U	1.1
Tetrachloroethene	1.4	U	1.4
Dibromochloromethane	1.7	U	1.7
1,2-Dibromoethane	1.5	U	1.5
Ethylbenzene	0.87	U	0.87
m,p-Xylene	2.2	U	2.2
Xylene, o-	0.87	U	0.87
Xylene (total)	0.87	U	0.87
Bromoform	2.1	U	2.1
1,1,2,2-Tetrachloroethane	1.4	U	1.4
4-Ethyltoluene	0.98	U	0.98
1,3,5-Trimethylbenzene	0.98	U	0.98

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

Lab Control Sample - Batch: 200-44641

Method: TO-15
Preparation: Summa Canister

Lab Sample ID:	LCS 200-44641/3	Analysis Batch:	200-44641	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckzq003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	09/07/2012 1356	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	09/07/2012 1356			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	9.35	94	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	9.20	92	70 - 130	
Vinyl chloride	10.0	8.25	83	70 - 130	
1,3-Butadiene	10.0	8.49	85	70 - 130	
Bromomethane	10.0	8.72	87	70 - 130	
Chloroethane	10.0	8.16	82	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	9.72	97	70 - 130	
Trichlorofluoromethane	10.0	9.51	95	70 - 130	
1,1-Dichloroethene	10.0	10.2	102	70 - 130	
3-Chloropropene	10.0	8.29	83	70 - 130	
Methylene Chloride	10.0	8.72	87	70 - 130	
Methyl tert-butyl ether	10.0	9.00	90	70 - 130	
trans-1,2-Dichloroethene	10.0	8.82	88	70 - 130	
n-Hexane	10.0	8.48	85	70 - 130	
1,1-Dichloroethane	10.0	8.67	87	70 - 130	
cis-1,2-Dichloroethene	10.0	9.29	93	70 - 130	
Chloroform	10.0	9.25	93	70 - 130	
1,1,1-Trichloroethane	10.0	9.51	95	70 - 130	
Cyclohexane	10.0	9.10	91	70 - 130	
Carbon tetrachloride	10.0	9.47	95	70 - 130	
2,2,4-Trimethylpentane	10.0	8.43	84	70 - 130	
Benzene	10.0	8.76	88	70 - 130	
1,2-Dichloroethane	10.0	9.36	94	70 - 130	
n-Heptane	10.0	8.15	82	70 - 130	
Trichloroethene	10.0	9.36	94	70 - 130	
1,2-Dichloropropane	10.0	8.36	84	70 - 130	
Bromodichloromethane	10.0	9.78	98	70 - 130	
cis-1,3-Dichloropropene	10.0	8.87	89	70 - 130	
Toluene	10.0	9.21	92	70 - 130	
trans-1,3-Dichloropropene	10.0	9.04	90	70 - 130	
1,1,2-Trichloroethane	10.0	8.54	85	70 - 130	
Tetrachloroethene	10.0	10.0	100	70 - 130	
Dibromochloromethane	10.0	10.5	105	70 - 130	
1,2-Dibromoethane	10.0	9.48	95	70 - 130	
Ethylbenzene	10.0	8.97	90	70 - 130	
m,p-Xylene	20.0	18.3	92	70 - 130	
Xylene, o-	10.0	9.16	92	70 - 130	
Bromoform	10.0	10.6	106	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	8.45	85	70 - 130	
4-Ethyltoluene	10.0	9.67	97	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.06	91	70 - 130	

DATA REPORTING QUALIFIERS

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

Lab Section	Qualifier	Description
Air - GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.

Client: Roux Associates, Inc.

Job Number: 200-12536-1
Sdg Number: 200-12536-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-44641					
LCS 200-44641/3	Lab Control Sample	T	Air	TO-15	
MB 200-44641/4	Method Blank	T	Air	TO-15	
200-12536-1	SV-1	T	Air	TO-15	
200-12536-2	SV-2	T	Air	TO-15	
200-12536-3	SV-3	T	Air	TO-15	

Report Basis
T = Total

Client: Roux Associates, Inc.

Job Number: 200-12536-1
SDG: 200-12536-1

Laboratory Chronicle

Lab ID: 200-12536-1 **Client ID:** SV-1

Sample Date/Time: 08/24/2012 17:00 Received Date/Time: 08/30/2012 09:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-12536-A-1		200-44641		09/08/2012 05:57	1	TAL BUR	WRD
A:TO-15	200-12536-A-1		200-44641		09/08/2012 05:57	1	TAL BUR	WRD

Lab ID: 200-12536-2 **Client ID:** SV-2

Sample Date/Time: 08/24/2012 17:00 Received Date/Time: 08/30/2012 09:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-12536-A-2		200-44641		09/08/2012 06:50	1	TAL BUR	WRD
A:TO-15	200-12536-A-2		200-44641		09/08/2012 06:50	1	TAL BUR	WRD

Lab ID: 200-12536-3 **Client ID:** SV-3

Sample Date/Time: 08/28/2012 14:25 Received Date/Time: 08/30/2012 09:50

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	200-12536-A-3		200-44641		09/08/2012 07:44	1	TAL BUR	WRD
A:TO-15	200-12536-A-3		200-44641		09/08/2012 07:44	1	TAL BUR	WRD

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-44641/4		200-44641		09/07/2012 14:49	1	TAL BUR	WRD
A:TO-15	MB 200-44641/4		200-44641		09/07/2012 14:49	1	TAL BUR	WRD

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-44641/3		200-44641		09/07/2012 13:56	1	TAL BUR	WRD
A:TO-15	LCS 200-44641/3		200-44641		09/07/2012 13:56	1	TAL BUR	WRD

Lab References:
TAL BUR = TestAmerica Burlington

Certification Summary

Client: Roux Associates, Inc.
Project/Site: 551 W 21st Street

TestAmerica Job ID: 200-12536-1
SDG: 200-12536-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	ACLASS	DoD ELAP		ADE-1492
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act	State Program	3	NA
TestAmerica Burlington	Florida	NELAC	4	E87467
TestAmerica Burlington	Louisiana	NELAC	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAC	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAC	1	200610
TestAmerica Burlington	New Jersey	NELAC Primary AB	2	VT972
TestAmerica Burlington	New York	NELAC	2	10391
TestAmerica Burlington	Pennsylvania	NELAC	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAC	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method TO15

Volatile Organic Compounds (GC/MS) by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Matrix: Air Level: Low Lab File ID: ckzq003.d

Lab ID: LCS 200-44641/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	9.35	94	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.20	92	70-130	
Vinyl chloride	10.0	8.25	83	70-130	
1,3-Butadiene	10.0	8.49	85	70-130	
Bromomethane	10.0	8.72	87	70-130	
Chloroethane	10.0	8.16	82	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.72	97	70-130	
Trichlorofluoromethane	10.0	9.51	95	70-130	
1,1-Dichloroethene	10.0	10.2	102	70-130	
3-Chloropropene	10.0	8.29	83	70-130	
Methylene Chloride	10.0	8.72	87	70-130	
Methyl tert-butyl ether	10.0	9.00	90	70-130	
trans-1,2-Dichloroethene	10.0	8.82	88	70-130	
n-Hexane	10.0	8.48	85	70-130	
1,1-Dichloroethane	10.0	8.67	87	70-130	
cis-1,2-Dichloroethene	10.0	9.29	93	70-130	
Chloroform	10.0	9.25	93	70-130	
1,1,1-Trichloroethane	10.0	9.51	95	70-130	
Cyclohexane	10.0	9.10	91	70-130	
Carbon tetrachloride	10.0	9.47	95	70-130	
2,2,4-Trimethylpentane	10.0	8.43	84	70-130	
Benzene	10.0	8.76	88	70-130	
1,2-Dichloroethane	10.0	9.36	94	70-130	
n-Heptane	10.0	8.15	82	70-130	
Trichloroethene	10.0	9.36	94	70-130	
1,2-Dichloropropane	10.0	8.36	84	70-130	
Bromodichloromethane	10.0	9.78	98	70-130	
cis-1,3-Dichloropropene	10.0	8.87	89	70-130	
Toluene	10.0	9.21	92	70-130	
trans-1,3-Dichloropropene	10.0	9.04	90	70-130	
1,1,2-Trichloroethane	10.0	8.54	85	70-130	
Tetrachloroethene	10.0	10.0	100	70-130	
Dibromochloromethane	10.0	10.5	105	70-130	
1,2-Dibromoethane	10.0	9.48	95	70-130	
Ethylbenzene	10.0	8.97	90	70-130	
m,p-Xylene	20.0	18.3	92	70-130	
Xylene, o-	10.0	9.16	92	70-130	
Bromoform	10.0	10.6	106	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.45	85	70-130	
4-Ethyltoluene	10.0	9.67	97	70-130	
1,3,5-Trimethylbenzene	10.0	9.06	91	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Lab File ID: ckzq004.d Lab Sample ID: MB 200-44641/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: C.i Date Analyzed: 09/07/2012 14:49

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-44641/3	ckzq003.d	09/07/2012 13:56
SV-1	200-12536-1	ckzq021.d	09/08/2012 05:57
SV-2	200-12536-2	ckzq022.d	09/08/2012 06:50
SV-3	200-12536-3	ckzq023.d	09/08/2012 07:44

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Lab File ID: ckz001.d BFB Injection Date: 08/14/2012

Instrument ID: C.i BFB Injection Time: 16:28

Analysis Batch No.: 43490

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.1	
75	30.0 - 66.0% of mass 95	44.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.3	(0.3)1
174	50.0 - 120.0% of mass 95	80.2	
175	4.0 - 9.0 % of mass 174	5.6	(6.9)1
176	93.0 - 101.0% of mass 174	77.7	(96.9)1
177	5.0 - 9.0% of mass 176	5.1	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-43490/3	ckz003.d	08/14/2012	18:13
	IC 200-43490/4	ckz004.d	08/14/2012	19:07
	IC 200-43490/5	ckz005.d	08/14/2012	20:00
	IC 200-43490/6	ckz006.d	08/14/2012	20:53
	IC 200-43490/8	ckz008.d	08/14/2012	22:41
	IC 200-43490/9	ckz009.d	08/14/2012	23:34
	IC 200-43490/10	ckz010.d	08/15/2012	00:28
	ICIS 200-43490/15	ckz015.d	08/15/2012	08:24
	ICV 200-43490/18	ckz018.d	08/15/2012	11:09

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Lab File ID: ckzq001.d BFB Injection Date: 09/07/2012

Instrument ID: C.i BFB Injection Time: 12:13

Analysis Batch No.: 44641

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.9	
75	30.0 - 66.0% of mass 95	46.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.0	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	90.3	
175	4.0 - 9.0 % of mass 174	6.4	(7.1)1
176	93.0 - 101.0% of mass 174	86.6	(96.0)1
177	5.0 - 9.0% of mass 176	5.8	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-44641/2	ckzq002.d	09/07/2012	13:04
	LCS 200-44641/3	ckzq003.d	09/07/2012	13:56
	MB 200-44641/4	ckzq004.d	09/07/2012	14:49
SV-1	200-12536-1	ckzq021.d	09/08/2012	05:57
SV-2	200-12536-2	ckzq022.d	09/08/2012	06:50
SV-3	200-12536-3	ckzq023.d	09/08/2012	07:44

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Sample No.: ICIS 200-43490/15 Date Analyzed: 08/15/2012 08:24

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckz015.d Heated Purge: (Y/N) N

Calibration ID: 17120

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		419299	12.10	2338098	13.92	2179074	19.45
UPPER LIMIT		587019	12.43	3273337	14.25	3050704	19.78
LOWER LIMIT		251579	11.77	1402859	13.59	1307444	19.12
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-43490/18		394482	12.10	2173520	13.93	1992042	19.45

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Sample No.: CCVIS 200-44641/2 Date Analyzed: 09/07/2012 13:04

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ckzq002.d Heated Purge: (Y/N) N

Calibration ID: 17120

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		318335	12.07	1755135	13.90	1613282	19.42
UPPER LIMIT		445669	12.40	2457189	14.23	2258595	19.75
LOWER LIMIT		191001	11.74	1053081	13.57	967969	19.09
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-44641/3		335864	12.07	1836193	13.90	1652588	19.42
MB 200-44641/4		309654	12.07	1815215	13.89	1519460	19.42
200-12536-1	SV-1	294529	12.07	1639891	13.89	1542282	19.42
200-12536-2	SV-2	337414	12.07	1871087	13.89	1744597	19.42
200-12536-3	SV-3	337835	12.07	1884465	13.90	1760449	19.42

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: SV-1 | Lab Sample ID: 200-12536-1

Matrix: Air | Lab File ID: ckzq021.d

Analysis Method: TO-15 | Date Collected: 08/24/2012 17:00

Sample wt/vol: 200(mL) | Date Analyzed: 09/08/2012 05:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 44641 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.020
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.020
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.26		0.20	0.021
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	1.2		0.50	0.023
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.20	U	0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.023
67-66-3	Chloroform	119.38	1.6		0.20	0.024
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.36		0.20	0.015
71-43-2	Benzene	78.11	0.28		0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.018
142-82-5	n-Heptane	100.21	0.21		0.20	0.017
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.0092
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.023
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.013
108-88-3	Toluene	92.14	6.3		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.015

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: SV-1 Lab Sample ID: 200-12536-1

Matrix: Air Lab File ID: ckzq021.d

Analysis Method: TO-15 Date Collected: 08/24/2012 17:00

Sample wt/vol: 200(mL) Date Analyzed: 09/08/2012 05:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44641 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.014
100-41-4	Ethylbenzene	106.17	2.3		0.20	0.015
179601-23-1	m,p-Xylene	106.17	11		0.50	0.022
95-47-6	Xylene, o-	106.17	5.3		0.20	0.016
1330-20-7	Xylene (total)	106.17	17		0.20	0.016
75-25-2	Bromoform	252.75	0.20	U	0.20	0.0072
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.011
622-96-8	4-Ethyltoluene	120.20	0.54		0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.56		0.20	0.019

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: SV-1 | Lab Sample ID: 200-12536-1

Matrix: Air | Lab File ID: ckzq021.d

Analysis Method: TO-15 | Date Collected: 08/24/2012 17:00

Sample wt/vol: 200(mL) | Date Analyzed: 09/08/2012 05:57

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 44641 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.099
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.14
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.10
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.5		1.1	0.12
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	4.2		1.7	0.080
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.70	U	0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.093
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.091
67-66-3	Chloroform	119.38	8.0		0.98	0.12
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.065
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	1.7		0.93	0.070
71-43-2	Benzene	78.11	0.90		0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.073
142-82-5	n-Heptane	100.21	0.86		0.82	0.070
79-01-6	Trichloroethene	131.39	1.1	U	1.1	0.049
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.11
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.059
108-88-3	Toluene	92.14	24		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.10

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: SV-1 Lab Sample ID: 200-12536-1

Matrix: Air Lab File ID: ckzq021.d

Analysis Method: TO-15 Date Collected: 08/24/2012 17:00

Sample wt/vol: 200(mL) Date Analyzed: 09/08/2012 05:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44641 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.11
100-41-4	Ethylbenzene	106.17	10		0.87	0.065
179601-23-1	m,p-Xylene	106.17	49		2.2	0.096
95-47-6	Xylene, o-	106.17	23		0.87	0.069
1330-20-7	Xylene (total)	106.17	72		0.87	0.069
75-25-2	Bromoform	252.75	2.1	U	2.1	0.074
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.076
622-96-8	4-Ethyltoluene	120.20	2.7		0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	2.7		0.98	0.093

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-12536-1
Client Smp ID: SV-1
Inj Date : 08-SEP-2012 05:57
Operator : wrd Inst ID: C.i
Smp Info : 200-12536-A-1
Misc Info : 200,1, LL+MeCl2
Comment :
Method : /chem/C.i/Csvr.p/ckzqto15.b/to15v5.m
Meth Date : 11-Sep-2012 12:58 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+MeCl.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

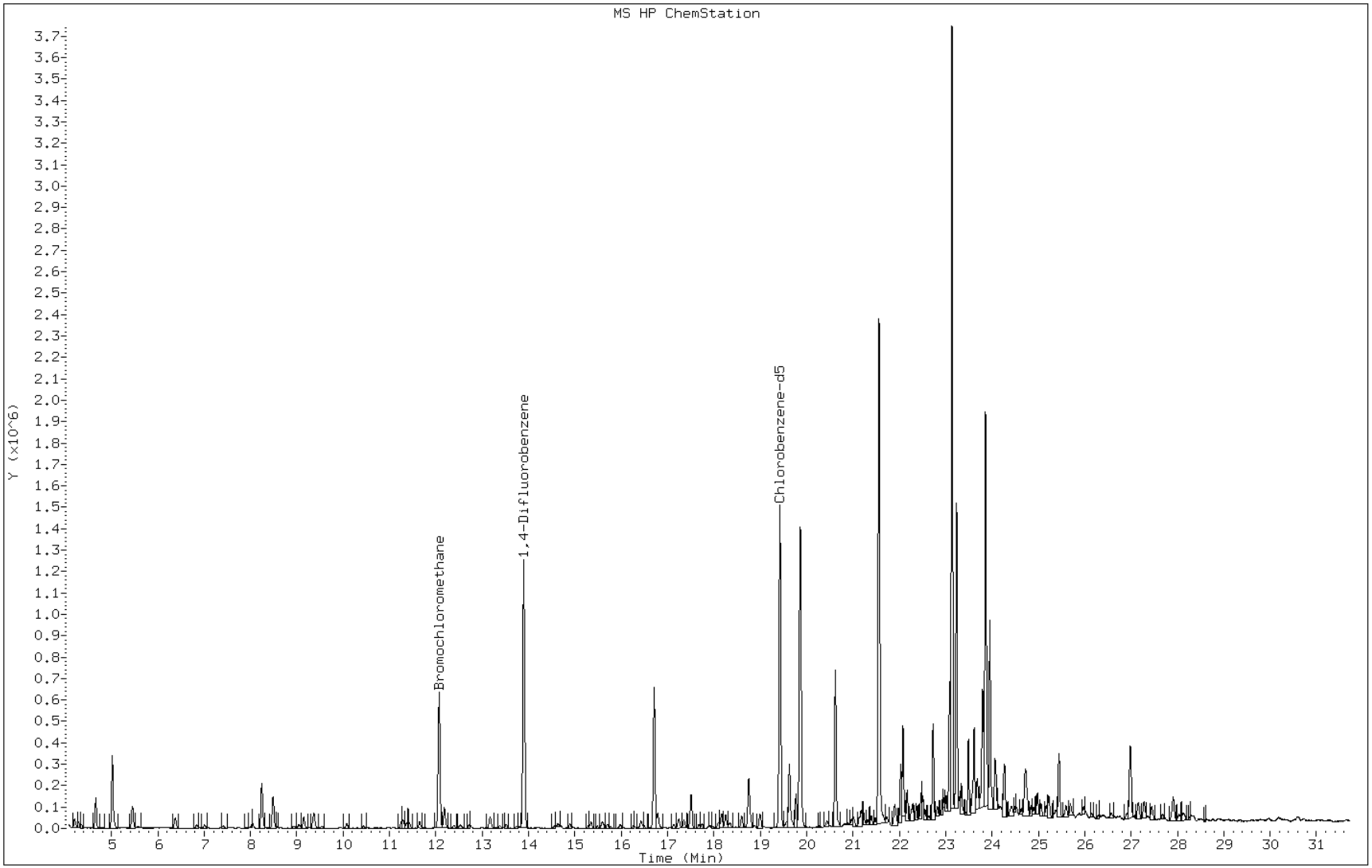
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.293	4.304	(0.356)	36381	0.44988	0.45(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.839	6.860	(0.567)	22072	0.25880	0.26
19 1,1-Dichloroethene	96	Compound Not Detected.					
23 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	9.155	9.177	(0.759)	33679	1.21738	1.2
27 Methyl tert-butyl ether	73	Compound Not Detected.					
28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30 n-Hexane	57	10.079	10.105	(0.835)	8164	0.18316	0.18(a)
31 1,1-Dichloroethane	63	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	37 Bromochloromethane	128	12.069	12.096	(1.000)	294529	10.0000	(Q)
	39 Chloroform	83	12.187	12.213	(1.010)	107247	1.63003	1.6
	40 Cyclohexane	84	12.523	12.544	(0.901)	8066	0.17535	0.18(aQ)
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	12.768	12.784	(0.919)	5486	0.06942	0.069(a)
	43 2,2,4-Trimethylpentane	57	13.179	13.201	(0.949)	51514	0.35614	0.36
	44 Benzene	78	13.163	13.190	(0.947)	27470	0.28283	0.28
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.526	13.542	(0.973)	10898	0.21081	0.21
*	47 1,4-Difluorobenzene	114	13.894	13.921	(1.000)	1639891	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	15.287	15.319	(1.100)	4351	0.06087	0.061(aM)
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	16.712	16.734	(0.860)	464745	6.28564	6.3
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.748	17.764	(0.914)	11449	0.16424	0.16(a)
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.423	19.450	(1.000)	1542282	10.0000	
	68 Ethylbenzene	91	19.632	19.653	(1.011)	356450	2.29197	2.3
	69 Xylene (m,p)	106	19.866	19.893	(1.023)	736623	11.3690	11
M	70 Xylenes, Total	106				1069215	16.6711	17
	71 Xylene (o)	106	20.619	20.646	(1.062)	332592	5.30203	5.3
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	22.071	22.092	(1.136)	95001	0.54385	0.54
	81 1,3,5-Trimethylbenzene	105	22.172	22.193	(1.141)	84714	0.55914	0.56

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckzq021.d	Date:	08-SEP-2012 05:57
Client ID:	SV-1	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-12536-A-1		
Lab Sample ID:	200-12536-1		



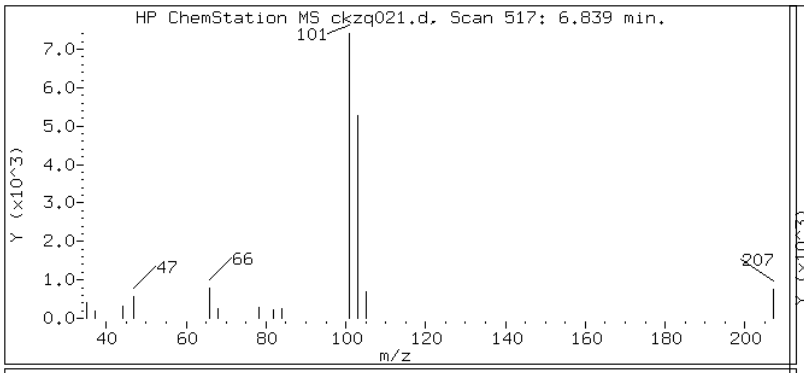
Data File: ckzq021.d

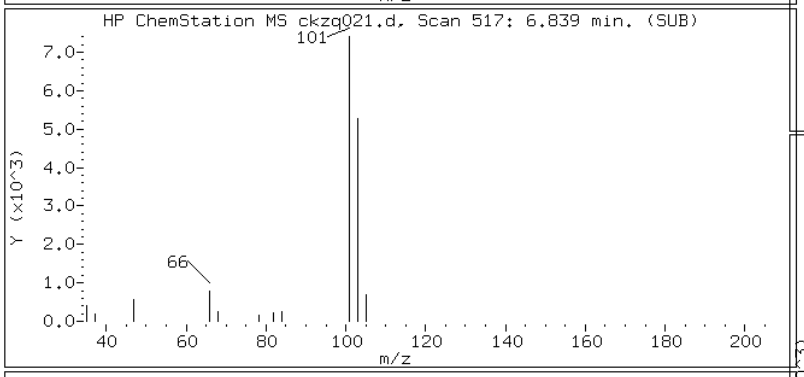
Lab Sample ID: 200-12536-1 Date: 08-SEP-2012 05:57

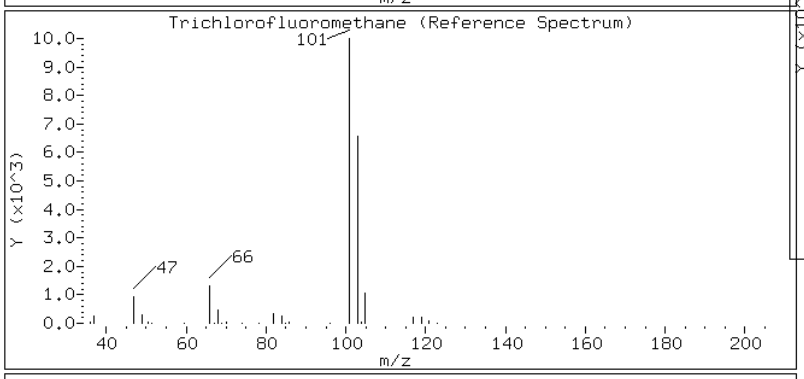
Client ID: SV-1 Instrument: C.i

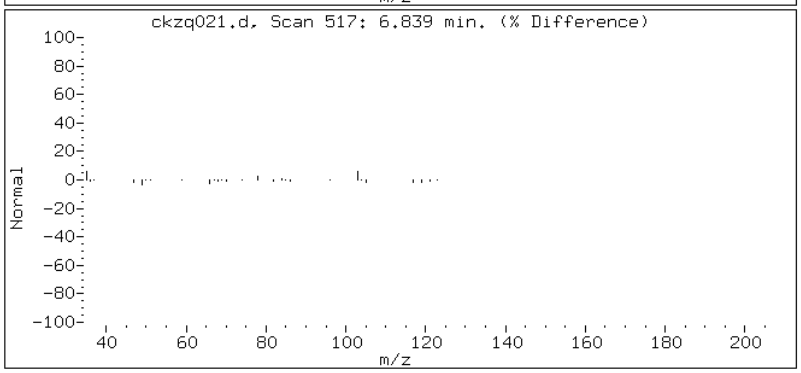
Sample Info: 200-12536-A-1 Operator: wrd

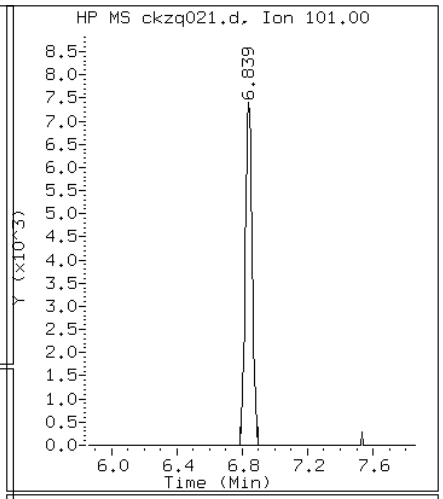
13 Trichlorofluoromethane

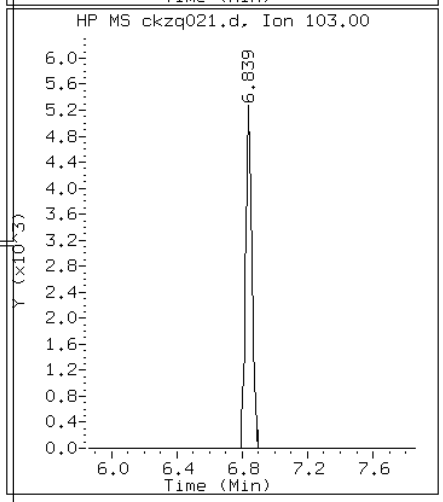












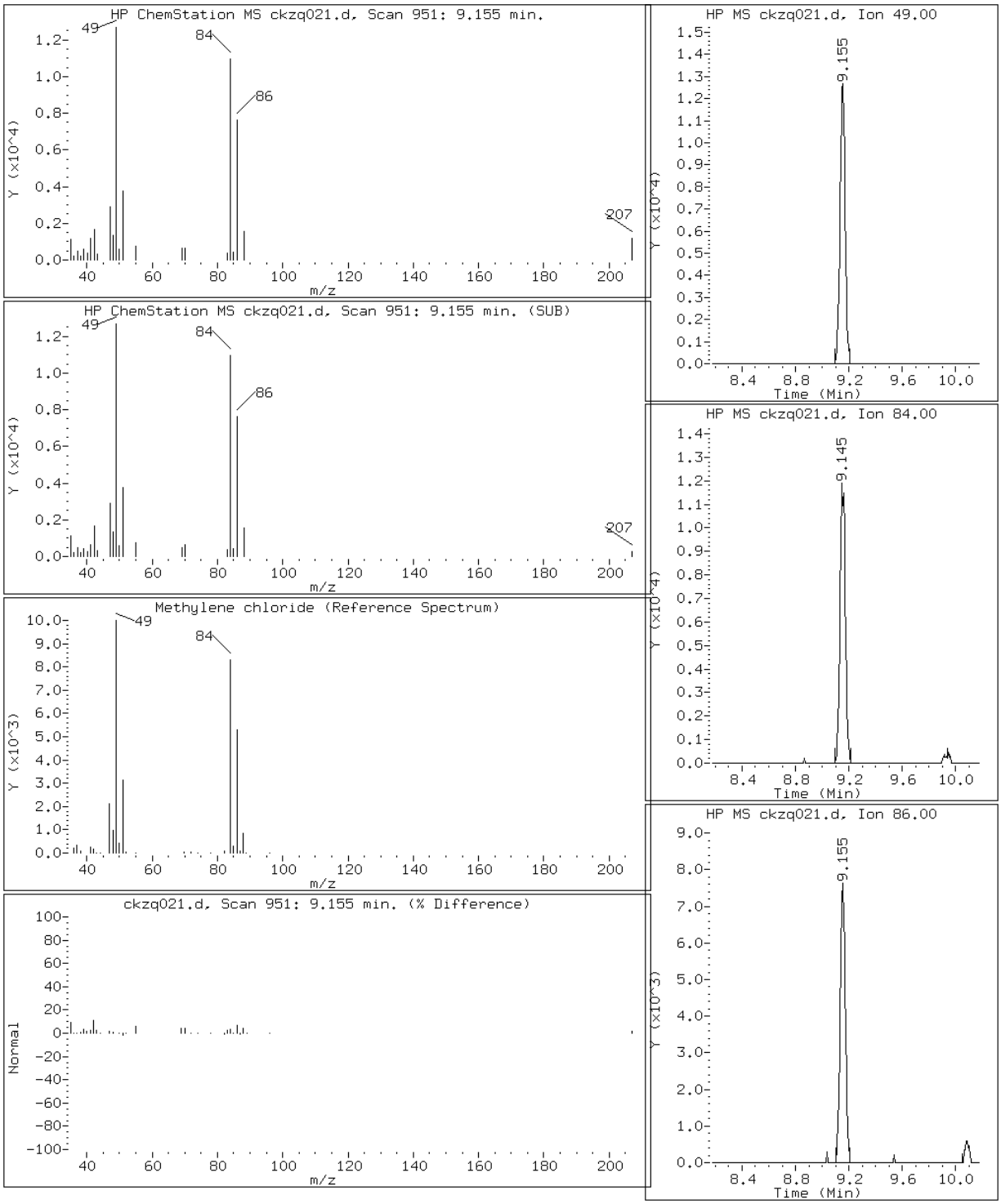
Data File: ckzq021.d

Lab Sample ID: 200-12536-1 Date: 08-SEP-2012 05:57

Client ID: SV-1 Instrument: C.i

Sample Info: 200-12536-A-1 Operator: wrd

25 Methylene chloride



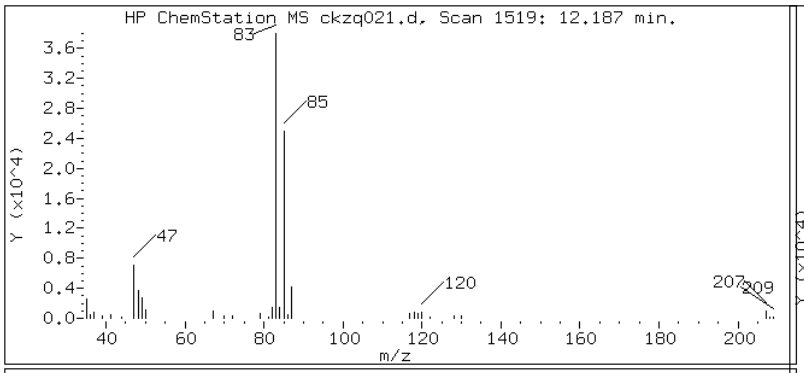
Data File: ckzq021.d

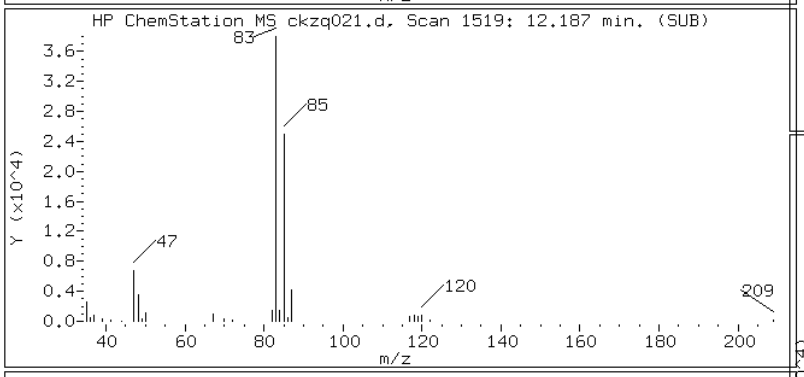
Lab Sample ID: 200-12536-1 Date: 08-SEP-2012 05:57

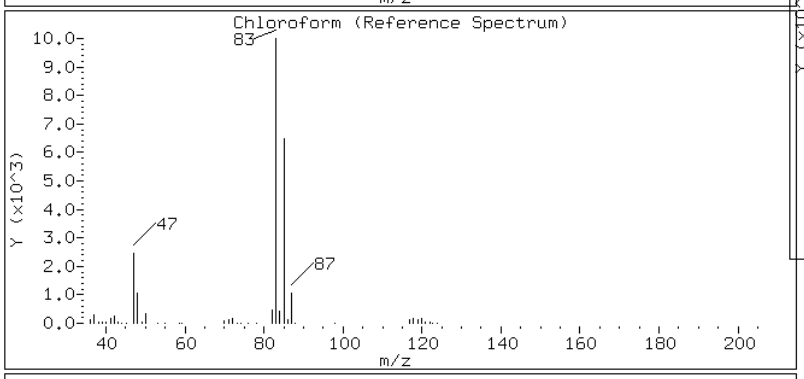
Client ID: SV-1 Instrument: C.i

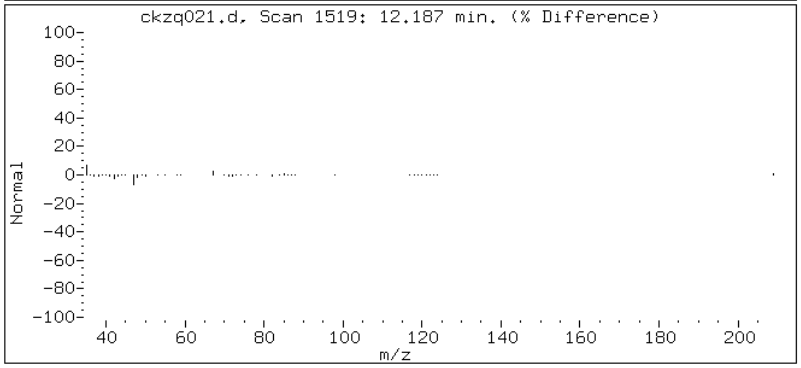
Sample Info: 200-12536-A-1 Operator: wrd

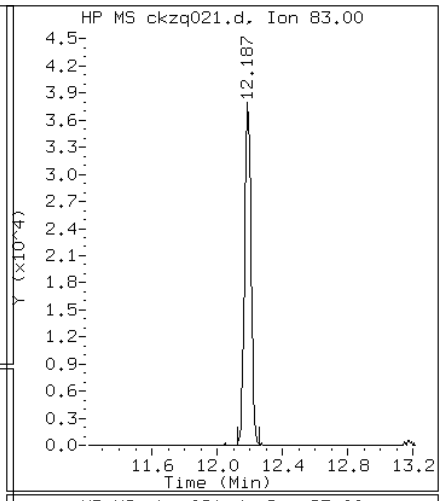
39 Chloroform

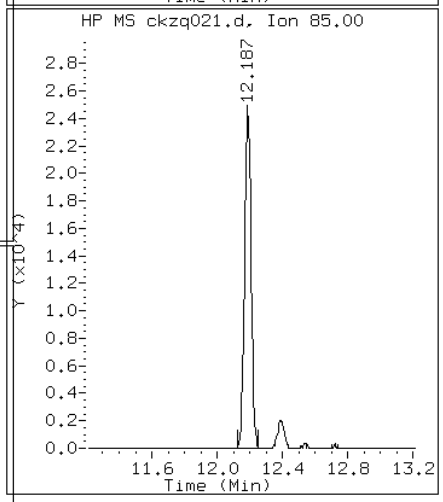












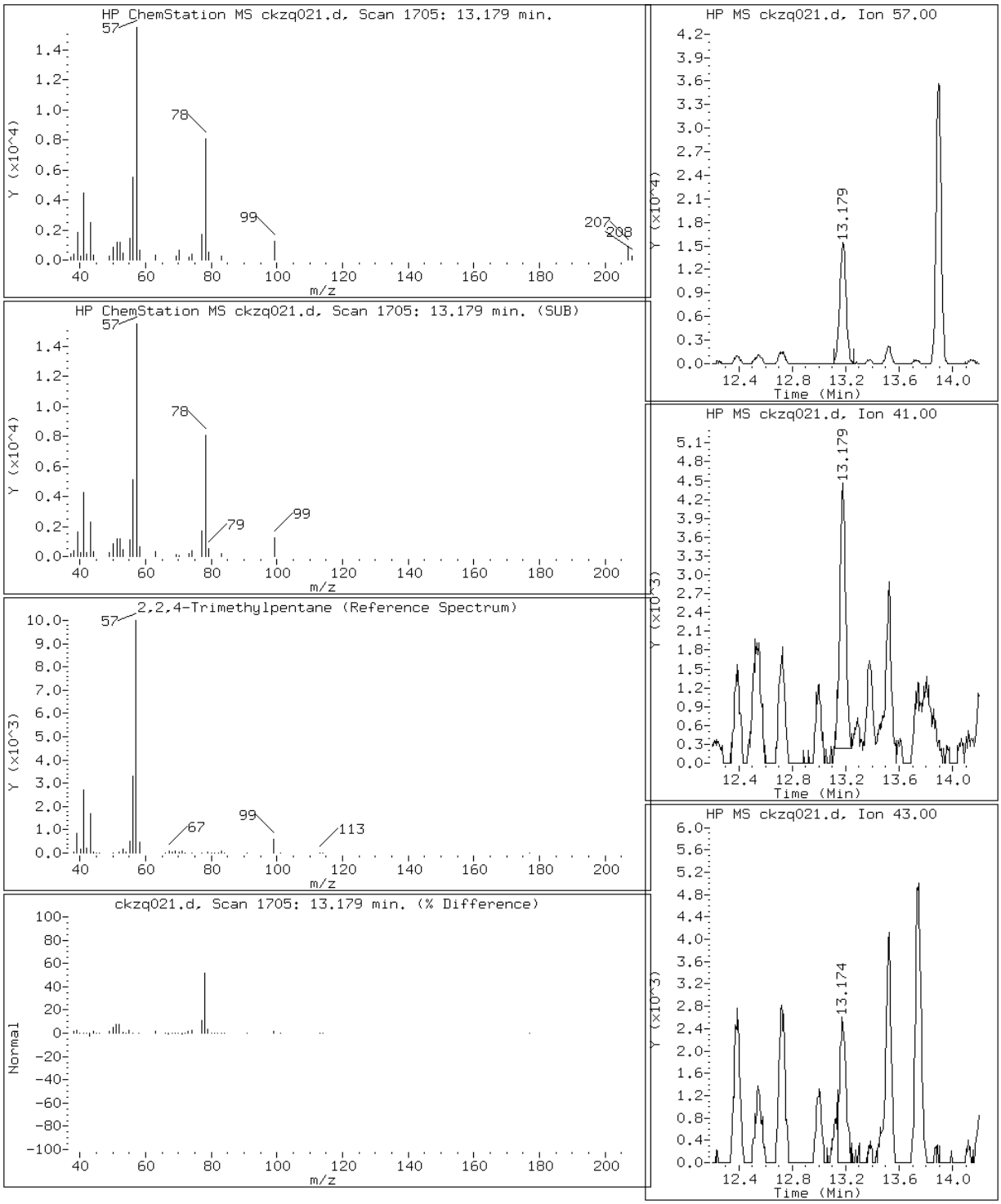
Data File: ckzq021.d

Lab Sample ID: 200-12536-1 Date: 08-SEP-2012 05:57

Client ID: SV-1 Instrument: C.i

Sample Info: 200-12536-A-1 Operator: wrd

43 2,2,4-Trimethylpentane



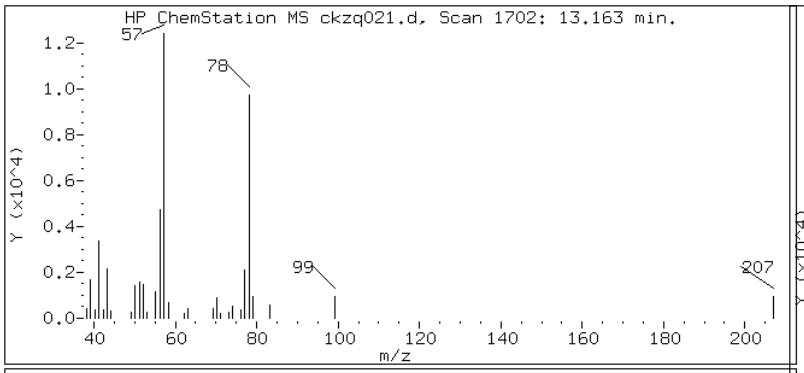
Data File: ckzq021.d

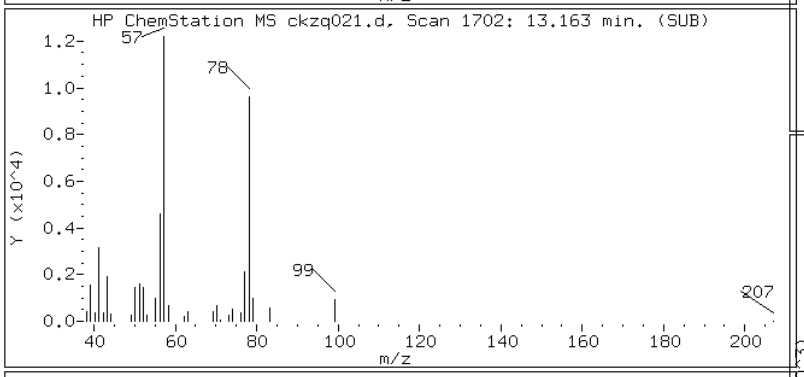
Lab Sample ID: 200-12536-1 Date: 08-SEP-2012 05:57

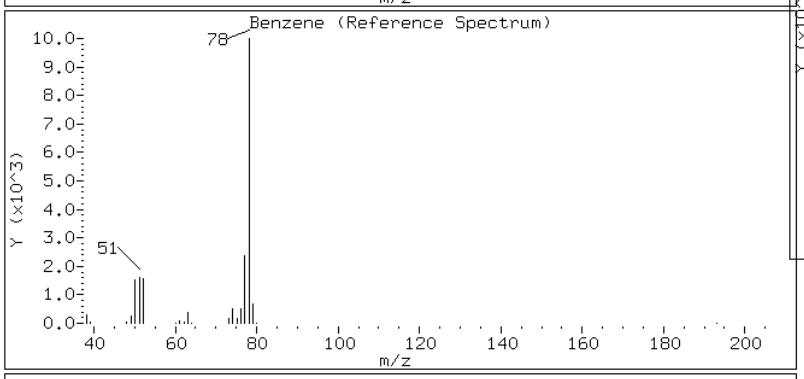
Client ID: SV-1 Instrument: C.i

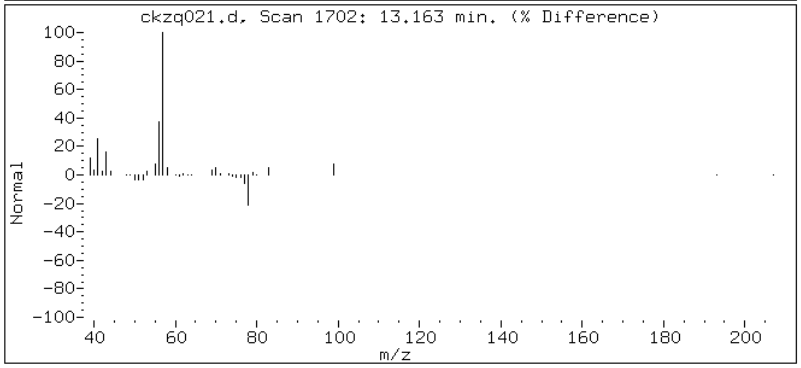
Sample Info: 200-12536-A-1 Operator: wrd

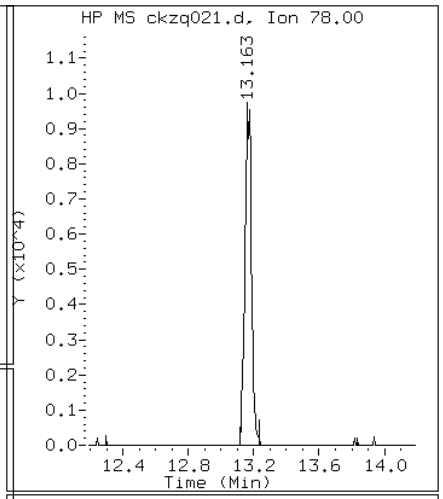
44 Benzene

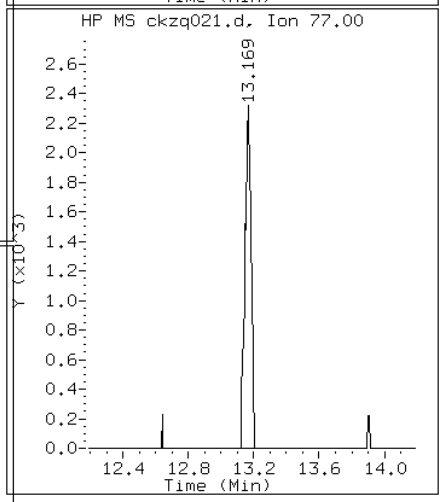












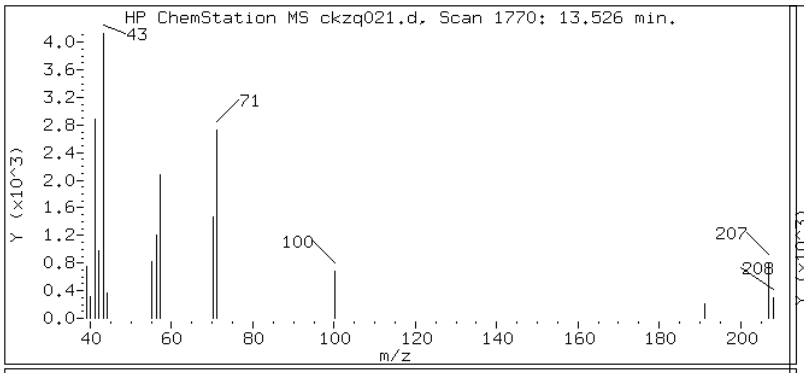
Data File: ckzq021.d

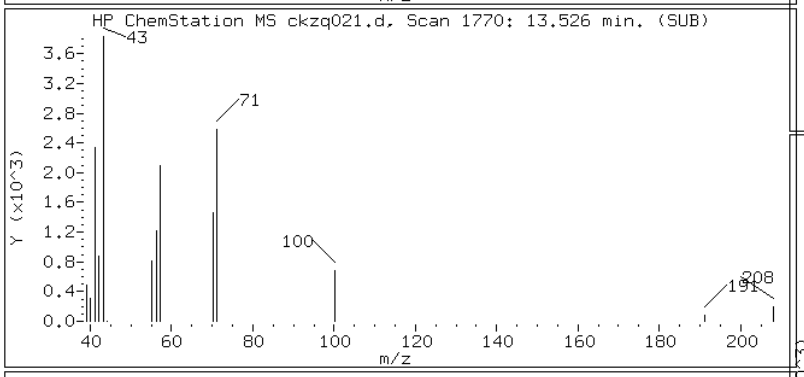
Lab Sample ID: 200-12536-1 Date: 08-SEP-2012 05:57

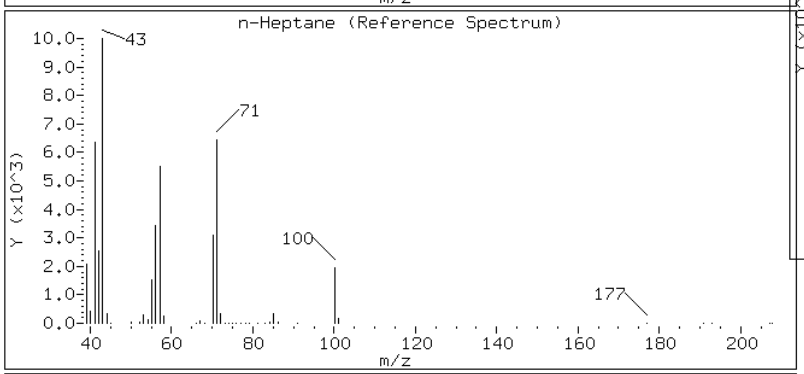
Client ID: SV-1 Instrument: C.i

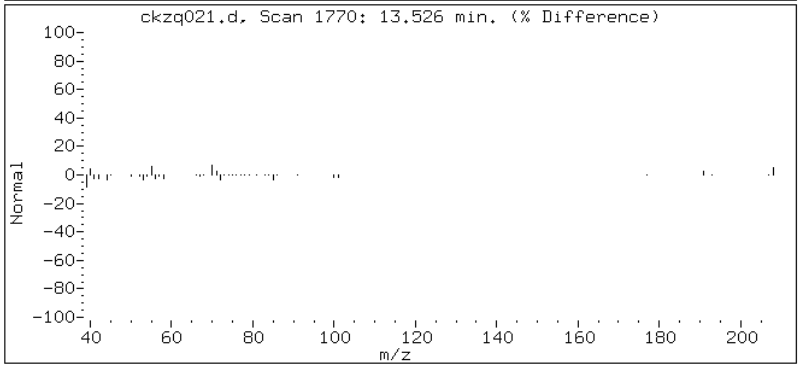
Sample Info: 200-12536-A-1 Operator: wrd

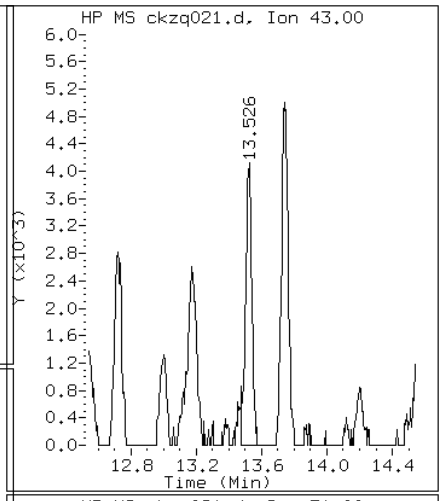
46 n-Heptane

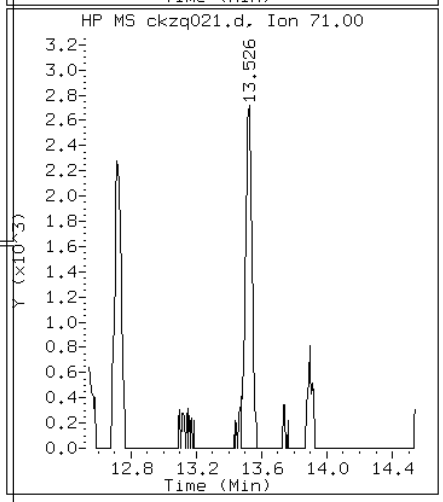












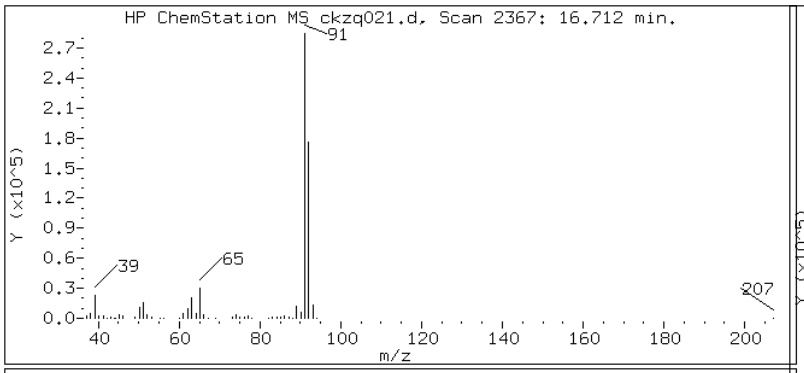
Data File: ckzq021.d

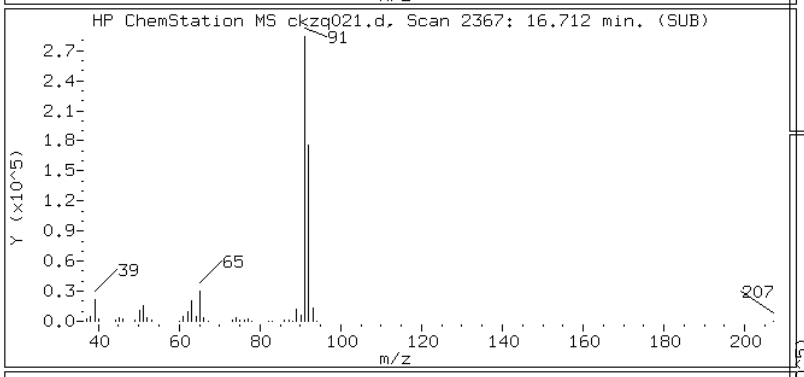
Lab Sample ID: 200-12536-1 Date: 08-SEP-2012 05:57

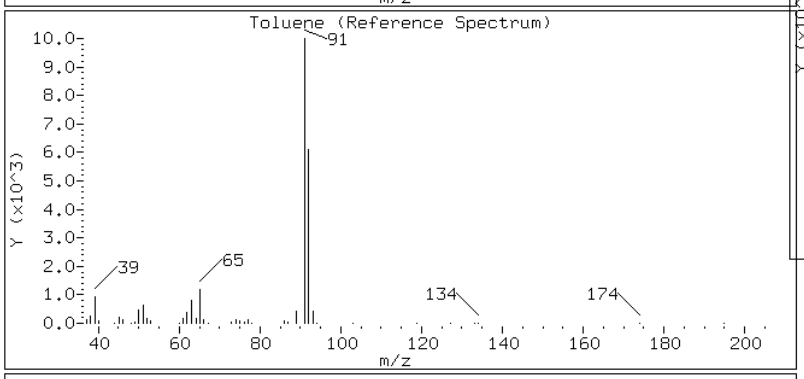
Client ID: SV-1 Instrument: C.i

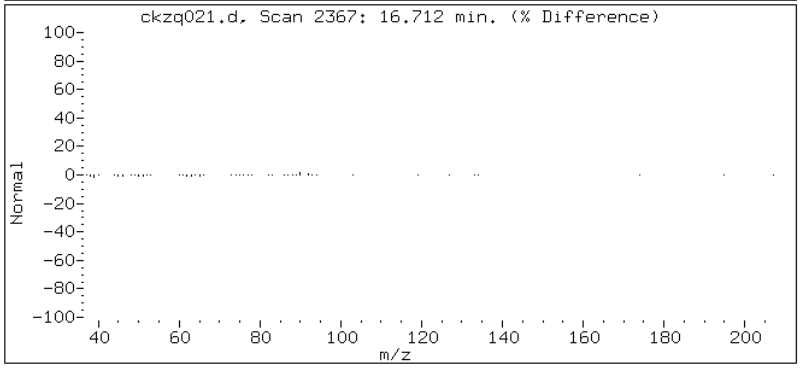
Sample Info: 200-12536-A-1 Operator: wrd

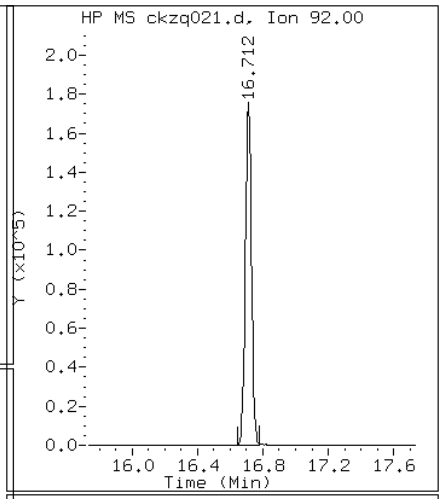
58 Toluene

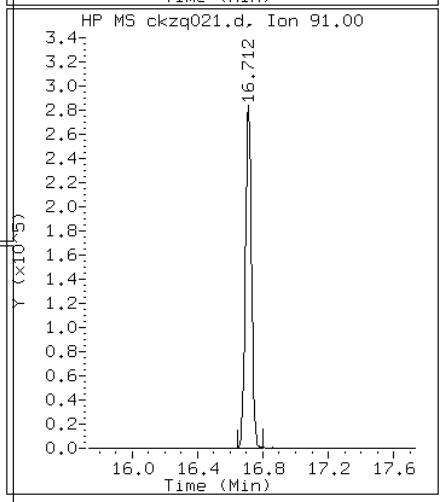












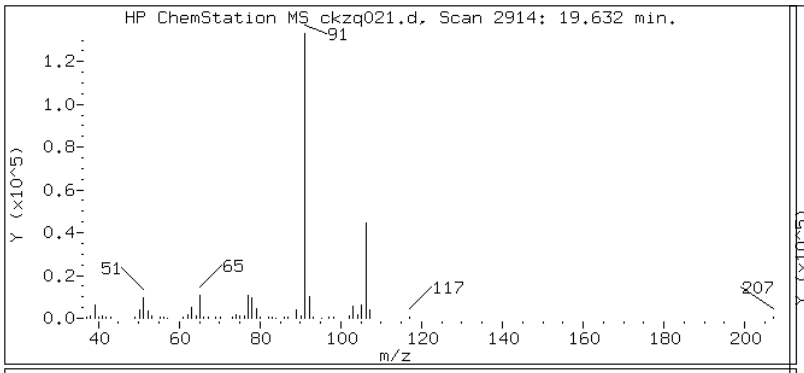
Data File: ckzq021.d

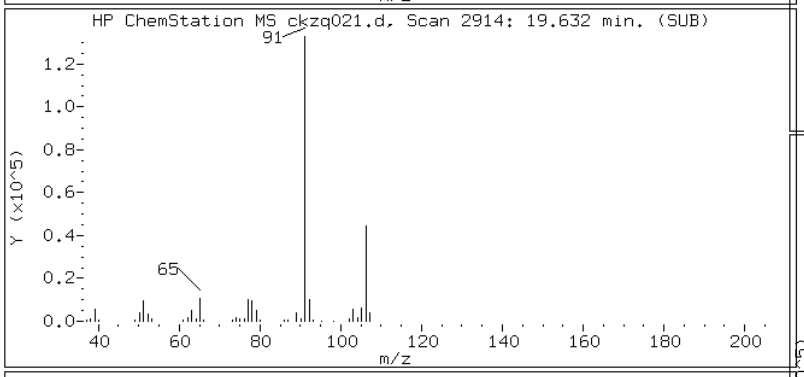
Lab Sample ID: 200-12536-1 Date: 08-SEP-2012 05:57

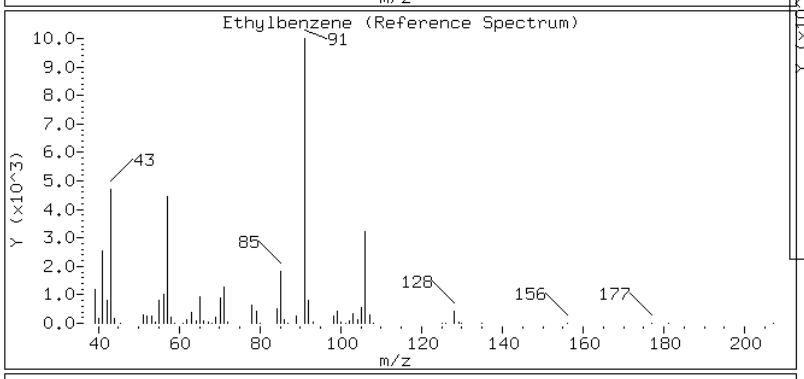
Client ID: SV-1 Instrument: C.i

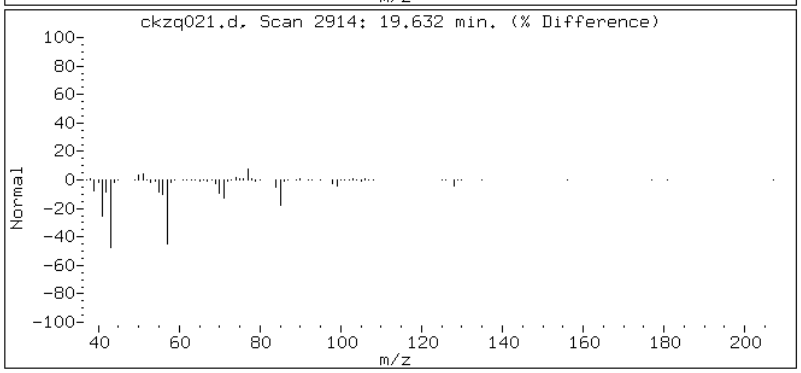
Sample Info: 200-12536-A-1 Operator: wrd

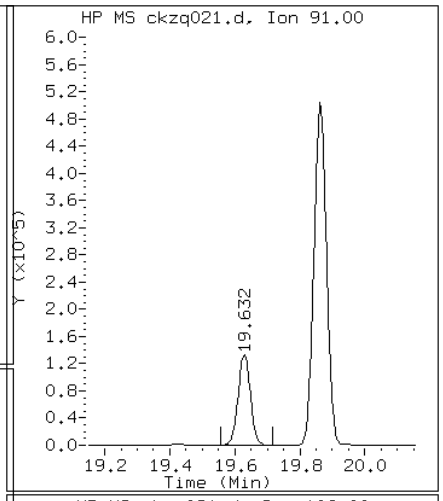
68 Ethylbenzene

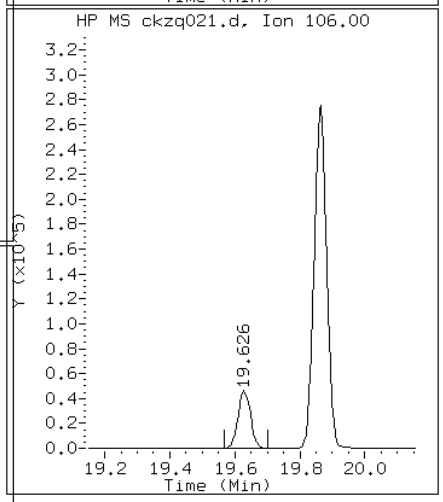












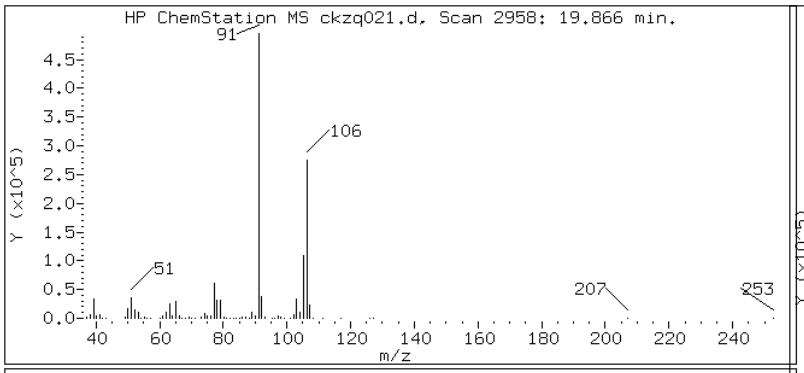
Data File: ckzq021.d

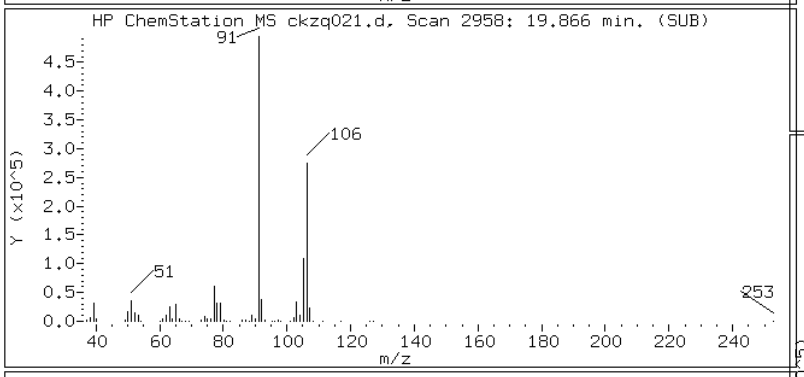
Lab Sample ID: 200-12536-1 Date: 08-SEP-2012 05:57

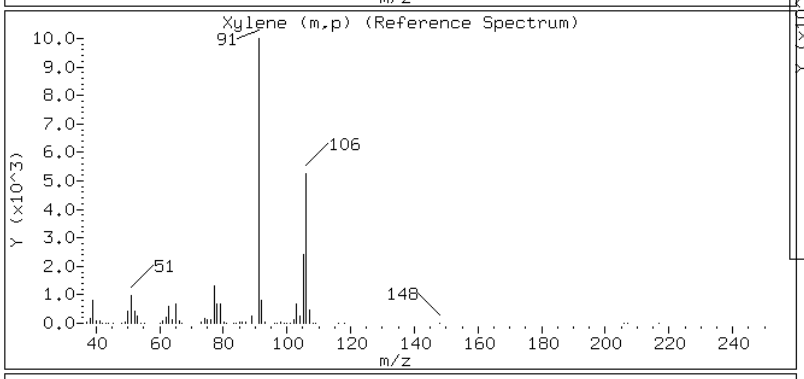
Client ID: SV-1 Instrument: C.i

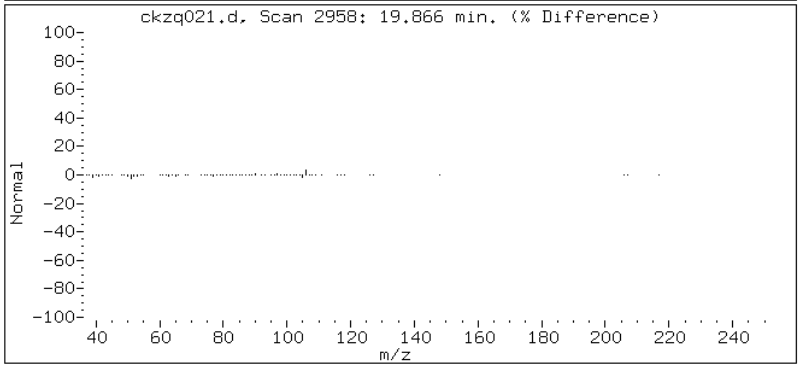
Sample Info: 200-12536-A-1 Operator: wrd

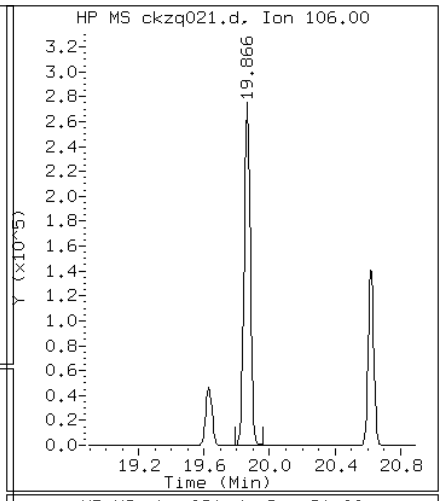
69 Xylene (m,p)

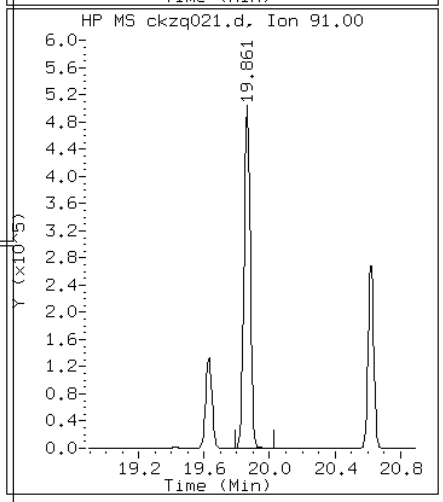












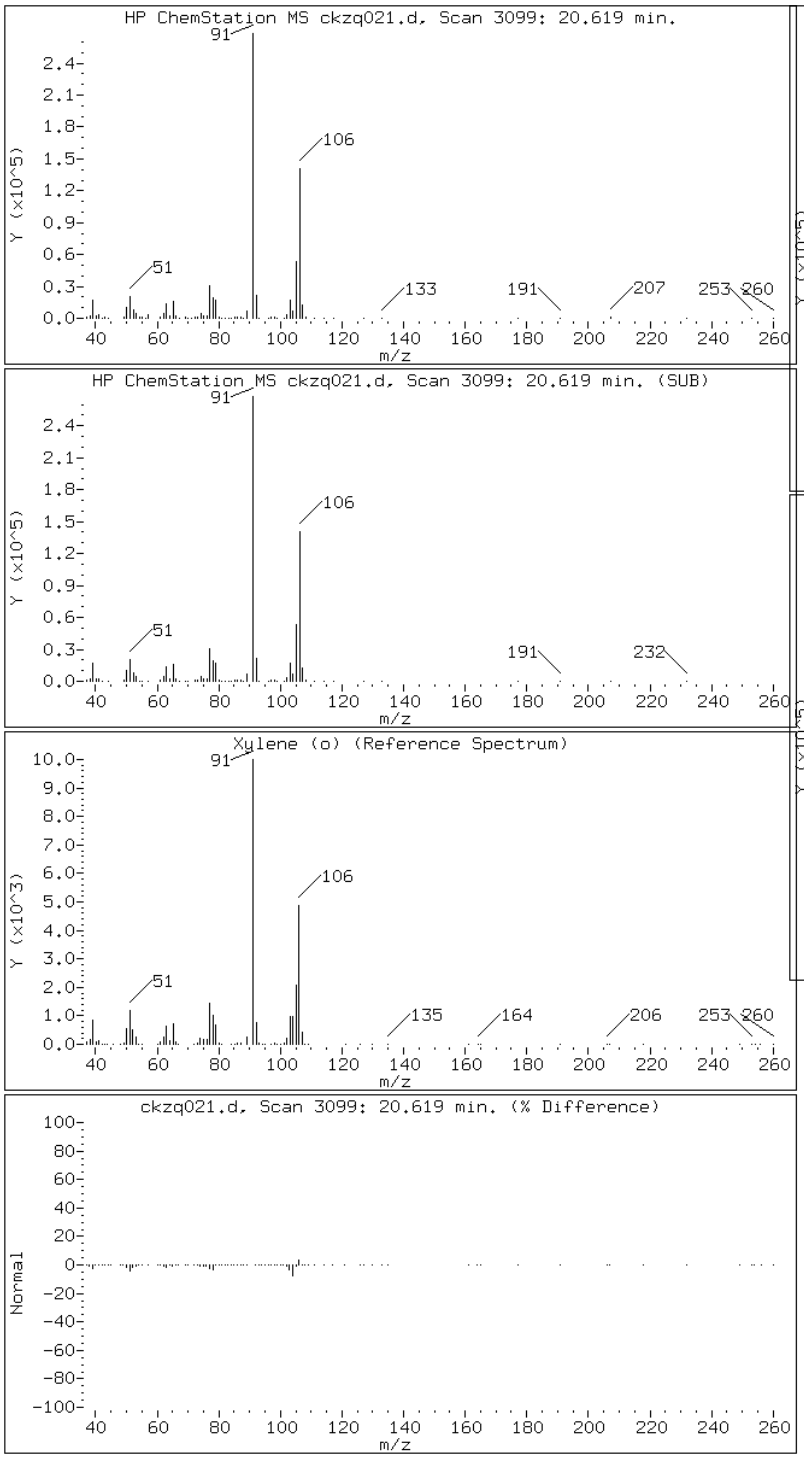
Data File: ckzq021.d

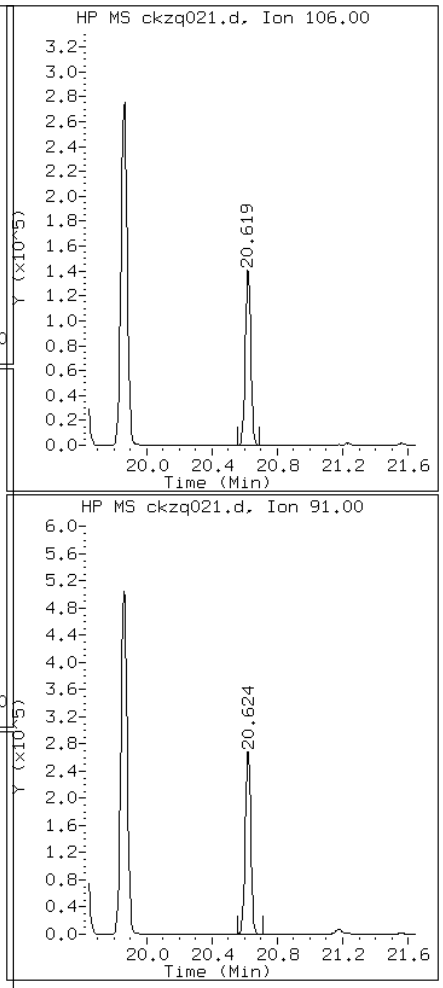
Lab Sample ID: 200-12536-1 Date: 08-SEP-2012 05:57

Client ID: SV-1 Instrument: C.i

Sample Info: 200-12536-A-1 Operator: wrd

71 Xylene (o)





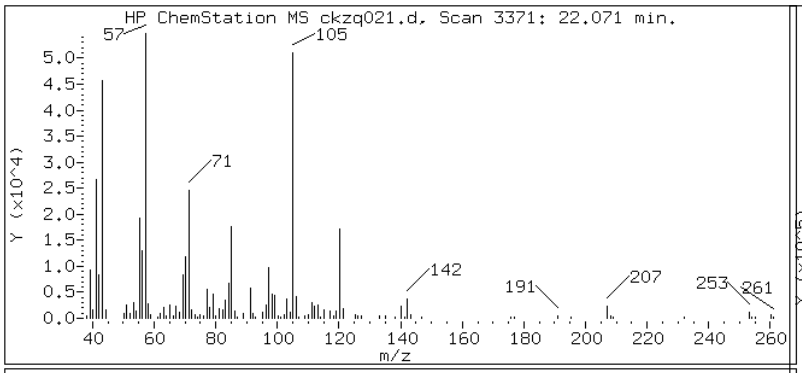
Data File: ckzq021.d

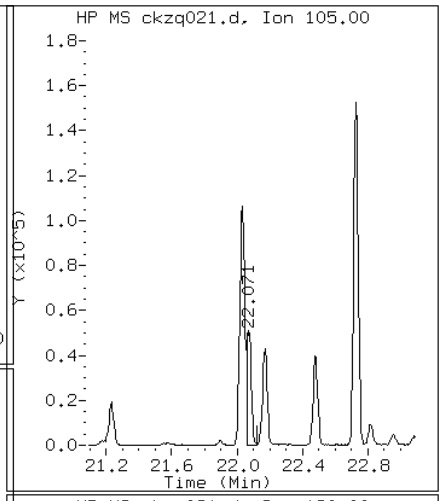
Lab Sample ID: 200-12536-1 Date: 08-SEP-2012 05:57

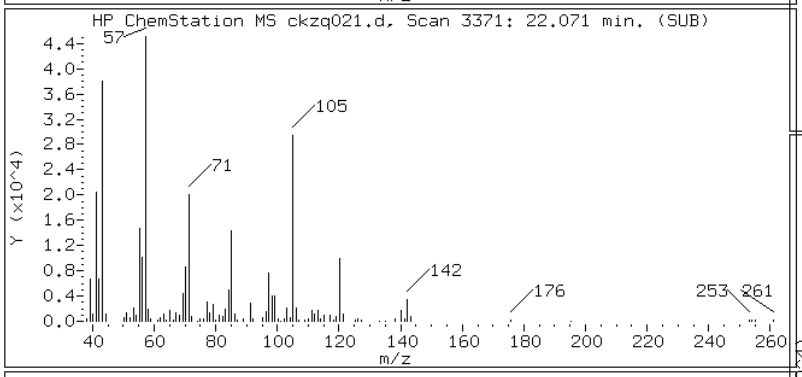
Client ID: SV-1 Instrument: C.i

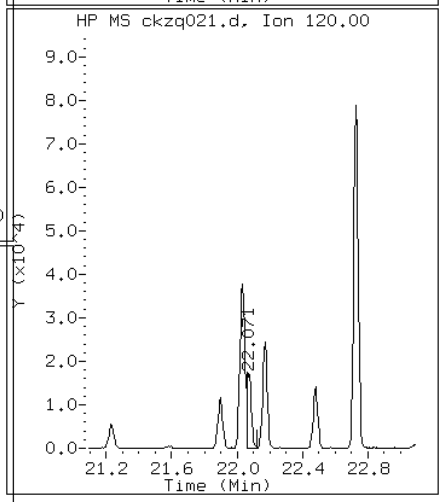
Sample Info: 200-12536-A-1 Operator: wrd

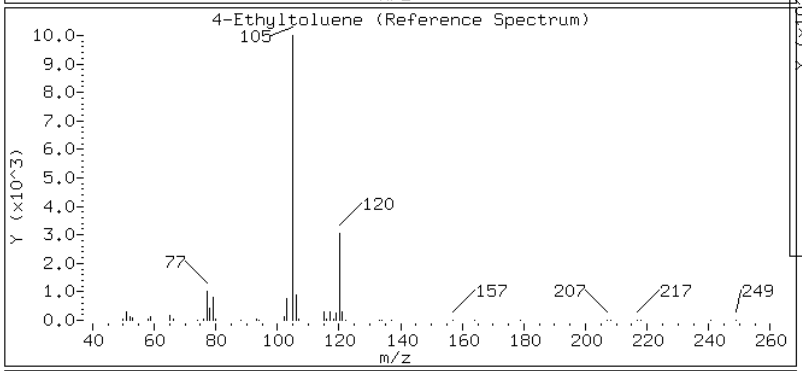
79 4-Ethyltoluene

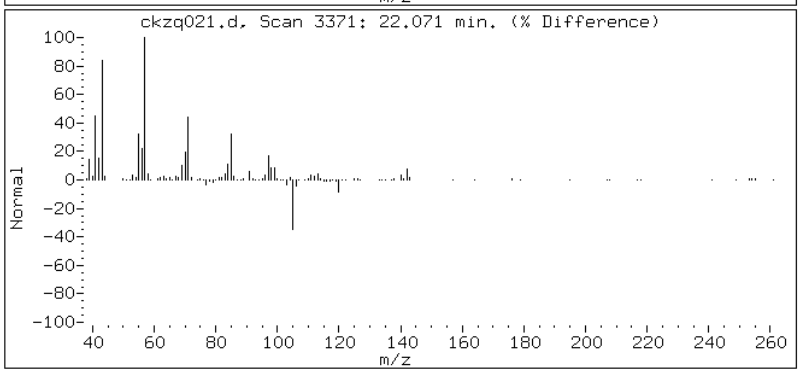












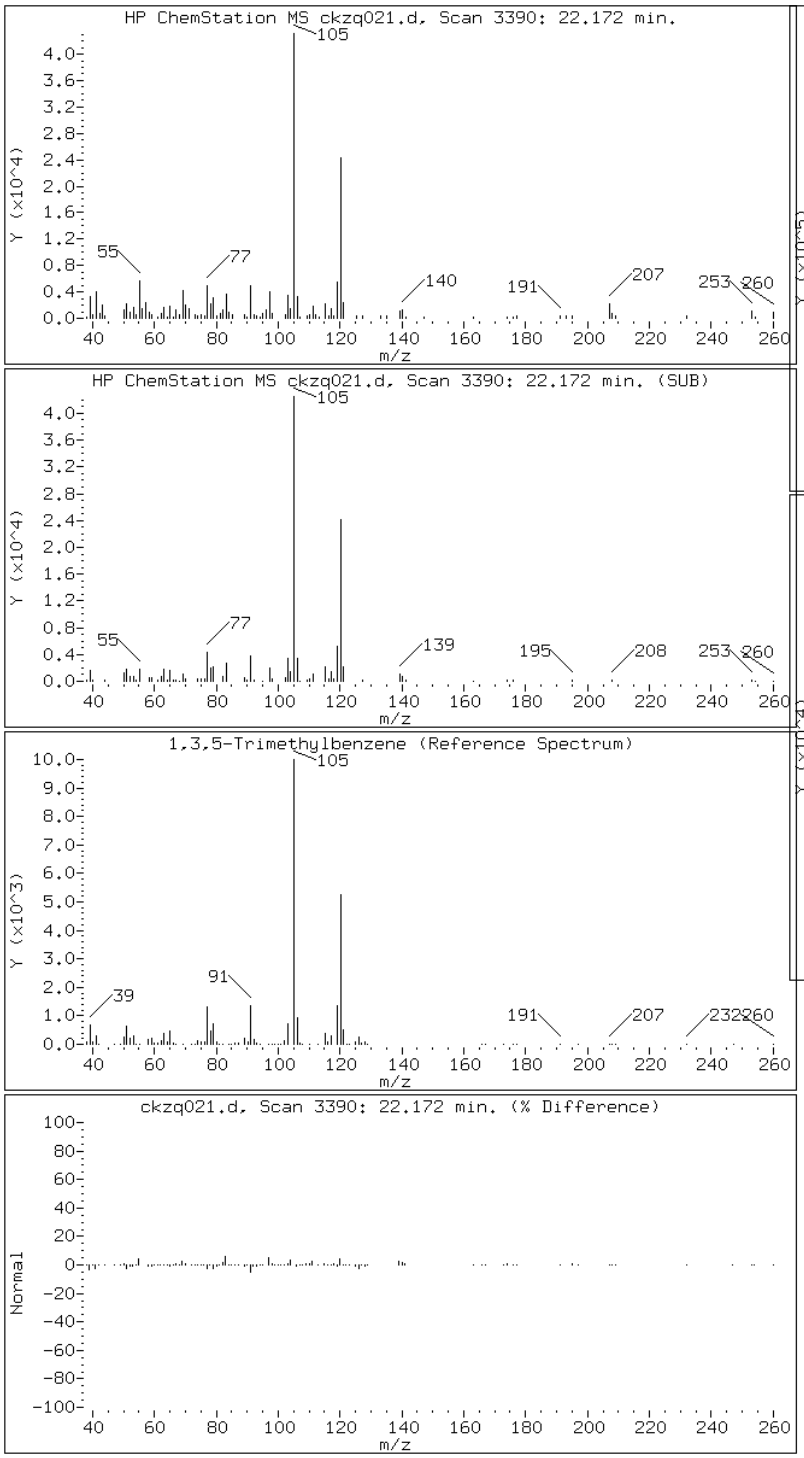
Data File: ckzq021.d

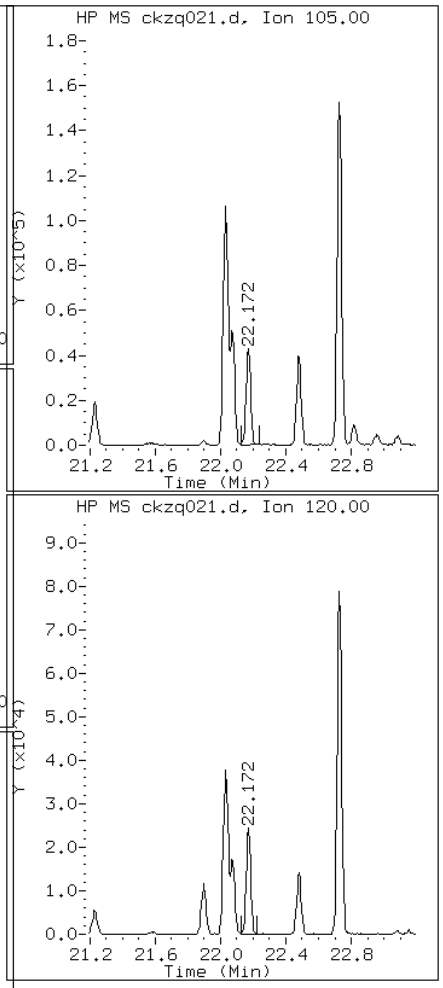
Lab Sample ID: 200-12536-1 Date: 08-SEP-2012 05:57

Client ID: SV-1 Instrument: C.i

Sample Info: 200-12536-A-1 Operator: wrd

81 1,3,5-Trimethylbenzene





Manual Integration Report

Data File: ckzq021.d
Lab Sample ID: 200-12536-1
Inj. Date and Time: 08-SEP-2012 05:57
Instrument ID: C.i
Client ID: SV-1
Compound: 54 Bromodichloromethane
CAS #: 75-27-4
Report Date: 09/11/2012

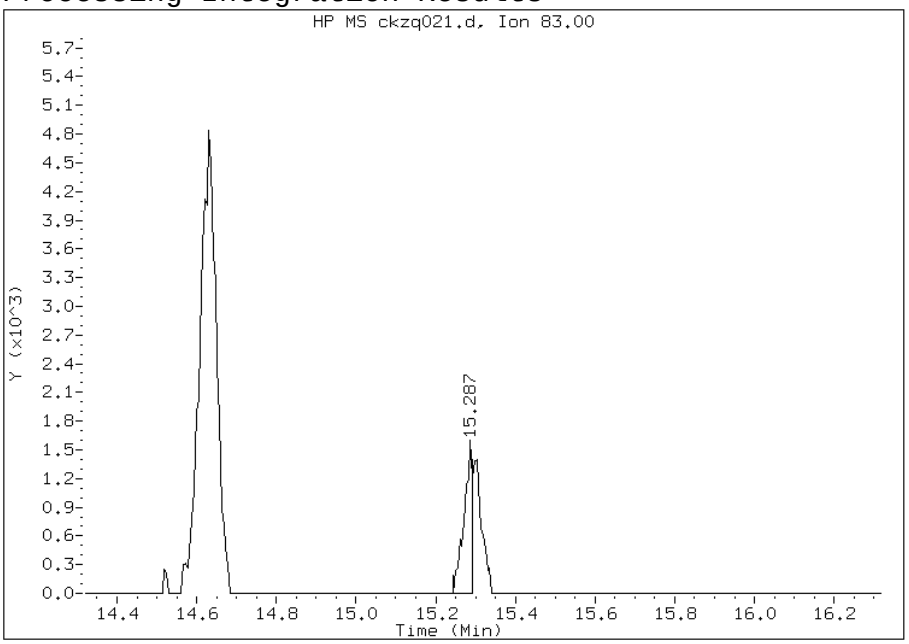
Processing Integration Results

RT: 15.29

Response: 2377

Amount: 0.033256

Conc: 0.033256



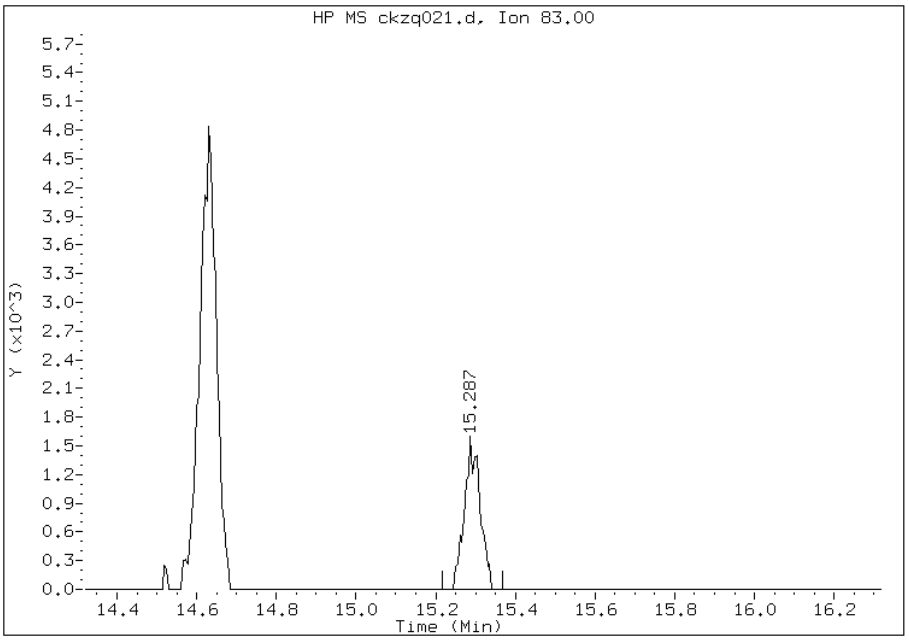
Manual Integration Results

RT: 15.29

Response: 4351

Amount: 0.060874

Conc: 0.060874



File Uploaded By: klp
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: SV-2 | Lab Sample ID: 200-12536-2

Matrix: Air | Lab File ID: ckzq022.d

Analysis Method: TO-15 | Date Collected: 08/24/2012 17:00

Sample wt/vol: 200(mL) | Date Analyzed: 09/08/2012 06:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 44641 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.020
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.020
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.25		0.20	0.021
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	10		0.50	0.023
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.27		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.023
67-66-3	Chloroform	119.38	1.5		0.20	0.024
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.29		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.33		0.20	0.015
71-43-2	Benzene	78.11	0.69		0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.018
142-82-5	n-Heptane	100.21	0.28		0.20	0.017
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.0092
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.023
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.013
108-88-3	Toluene	92.14	6.5		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.33		0.20	0.015

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: SV-2 Lab Sample ID: 200-12536-2

Matrix: Air Lab File ID: ckzq022.d

Analysis Method: TO-15 Date Collected: 08/24/2012 17:00

Sample wt/vol: 200(mL) Date Analyzed: 09/08/2012 06:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44641 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.014
100-41-4	Ethylbenzene	106.17	1.9		0.20	0.015
179601-23-1	m,p-Xylene	106.17	8.9		0.50	0.022
95-47-6	Xylene, o-	106.17	3.9		0.20	0.016
1330-20-7	Xylene (total)	106.17	13		0.20	0.016
75-25-2	Bromoform	252.75	0.20	U	0.20	0.0072
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.011
622-96-8	4-Ethyltoluene	120.20	0.33		0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.34		0.20	0.019

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: SV-2 | Lab Sample ID: 200-12536-2

Matrix: Air | Lab File ID: ckzq022.d

Analysis Method: TO-15 | Date Collected: 08/24/2012 17:00

Sample wt/vol: 200(mL) | Date Analyzed: 09/08/2012 06:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 44641 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.099
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.14
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.10
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.12
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	35		1.7	0.080
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.96		0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.093
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.091
67-66-3	Chloroform	119.38	7.3		0.98	0.12
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.99		0.69	0.065
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	1.5		0.93	0.070
71-43-2	Benzene	78.11	2.2		0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.073
142-82-5	n-Heptane	100.21	1.1		0.82	0.070
79-01-6	Trichloroethene	131.39	1.1	U	1.1	0.049
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.11
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.059
108-88-3	Toluene	92.14	24		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	2.2		1.4	0.10

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: SV-2 | Lab Sample ID: 200-12536-2

Matrix: Air | Lab File ID: ckzq022.d

Analysis Method: TO-15 | Date Collected: 08/24/2012 17:00

Sample wt/vol: 200(mL) | Date Analyzed: 09/08/2012 06:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 44641 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.11
100-41-4	Ethylbenzene	106.17	8.2		0.87	0.065
179601-23-1	m,p-Xylene	106.17	39		2.2	0.096
95-47-6	Xylene, o-	106.17	17		0.87	0.069
1330-20-7	Xylene (total)	106.17	55		0.87	0.069
75-25-2	Bromoform	252.75	2.1	U	2.1	0.074
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.076
622-96-8	4-Ethyltoluene	120.20	1.6		0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	1.7		0.98	0.093

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-12536-2
Client Smp ID: SV-2
Inj Date : 08-SEP-2012 06:50
Operator : wrd Inst ID: C.i
Smp Info : 200-12536-A-2
Misc Info : 200,1, LL+MeCl2
Comment :
Method : /chem/C.i/Csvr.p/ckzqto15.b/to15v5.m
Meth Date : 11-Sep-2012 12:58 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+MeCl.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

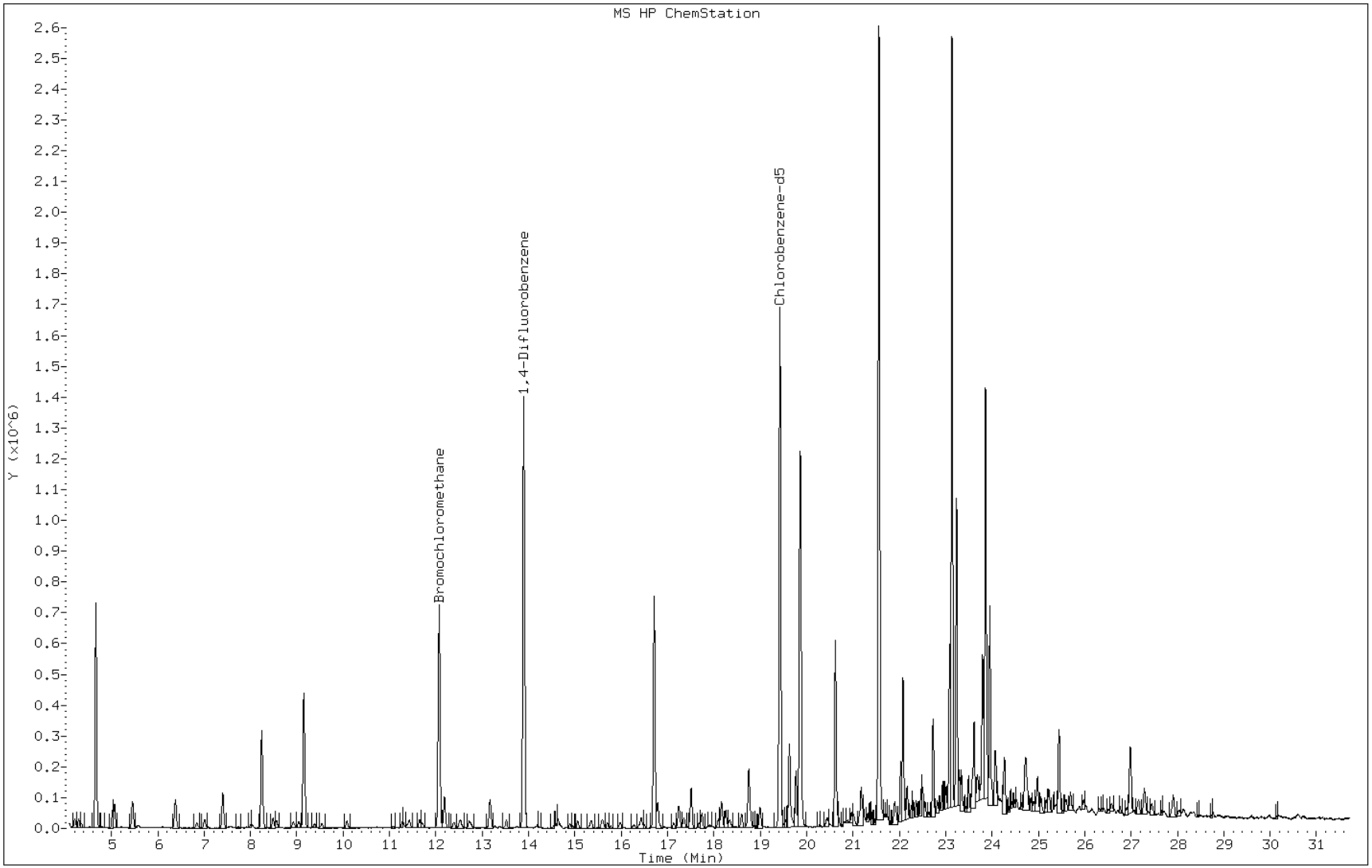
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.293	4.304	(0.356)	33778	0.36460	0.36(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.844	6.860	(0.567)	24119	0.24685	0.25
19 1,1-Dichloroethene	96	Compound Not Detected.					
23 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	9.150	9.177	(0.758)	322093	10.1628	10
27 Methyl tert-butyl ether	73	Compound Not Detected.					
28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30 n-Hexane	57	10.084	10.105	(0.836)	13960	0.27339	0.27
31 1,1-Dichloroethane	63	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	37 Bromochloromethane	128	12.069	12.096	(1.000)	337414	10.0000	(Q)
	39 Chloroform	83	12.187	12.213	(1.010)	112917	1.49808	1.5
	40 Cyclohexane	84	12.528	12.544	(0.902)	15079	0.28731	0.29(Q)
	41 1,1,1-Trichloroethane	97	12.496	12.528	(0.899)	4621	0.05410	0.054(a)
	42 Carbon tetrachloride	117	12.763	12.784	(0.919)	9384	0.10407	0.10(aQ)
	43 2,2,4-Trimethylpentane	57	13.185	13.201	(0.949)	54431	0.32981	0.33
	44 Benzene	78	13.163	13.190	(0.947)	76628	0.69148	0.69
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.521	13.542	(0.973)	16301	0.27636	0.28
*	47 1,4-Difluorobenzene	114	13.894	13.921	(1.000)	1871087	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	15.298	15.319	(1.101)	2907	0.03565	0.036(a)
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	16.712	16.734	(0.860)	542652	6.48821	6.5
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.742	17.764	(0.913)	25877	0.32816	0.33
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.423	19.450	(1.000)	1744597	10.0000	
	68 Ethylbenzene	91	19.632	19.653	(1.011)	333409	1.89521	1.9
	69 Xylene (m,p)	106	19.861	19.893	(1.023)	650553	8.87626	8.9
M	70 Xylenes, Total	106				925216	12.7470	13
	71 Xylene (o)	106	20.624	20.646	(1.062)	274663	3.87079	3.9
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	22.070	22.092	(1.136)	65761	0.33280	0.33
	81 1,3,5-Trimethylbenzene	105	22.172	22.193	(1.141)	58824	0.34324	0.34

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File:	ckzq022.d	Date:	08-SEP-2012 06:50
Client ID:	SV-2	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-12536-A-2		
Lab Sample ID:	200-12536-2		



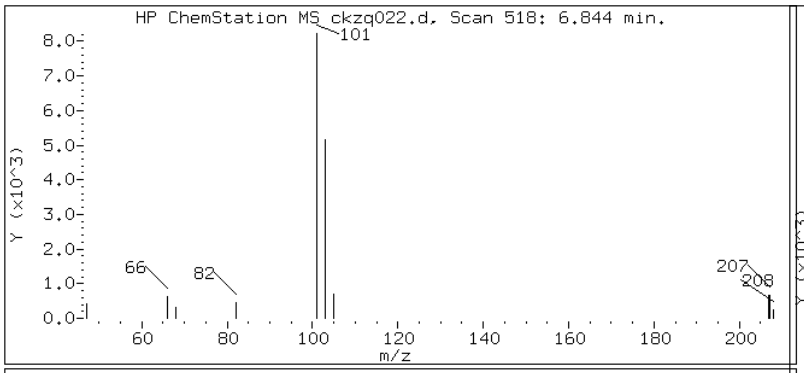
Data File: ckzq022.d

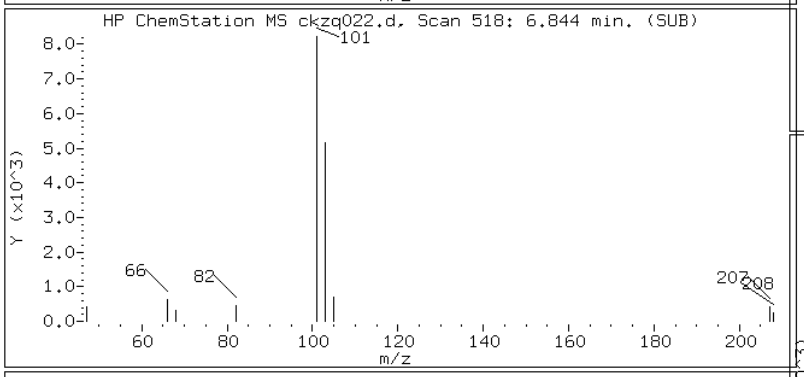
Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

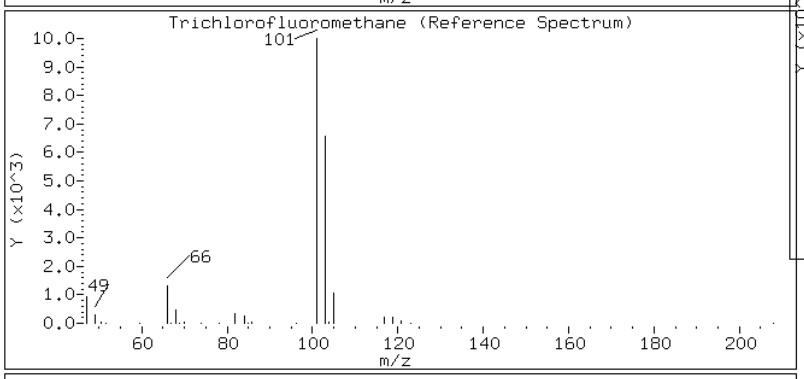
Client ID: SV-2 Instrument: C.i

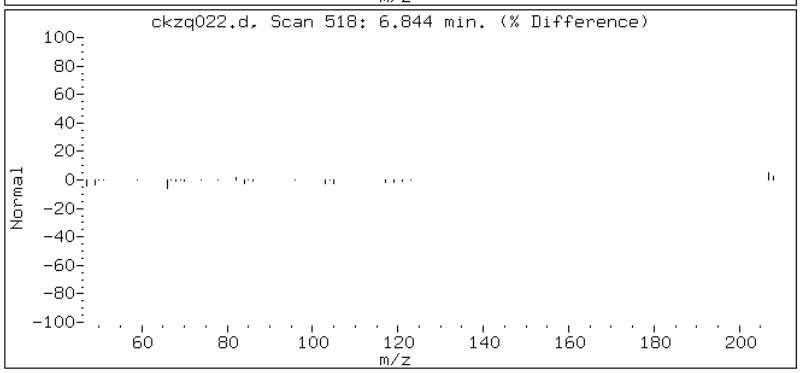
Sample Info: 200-12536-A-2 Operator: wrd

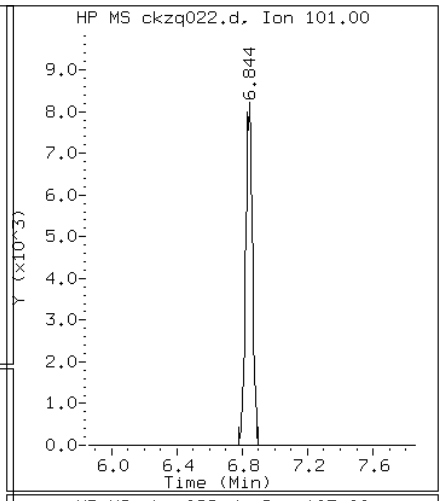
13 Trichlorofluoromethane

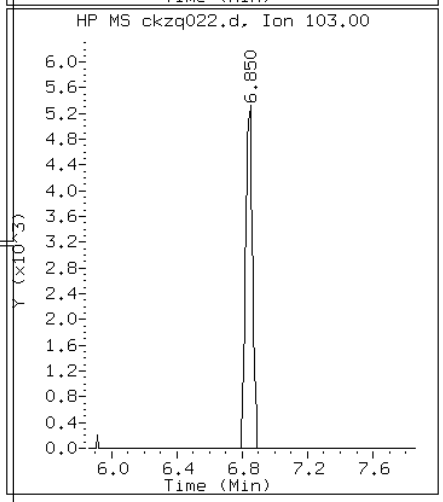












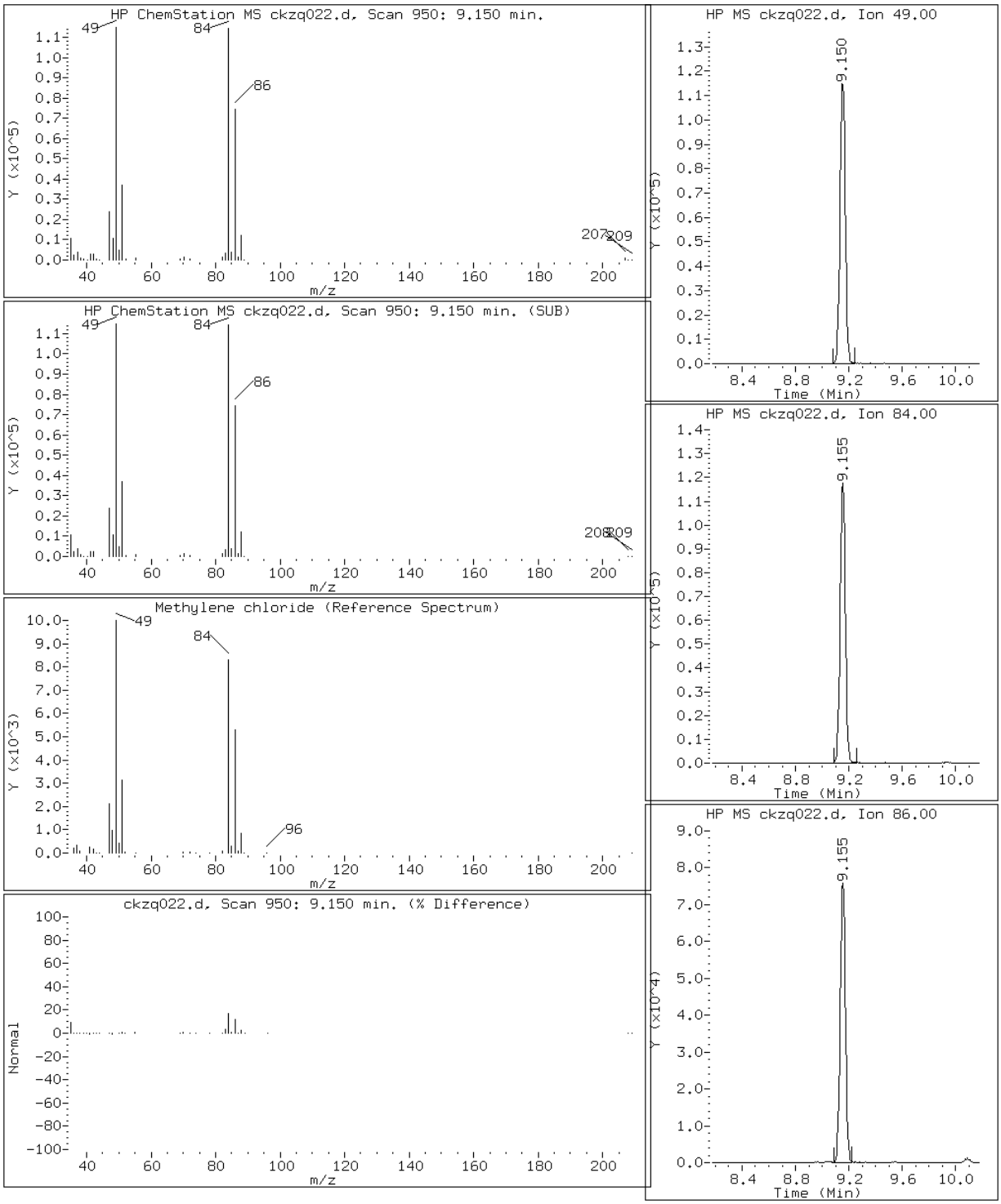
Data File: ckzq022.d

Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

Client ID: SV-2 Instrument: C.i

Sample Info: 200-12536-A-2 Operator: wrd

25 Methylene chloride



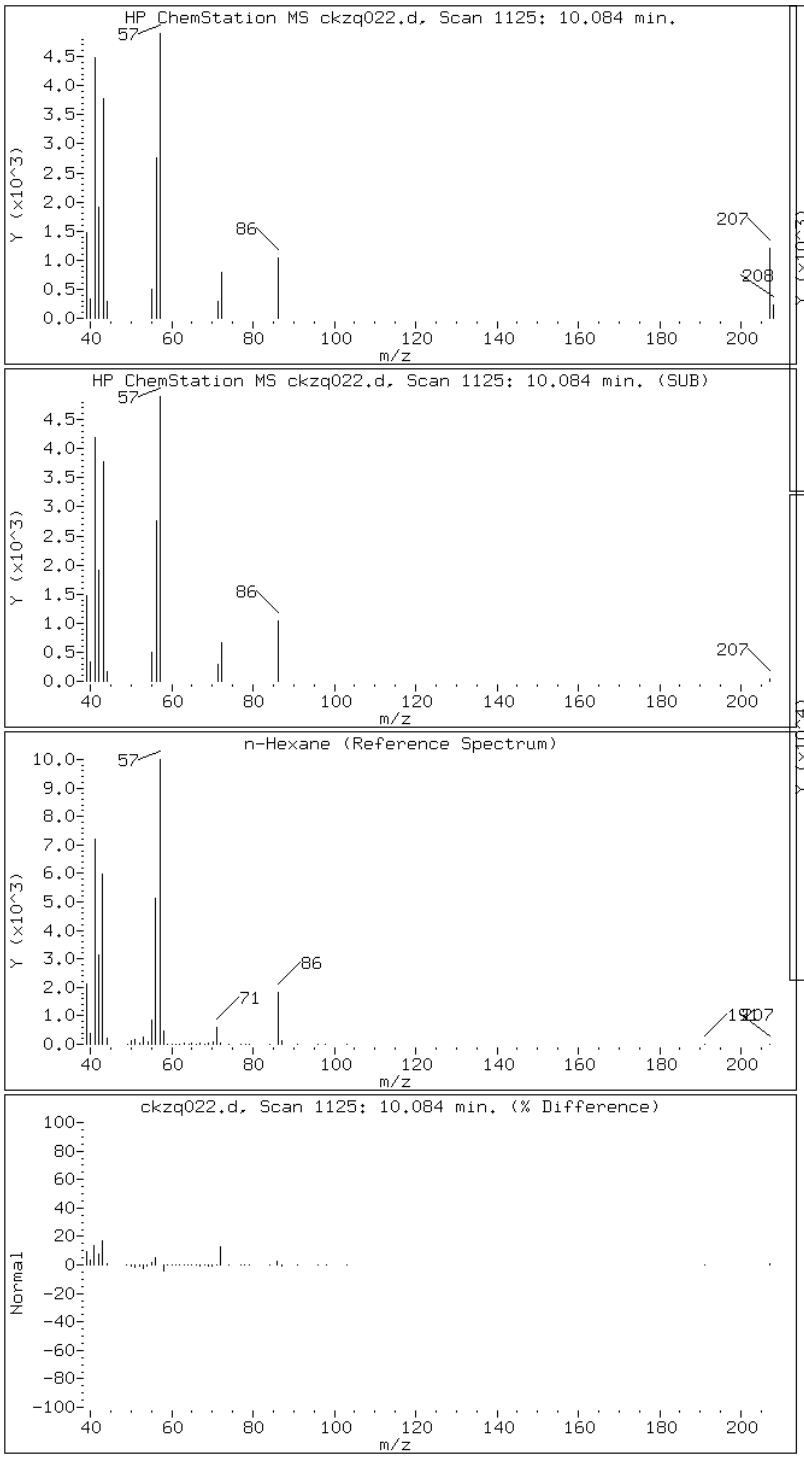
Data File: ckzq022.d

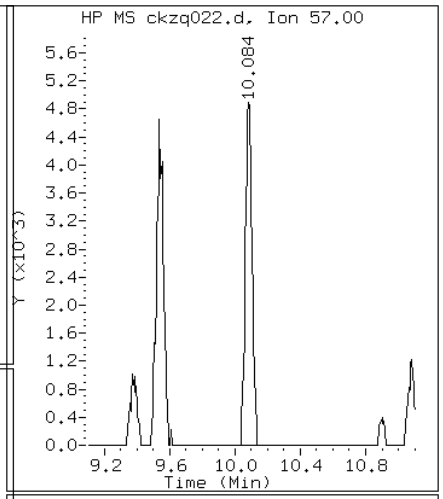
Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

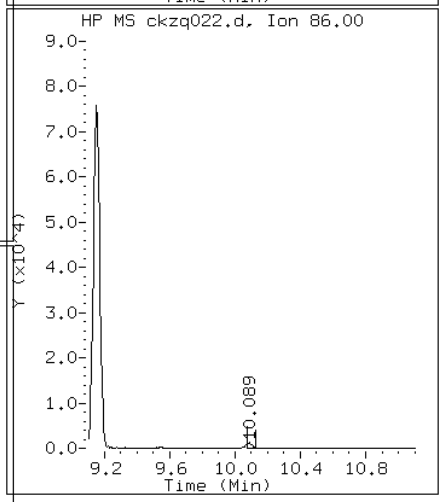
Client ID: SV-2 Instrument: C.i

Sample Info: 200-12536-A-2 Operator: wrd

30 n-Hexane







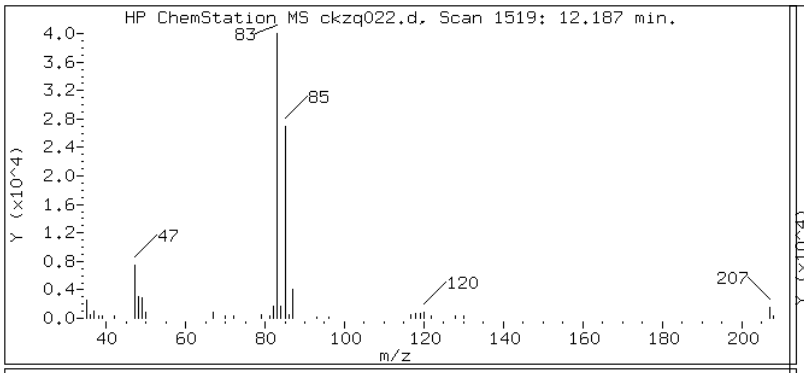
Data File: ckzq022.d

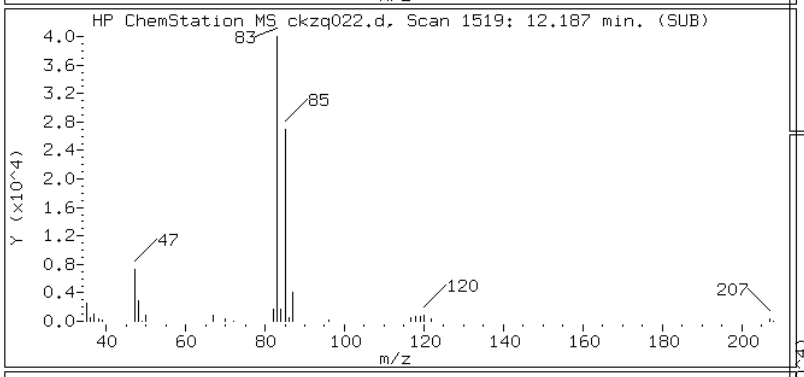
Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

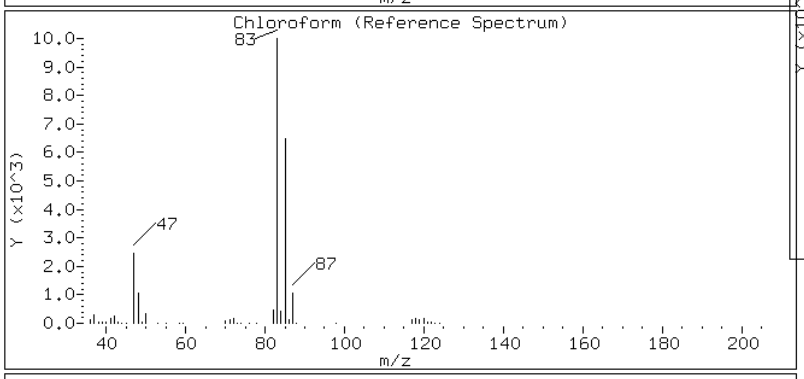
Client ID: SV-2 Instrument: C.i

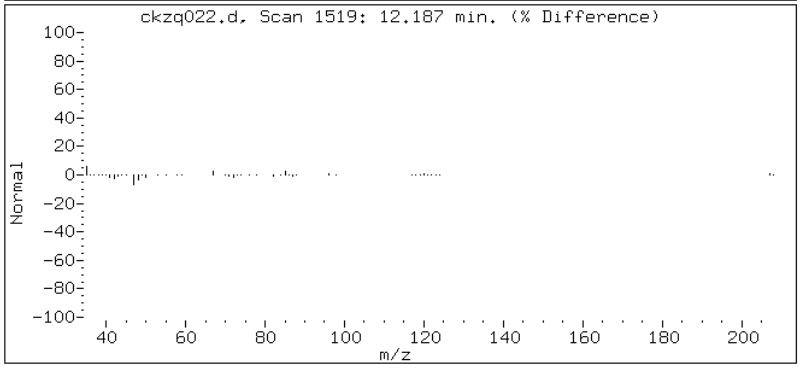
Sample Info: 200-12536-A-2 Operator: wrd

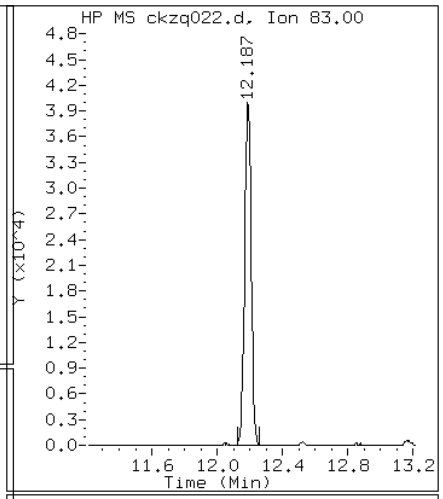
39 Chloroform

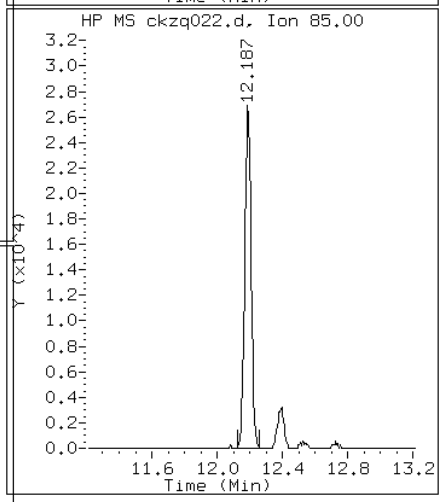












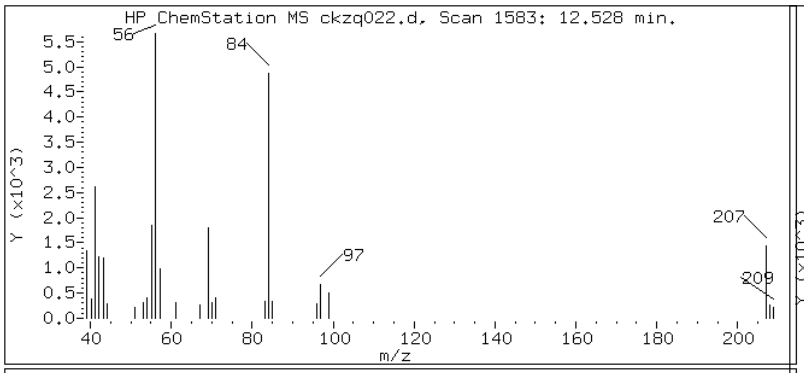
Data File: ckzq022.d

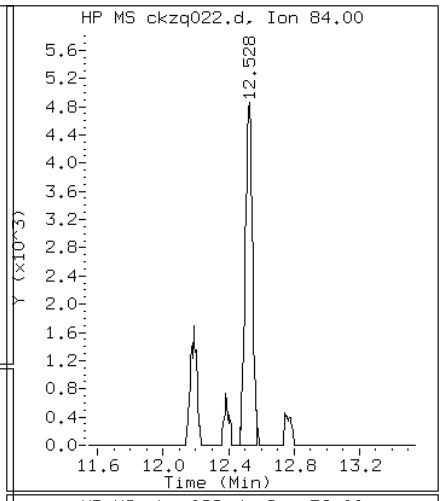
Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

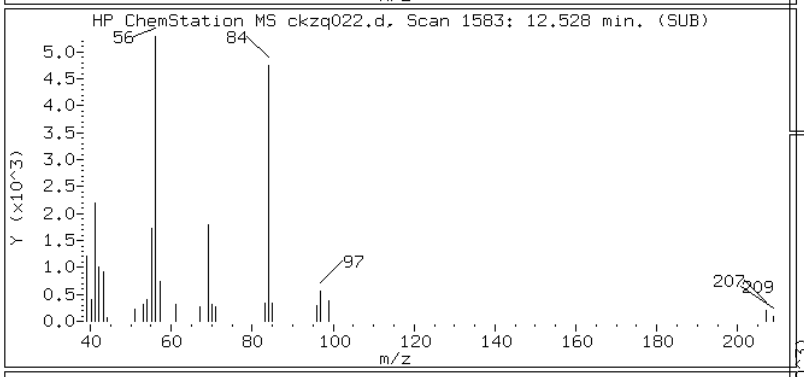
Client ID: SV-2 Instrument: C.i

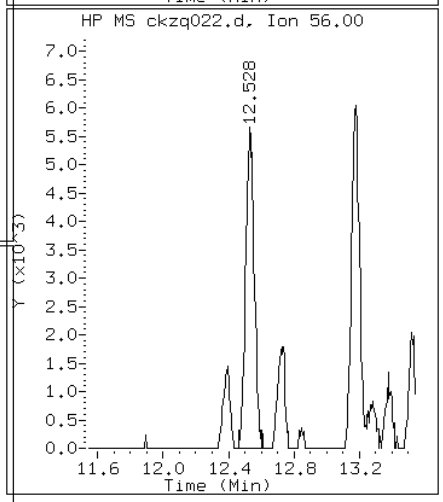
Sample Info: 200-12536-A-2 Operator: wrd

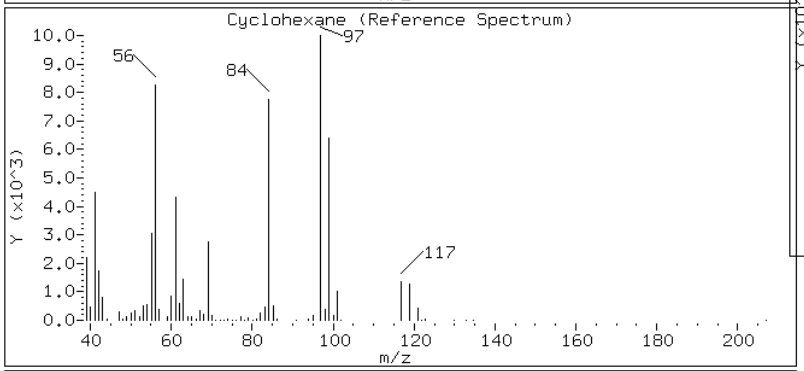
40 Cyclohexane

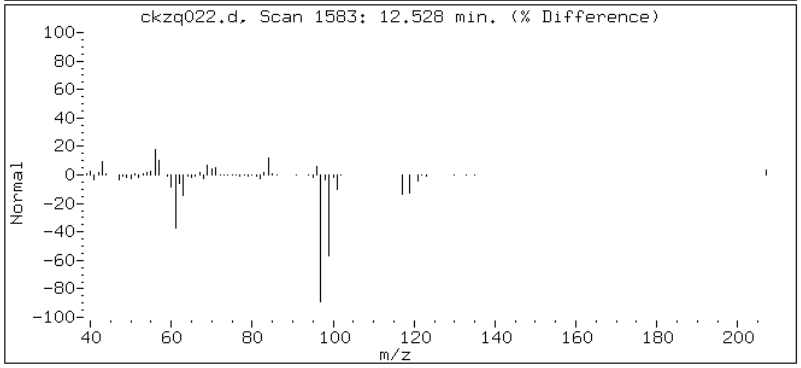












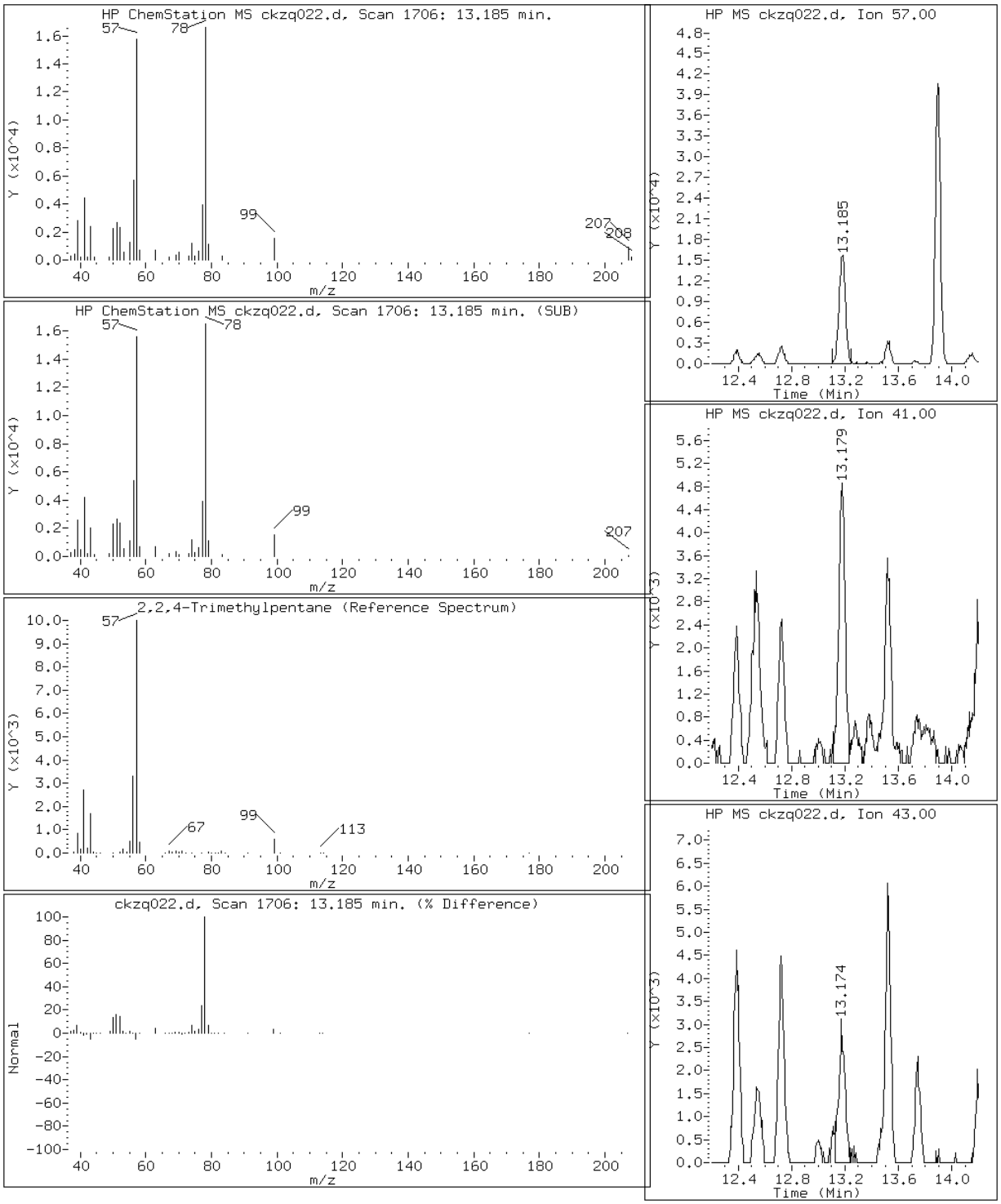
Data File: ckzq022.d

Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

Client ID: SV-2 Instrument: C.i

Sample Info: 200-12536-A-2 Operator: wrd

43 2,2,4-Trimethylpentane



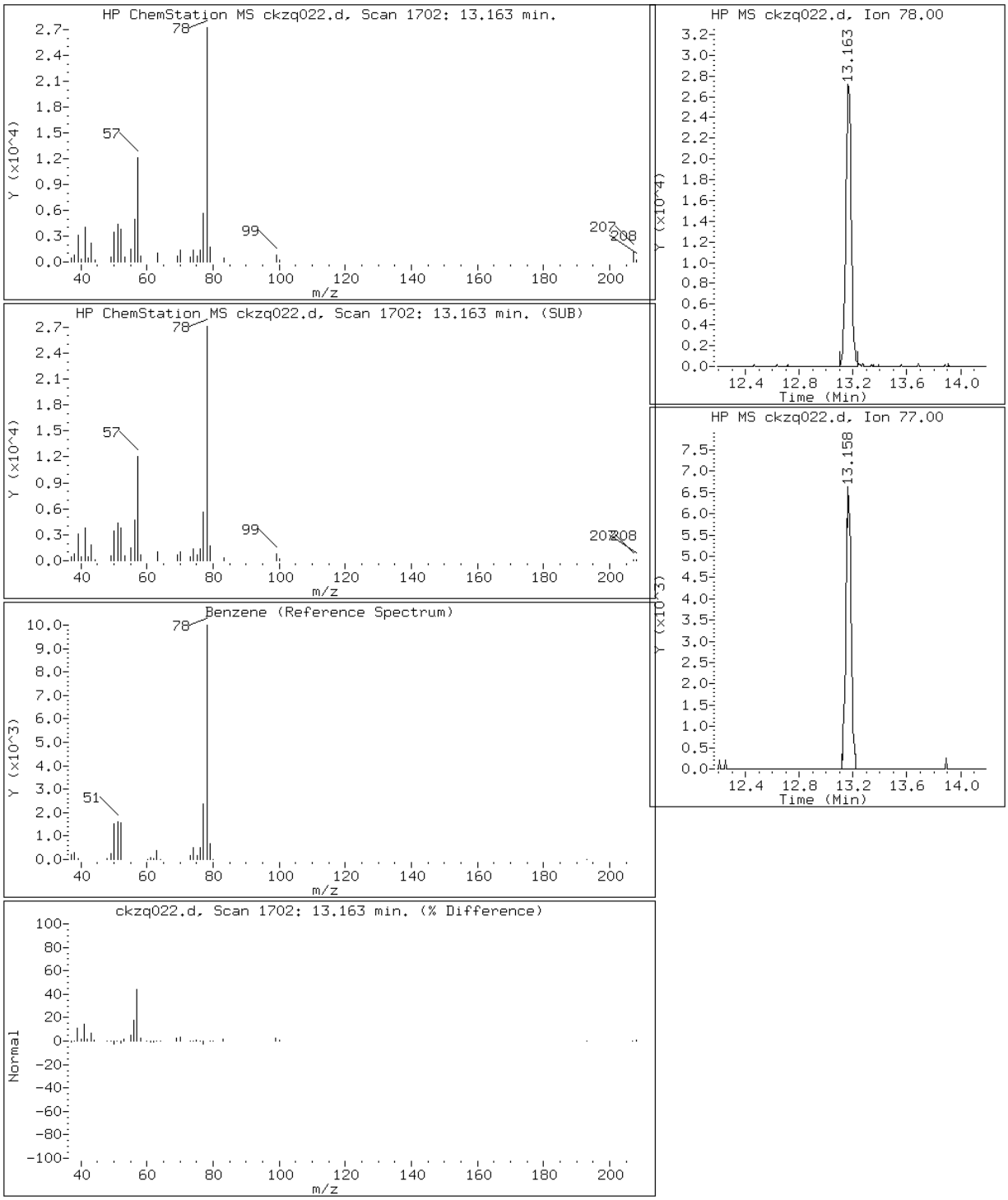
Data File: ckzq022.d

Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

Client ID: SV-2 Instrument: C.i

Sample Info: 200-12536-A-2 Operator: wrd

44 Benzene



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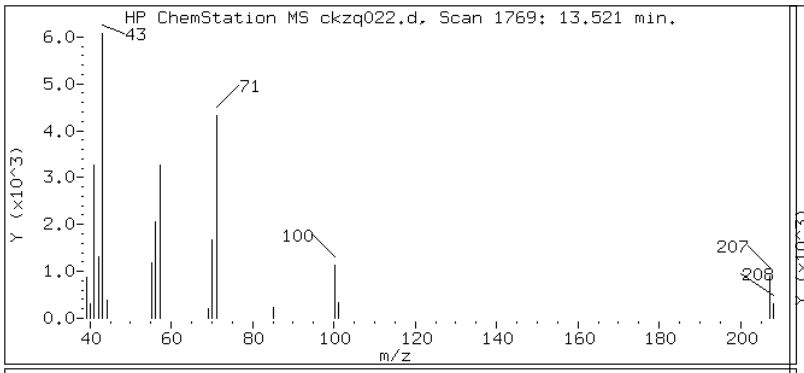
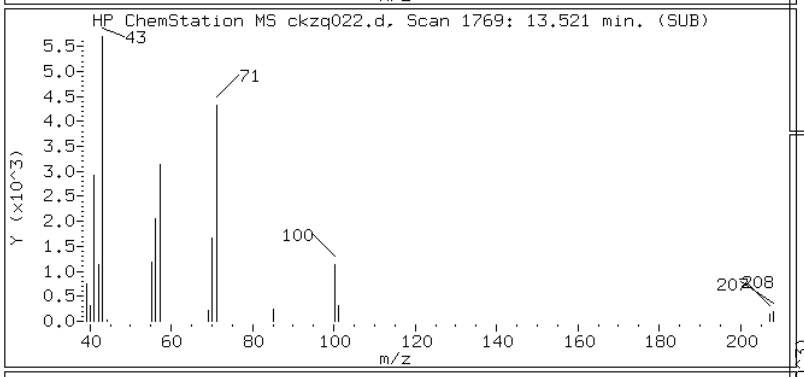
Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

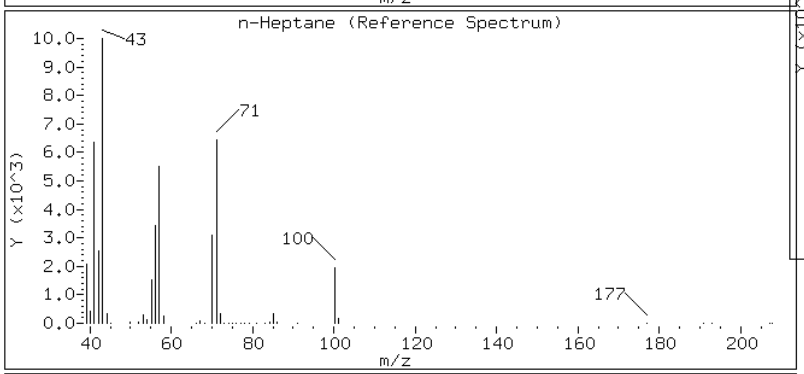
Client ID: SV-2 Instrument: C.i

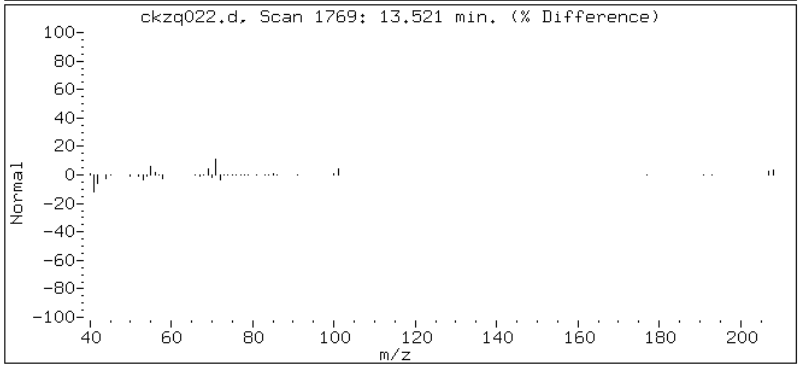
Sample Info: 200-12536-A-2 Operator: wrd

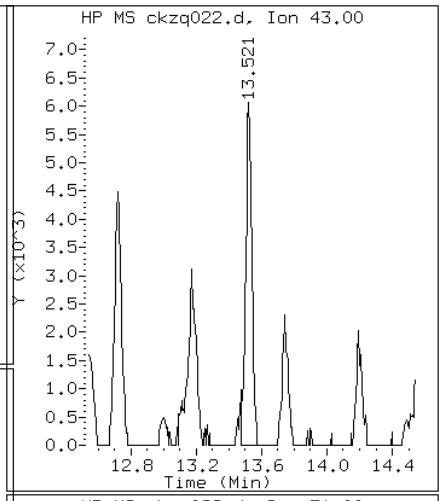
46 n-Heptane

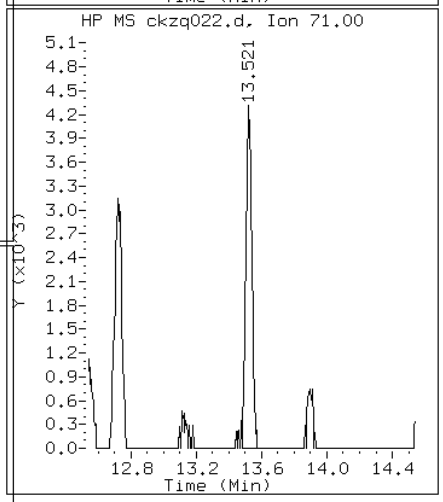












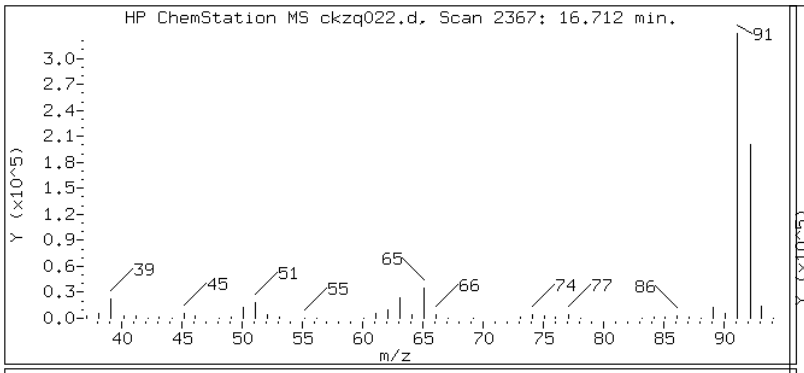
Data File: ckzq022.d

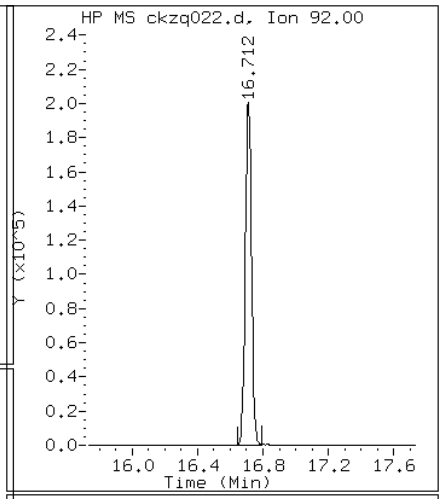
Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

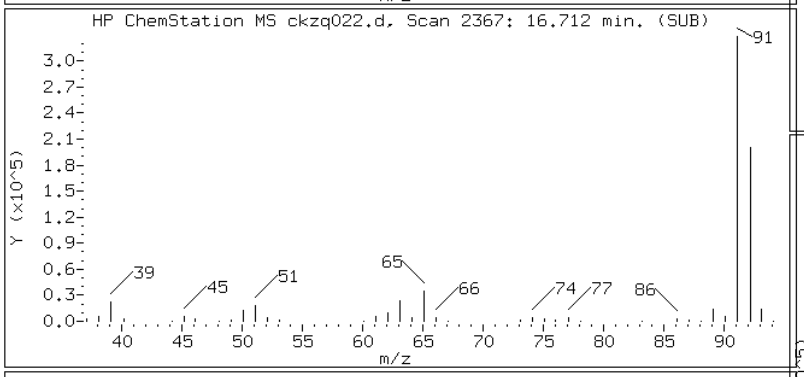
Client ID: SV-2 Instrument: C.i

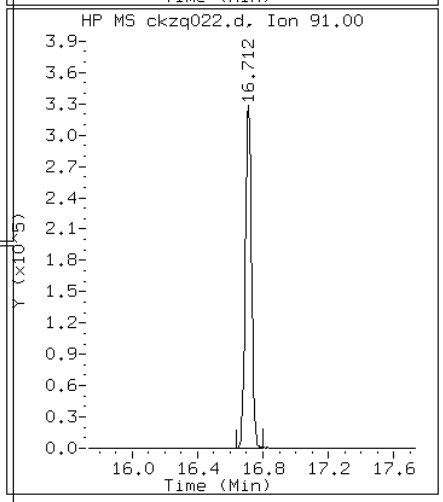
Sample Info: 200-12536-A-2 Operator: wrd

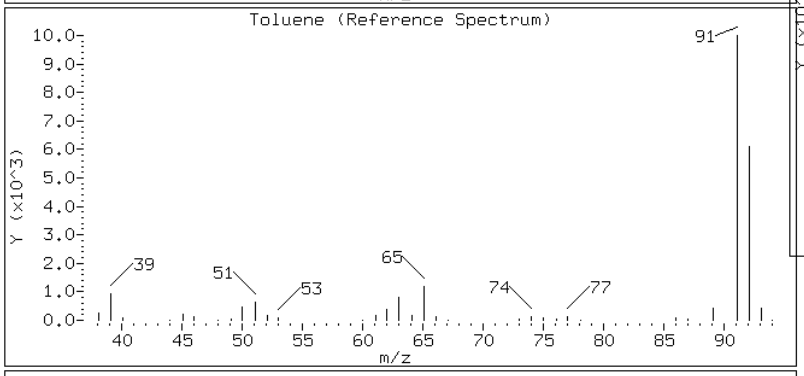
58 Toluene

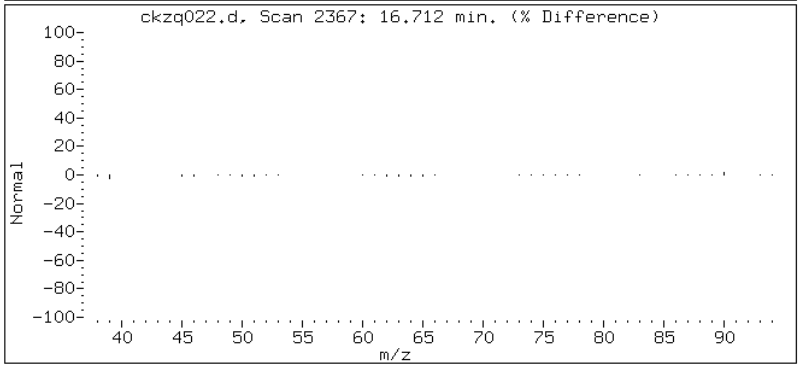












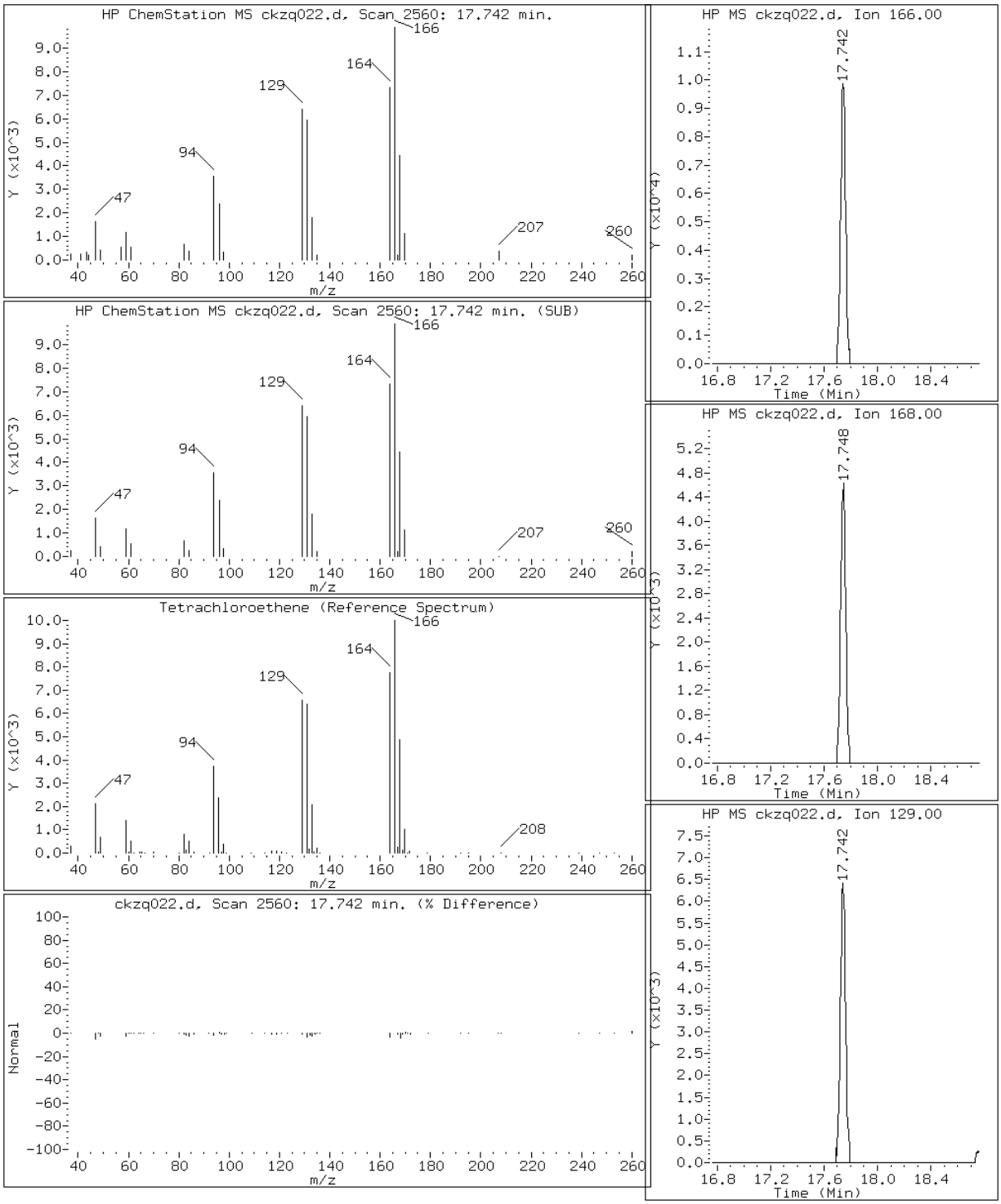
Data File: ckzq022.d

Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

Client ID: SV-2 Instrument: C.i

Sample Info: 200-12536-A-2 Operator: wrd

61 Tetrachloroethene



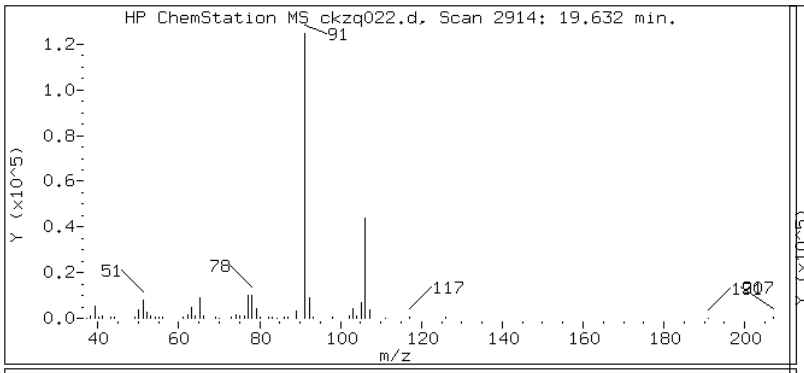
Data File: ckzq022.d

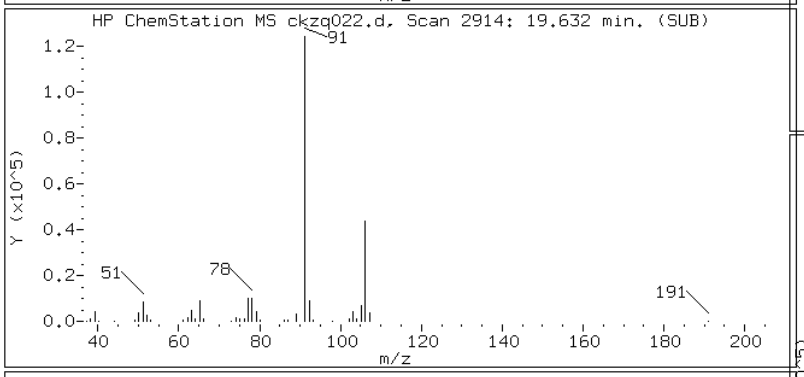
Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

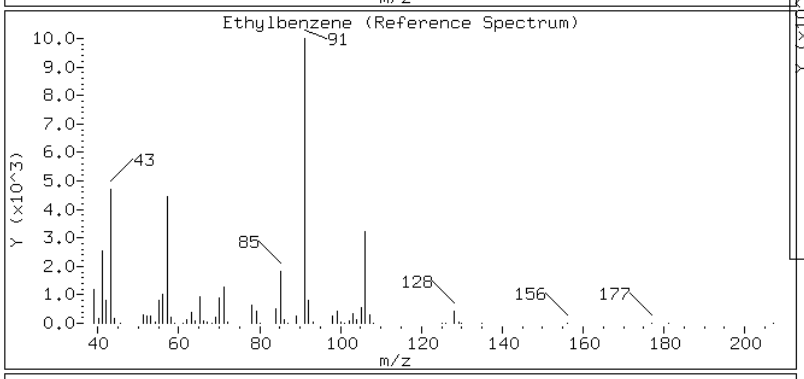
Client ID: SV-2 Instrument: C.i

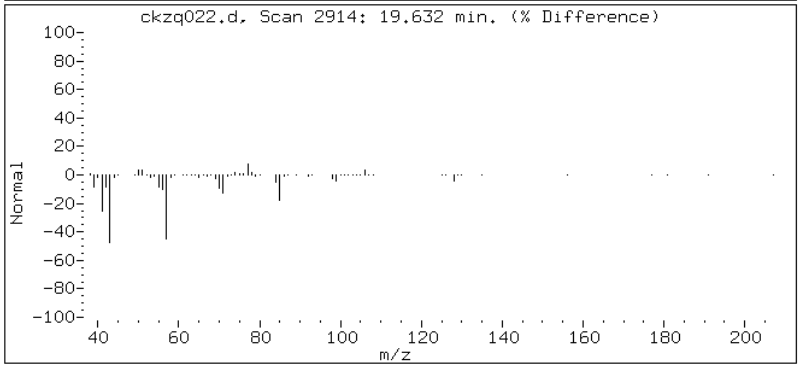
Sample Info: 200-12536-A-2 Operator: wrd

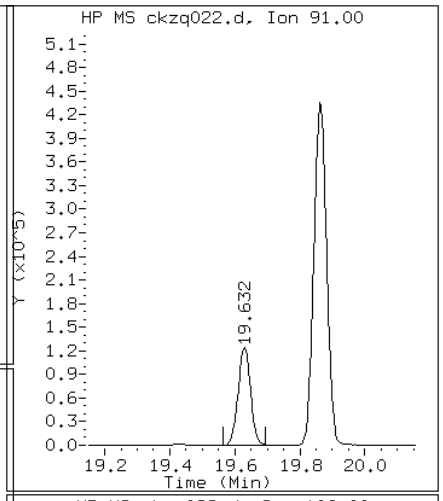
68 Ethylbenzene

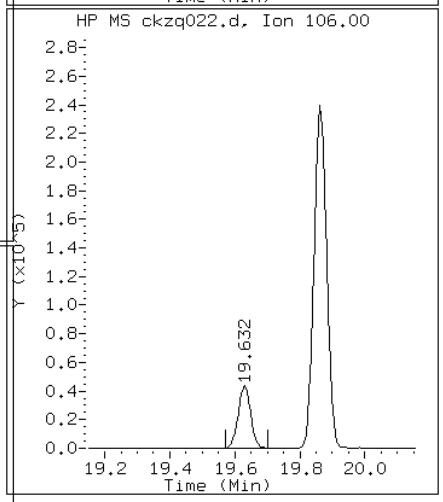












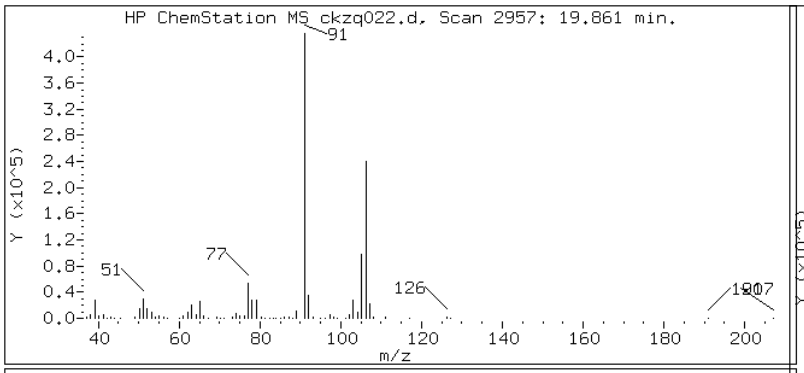
Data File: ckzq022.d

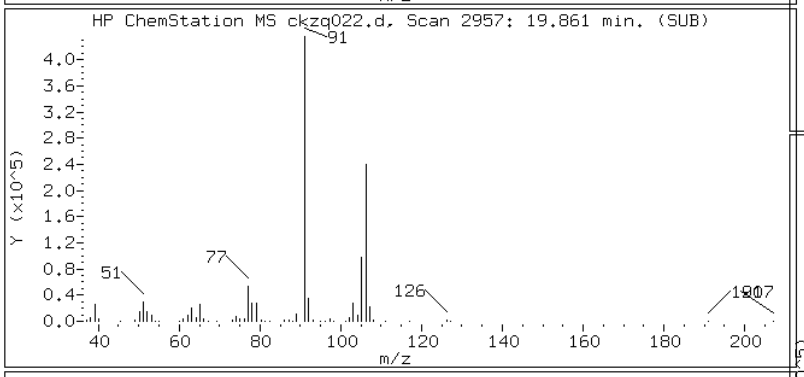
Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

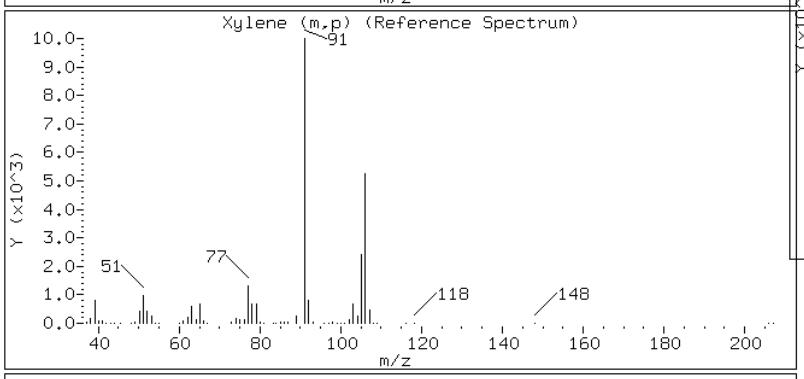
Client ID: SV-2 Instrument: C.i

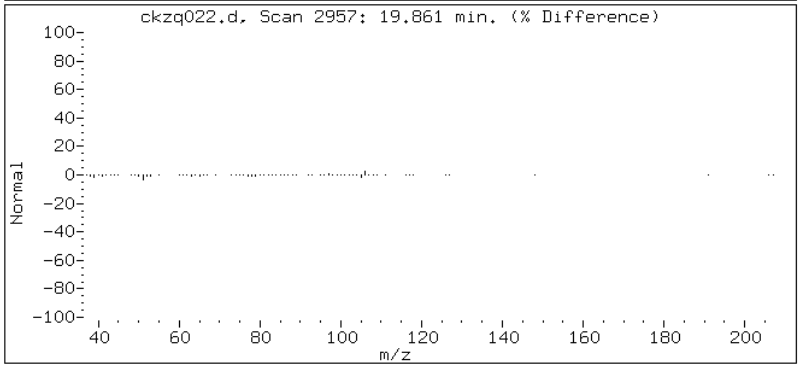
Sample Info: 200-12536-A-2 Operator: wrd

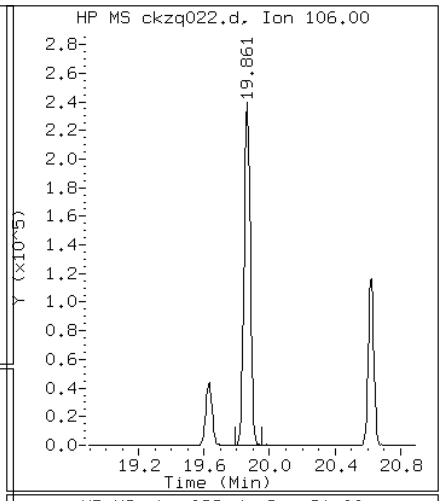
69 Xylene (m,p)

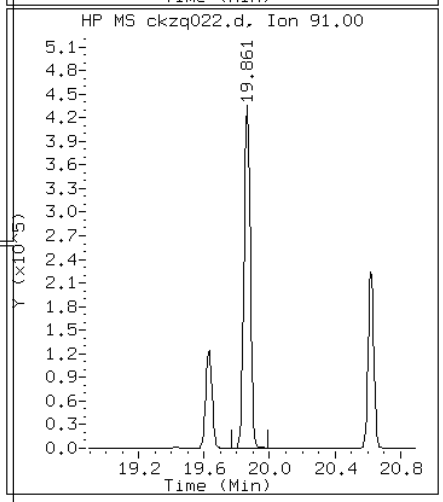












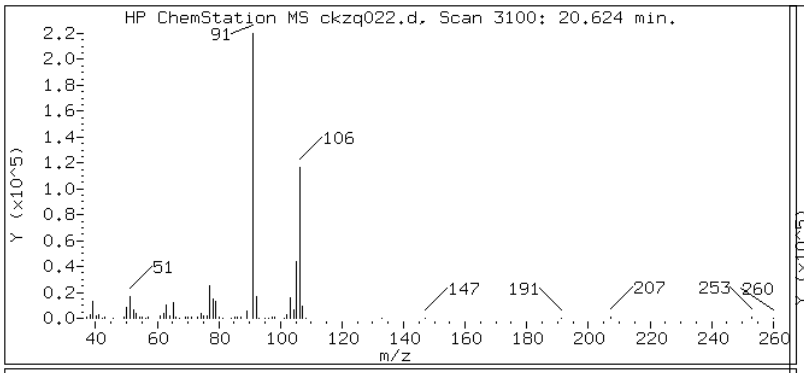
Data File: ckzq022.d

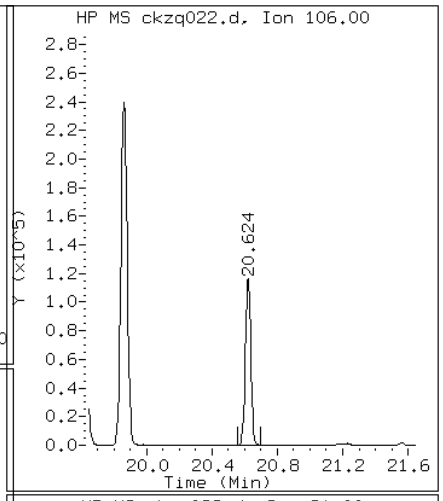
Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

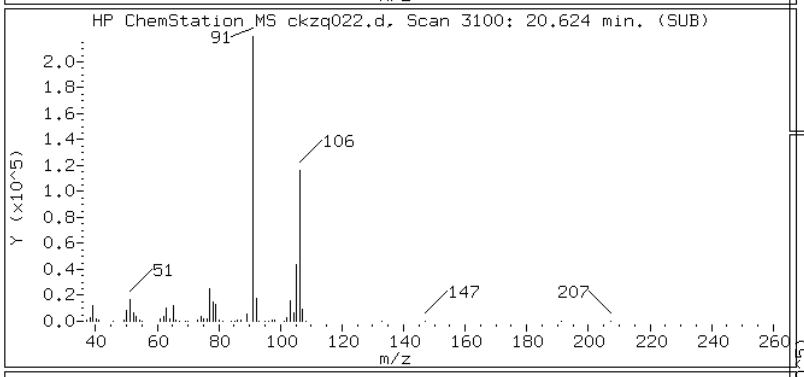
Client ID: SV-2 Instrument: C.i

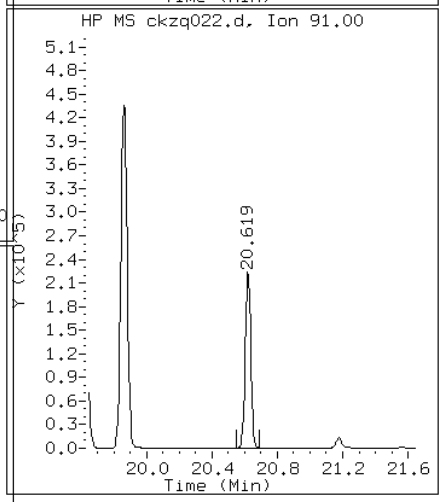
Sample Info: 200-12536-A-2 Operator: wrd

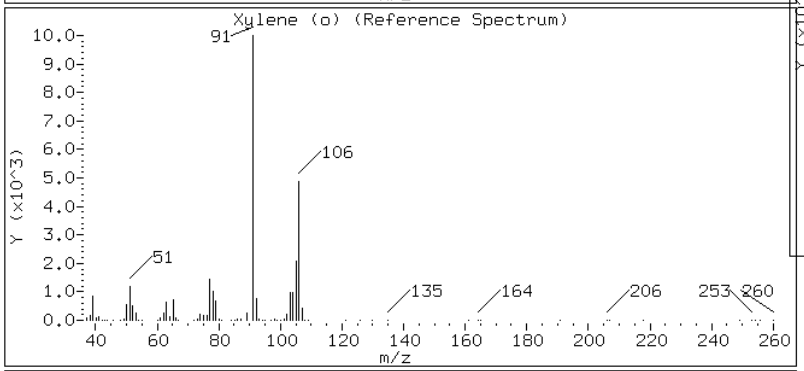
71 Xylene (o)

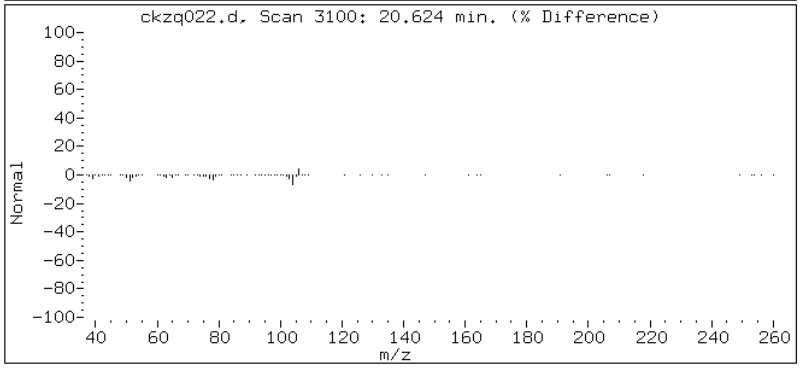












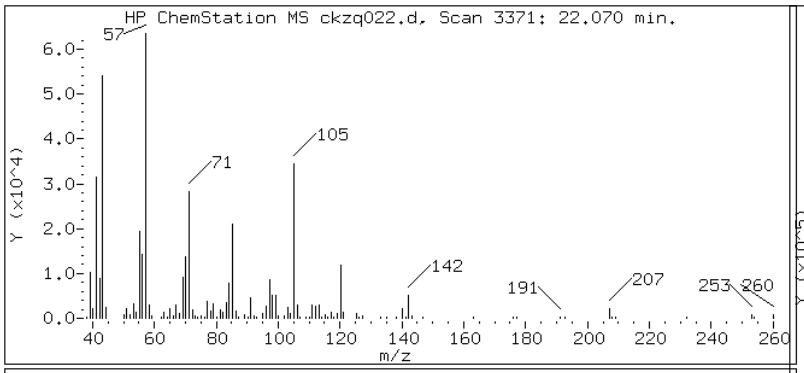
Data File: ckzq022.d

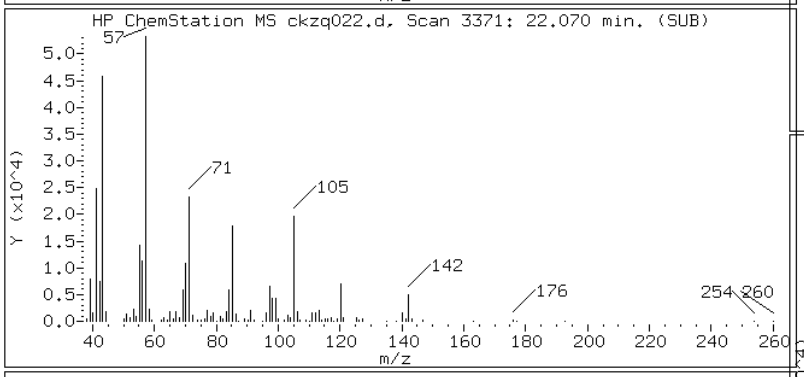
Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

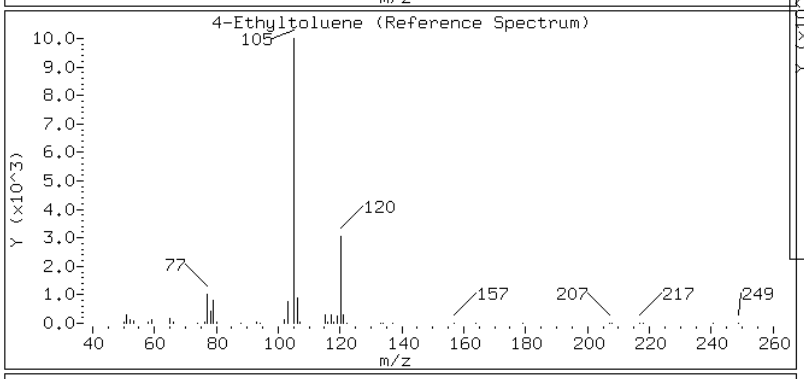
Client ID: SV-2 Instrument: C.i

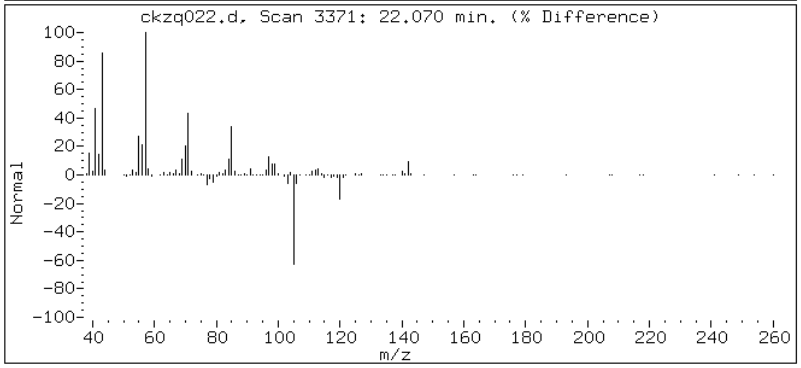
Sample Info: 200-12536-A-2 Operator: wrd

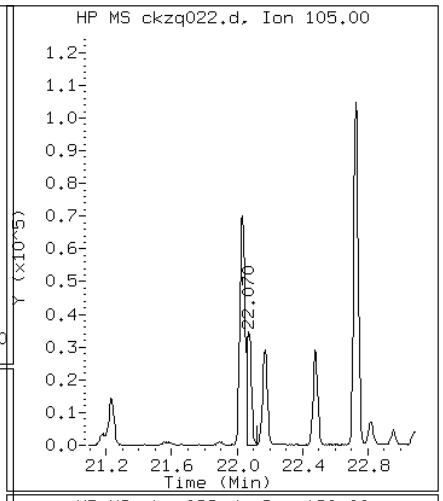
79 4-Ethyltoluene

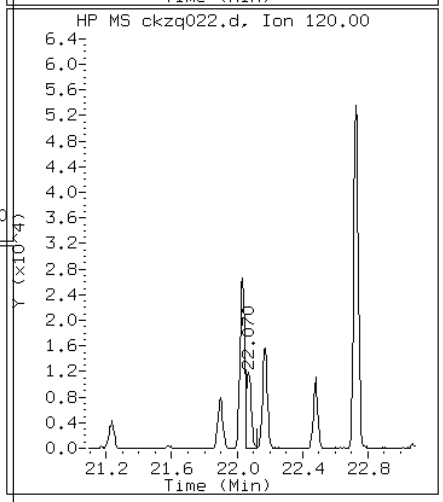












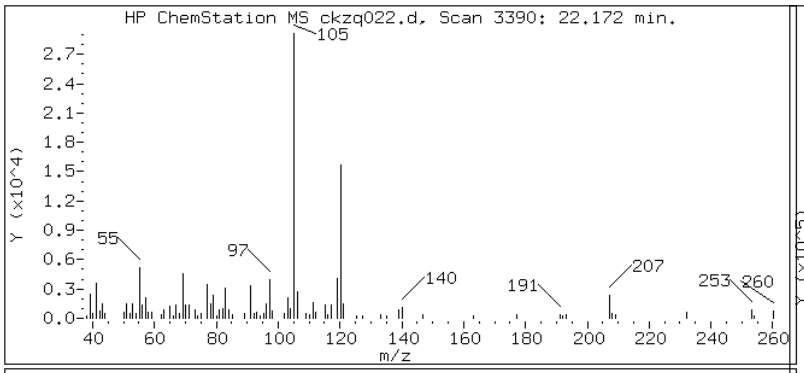
Data File: ckzq022.d

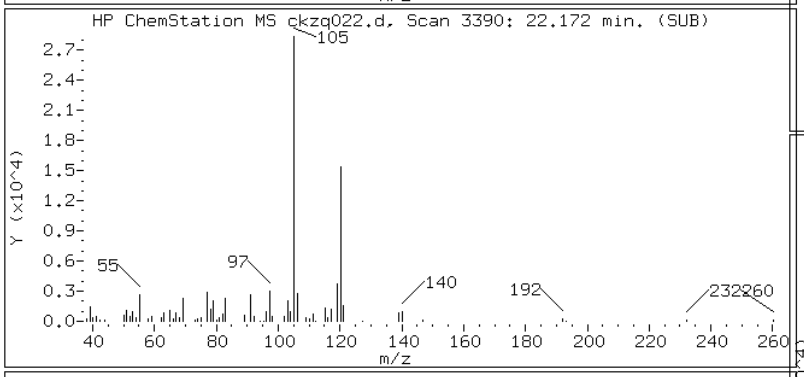
Lab Sample ID: 200-12536-2 Date: 08-SEP-2012 06:50

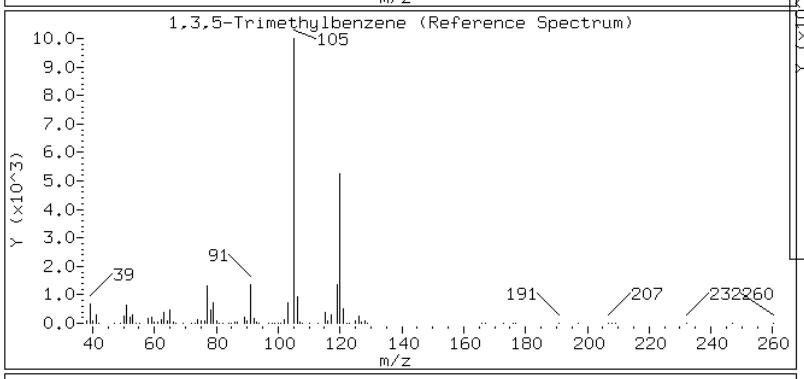
Client ID: SV-2 Instrument: C.i

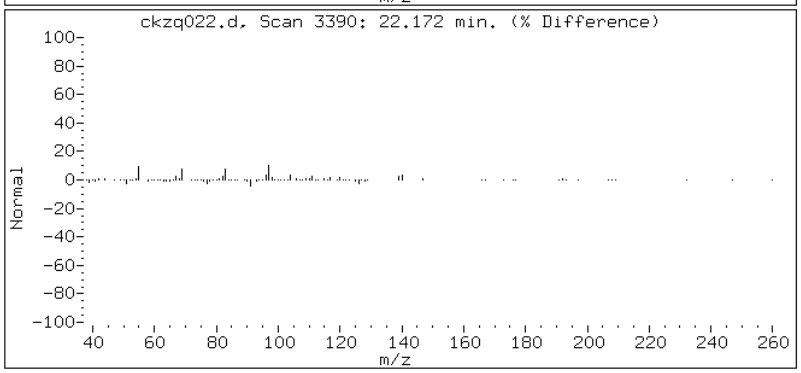
Sample Info: 200-12536-A-2 Operator: wrd

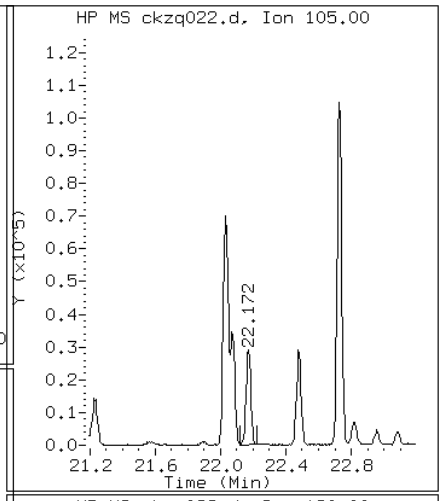
81 1,3,5-Trimethylbenzene

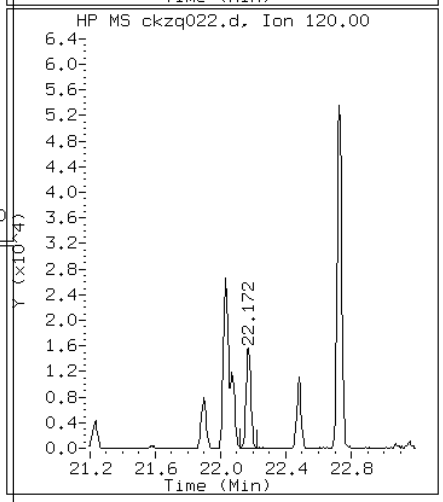












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: SV-3 | Lab Sample ID: 200-12536-3

Matrix: Air | Lab File ID: ckzq023.d

Analysis Method: TO-15 | Date Collected: 08/28/2012 14:25

Sample wt/vol: 200(mL) | Date Analyzed: 09/08/2012 07:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 44641 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.020
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.020
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.24		0.20	0.021
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	1.9		0.50	0.023
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.32		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.023
67-66-3	Chloroform	119.38	0.29		0.20	0.024
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.56		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.015
71-43-2	Benzene	78.11	0.20	U	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.018
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.017
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.0092
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.023
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.013
108-88-3	Toluene	92.14	4.0		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	3.3		0.20	0.015

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: SV-3 Lab Sample ID: 200-12536-3

Matrix: Air Lab File ID: ckzq023.d

Analysis Method: TO-15 Date Collected: 08/28/2012 14:25

Sample wt/vol: 200(mL) Date Analyzed: 09/08/2012 07:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44641 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.014
100-41-4	Ethylbenzene	106.17	0.41		0.20	0.015
179601-23-1	m,p-Xylene	106.17	1.7		0.50	0.022
95-47-6	Xylene, o-	106.17	0.79		0.20	0.016
1330-20-7	Xylene (total)	106.17	2.5		0.20	0.016
75-25-2	Bromoform	252.75	0.20	U	0.20	0.0072
79-34-5	1,1,2,2-Tetrachloroethane	167.85	0.20	U	0.20	0.011
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.23		0.20	0.019

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: SV-3 | Lab Sample ID: 200-12536-3

Matrix: Air | Lab File ID: ckzq023.d

Analysis Method: TO-15 | Date Collected: 08/28/2012 14:25

Sample wt/vol: 200(mL) | Date Analyzed: 09/08/2012 07:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 44641 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.099
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.14
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.10
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.4		1.1	0.12
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	6.5		1.7	0.080
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	1.1		0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.093
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.091
67-66-3	Chloroform	119.38	1.4		0.98	0.12
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	1.9		0.69	0.065
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.070
71-43-2	Benzene	78.11	0.64	U	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.073
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.070
79-01-6	Trichloroethene	131.39	1.1	U	1.1	0.049
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.11
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.059
108-88-3	Toluene	92.14	15		0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	22		1.4	0.10

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: SV-3 Lab Sample ID: 200-12536-3

Matrix: Air Lab File ID: ckzq023.d

Analysis Method: TO-15 Date Collected: 08/28/2012 14:25

Sample wt/vol: 200(mL) Date Analyzed: 09/08/2012 07:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44641 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.11
100-41-4	Ethylbenzene	106.17	1.8		0.87	0.065
179601-23-1	m,p-Xylene	106.17	7.4		2.2	0.096
95-47-6	Xylene, o-	106.17	3.4		0.87	0.069
1330-20-7	Xylene (total)	106.17	11		0.87	0.069
75-25-2	Bromoform	252.75	2.1	U	2.1	0.074
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.076
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	1.1		0.98	0.093

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-12536-3
Client Smp ID: SV-3
Inj Date : 08-SEP-2012 07:44
Operator : wrd Inst ID: C.i
Smp Info : 200-12536-A-3
Misc Info : 200,1, LL+MeCl2
Comment :
Method : /chem/C.i/Csvr.p/ckzqto15.b/to15v5.m
Meth Date : 10-Sep-2012 09:03 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TO15LL+MeCl.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

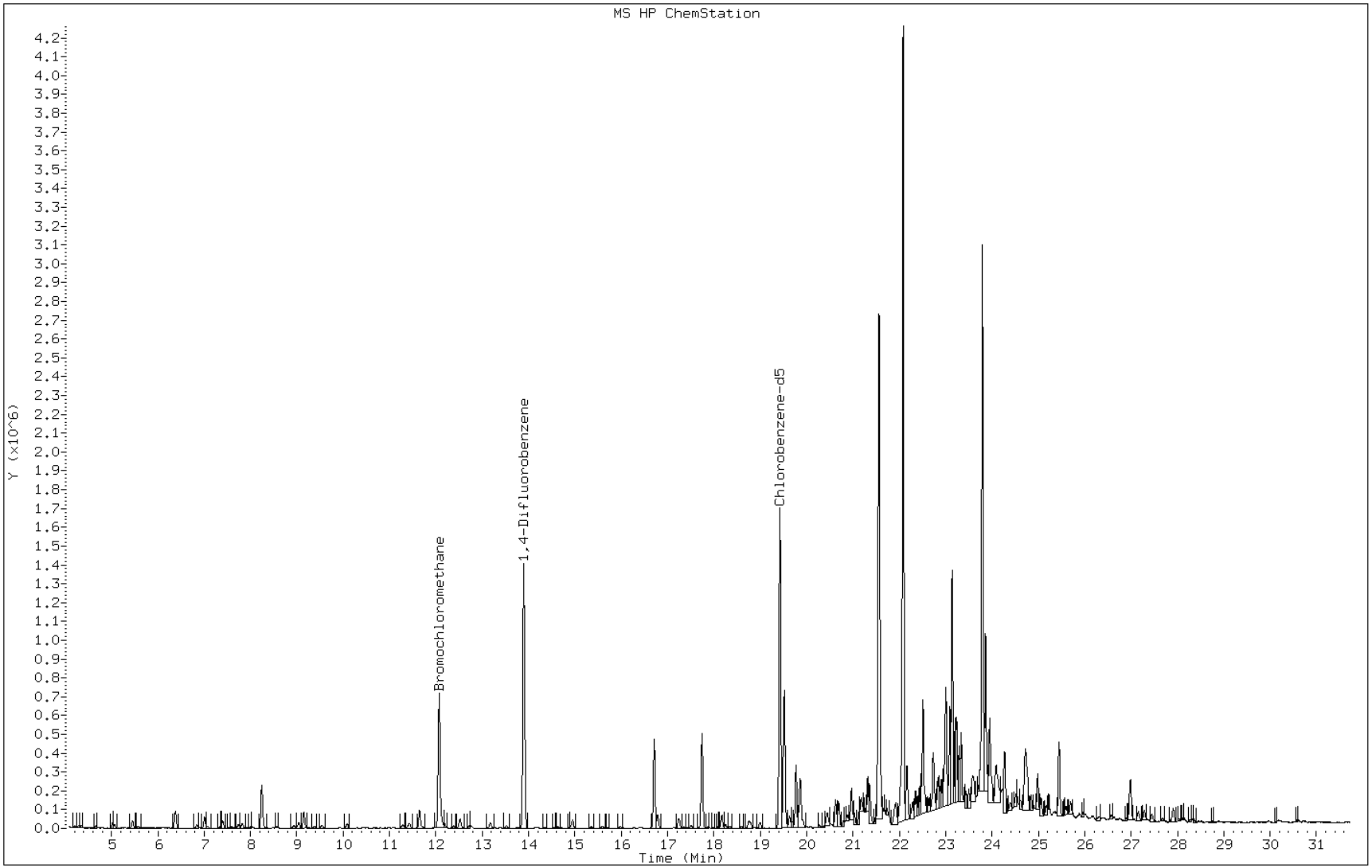
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85	4.288	4.304	(0.355)	16893	0.18212	0.18(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	6.268	6.284	(0.519)	286	0.01776	0.018(aQ)
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	6.839	6.860	(0.567)	23631	0.24156	0.24
19 1,1-Dichloroethene	96	Compound Not Detected.					
23 Allyl chloride	41	Compound Not Detected.					
25 Methylene chloride	49	9.150	9.177	(0.758)	59706	1.88152	1.9
27 Methyl tert-butyl ether	73	Compound Not Detected.					
28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
30 n-Hexane	57	10.084	10.105	(0.836)	16486	0.32245	0.32
31 1,1-Dichloroethane	63	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
*	37 Bromochloromethane	128	12.069	12.096	(1.000)	337835	10.0000	(Q)
	39 Chloroform	83	12.187	12.213	(1.010)	21818	0.28910	0.29
	40 Cyclohexane	84	12.528	12.544	(0.901)	29753	0.56288	0.56
	41 1,1,1-Trichloroethane	97	12.501	12.528	(0.899)	8417	0.09785	0.098(aQ)
	42 Carbon tetrachloride	117	12.768	12.784	(0.919)	10754	0.11841	0.12(a)
	43 2,2,4-Trimethylpentane	57	13.185	13.201	(0.949)	24631	0.14818	0.15(aM)
	44 Benzene	78	13.163	13.190	(0.947)	15990	0.14327	0.14(a)
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	13.521	13.542	(0.973)	8174	0.13760	0.14(a)
*	47 1,4-Difluorobenzene	114	13.900	13.921	(1.000)	1884465	10.0000	
	49 Trichloroethene	95	14.359	14.375	(1.033)	3368	0.06412	0.064(a)
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	58 Toluene	92	16.712	16.734	(0.860)	339564	4.02343	4.0
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	17.742	17.764	(0.913)	261745	3.28941	3.3
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.423	19.450	(1.000)	1760449	10.0000	
	68 Ethylbenzene	91	19.632	19.653	(1.011)	72528	0.40856	0.41
	69 Xylene (m,p)	106	19.866	19.893	(1.023)	125481	1.69667	1.7
M	70 Xylenes, Total	106				182059	2.48684	2.5
	71 Xylene (o)	106	20.624	20.646	(1.062)	56578	0.79017	0.79
	73 Bromoform	173	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	79 4-Ethyltoluene	105	22.070	22.092	(1.136)	35316	0.17712	0.18(a)
	81 1,3,5-Trimethylbenzene	105	22.172	22.193	(1.141)	39135	0.22629	0.23

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckzq023.d	Date:	08-SEP-2012 07:44
Client ID:	SV-3	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-12536-A-3		
Lab Sample ID:	200-12536-3		



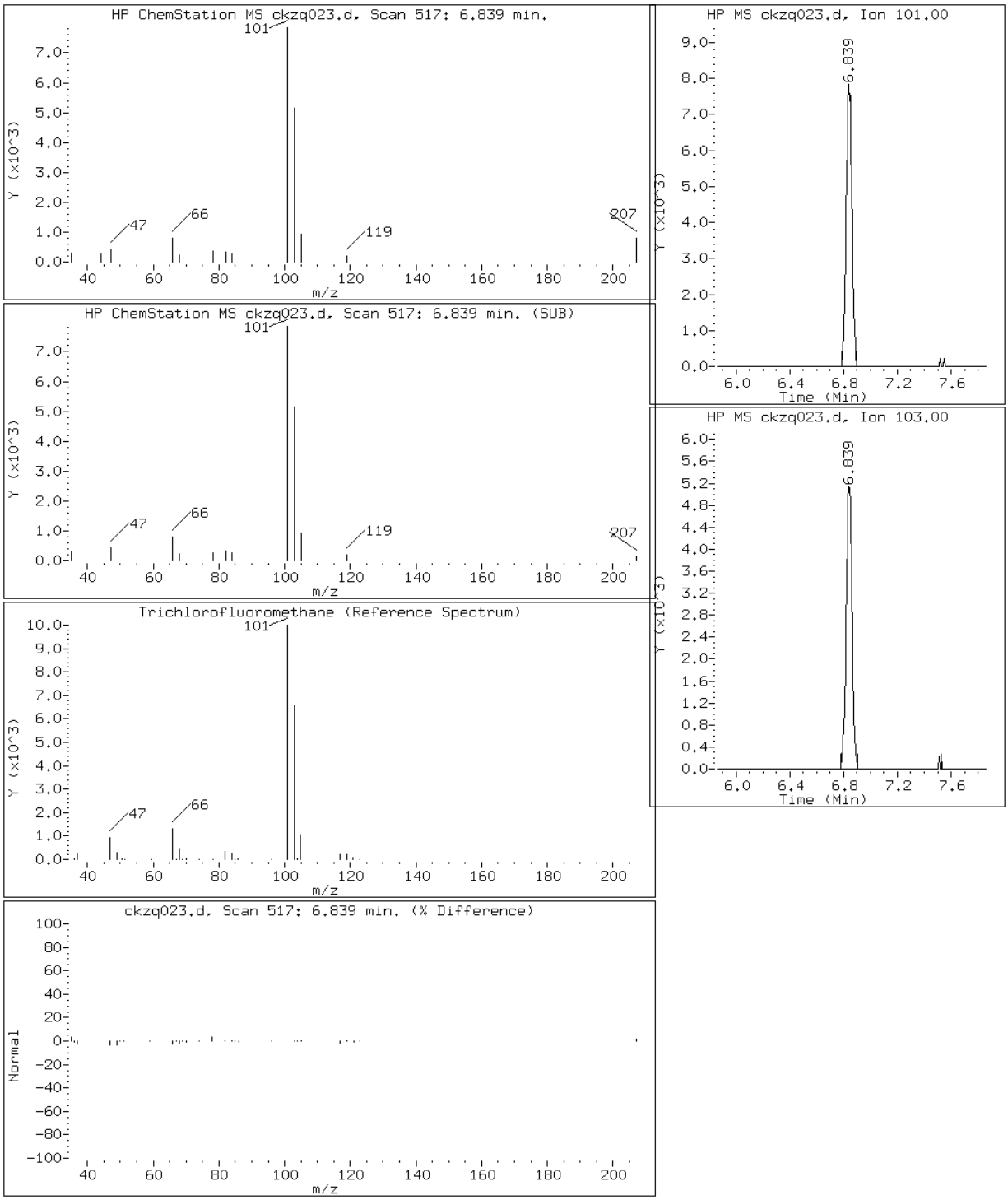
Data File: ckzq023.d

Lab Sample ID: 200-12536-3 Date: 08-SEP-2012 07:44

Client ID: SV-3 Instrument: C.i

Sample Info: 200-12536-A-3 Operator: wrd

13 Trichlorofluoromethane



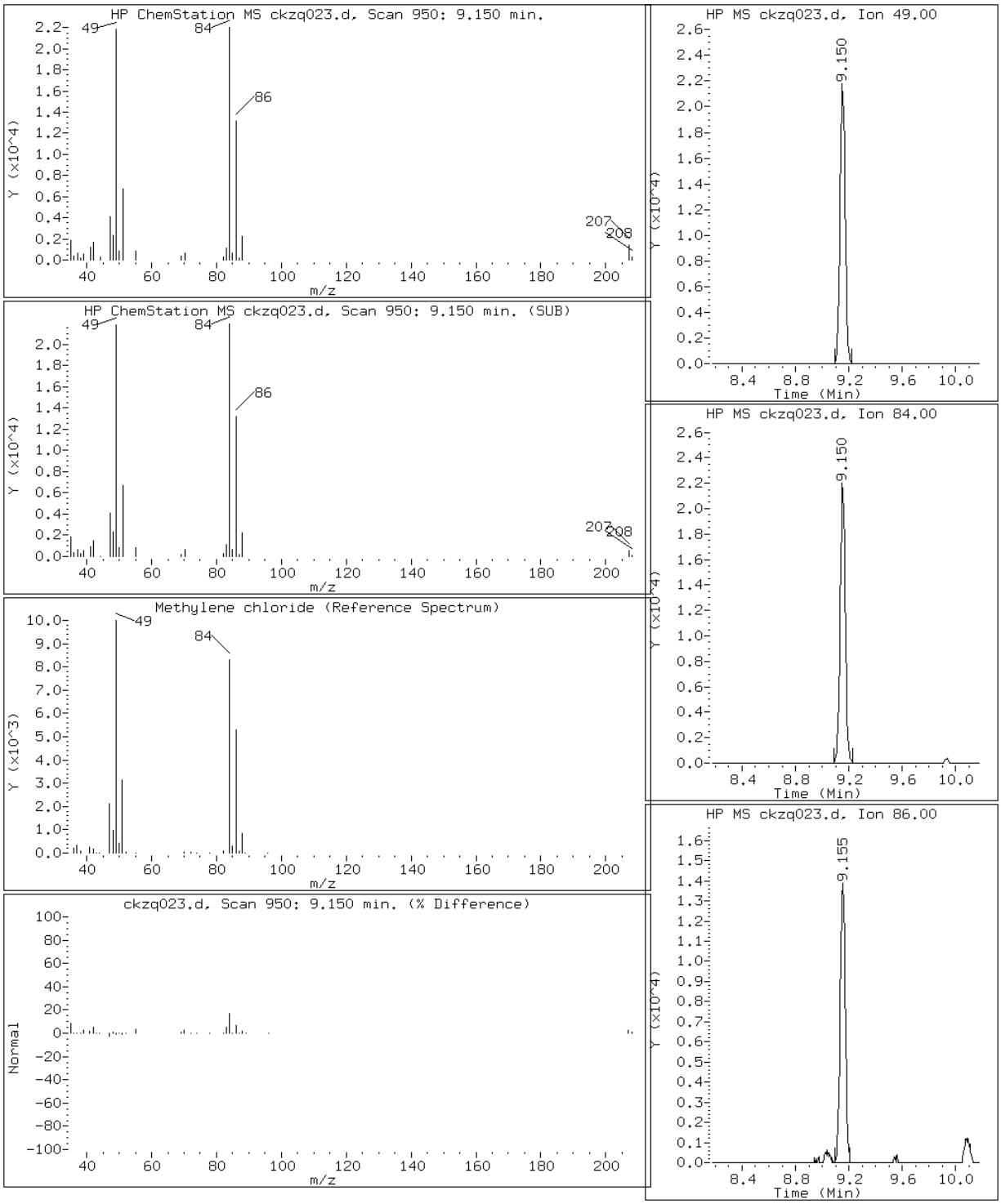
Data File: ckzq023.d

Lab Sample ID: 200-12536-3 Date: 08-SEP-2012 07:44

Client ID: SV-3 Instrument: C.i

Sample Info: 200-12536-A-3 Operator: wrd

25 Methylene chloride



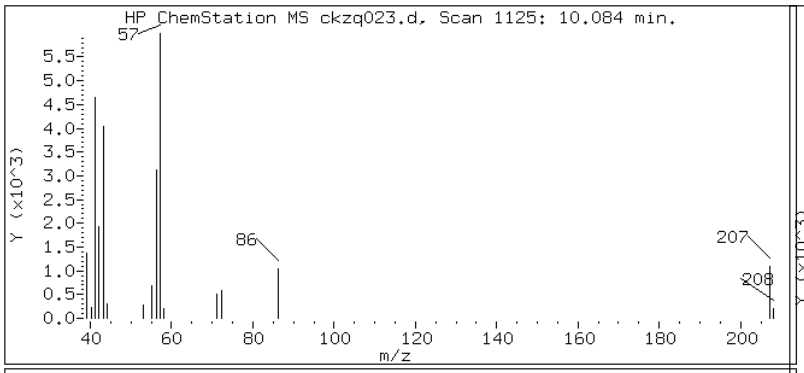
Data File: ckzq023.d

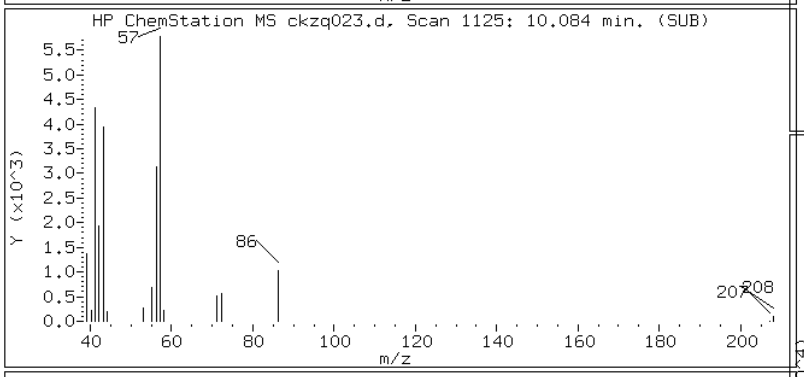
Lab Sample ID: 200-12536-3 Date: 08-SEP-2012 07:44

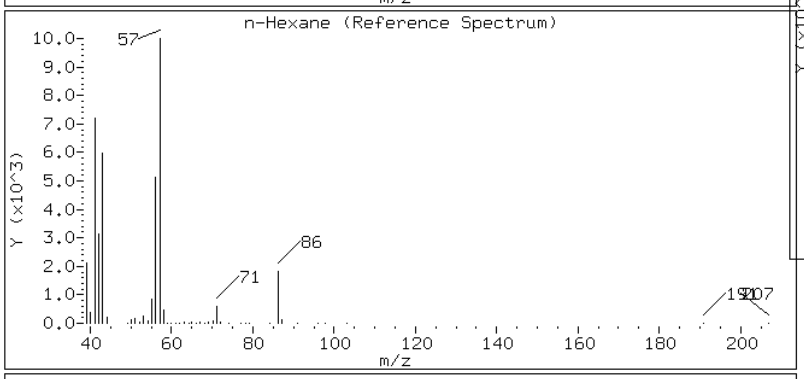
Client ID: SV-3 Instrument: C.i

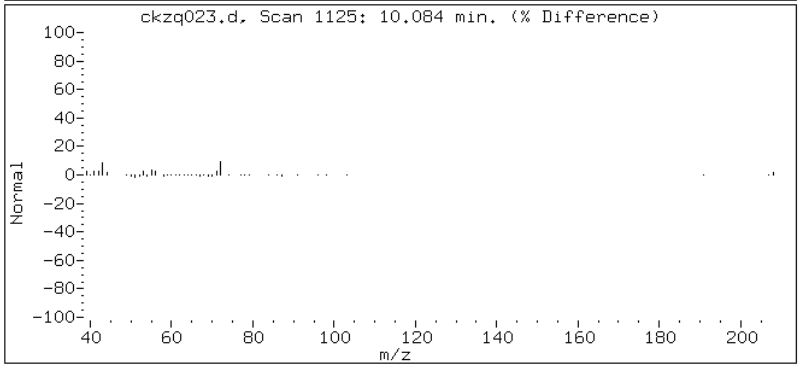
Sample Info: 200-12536-A-3 Operator: wrd

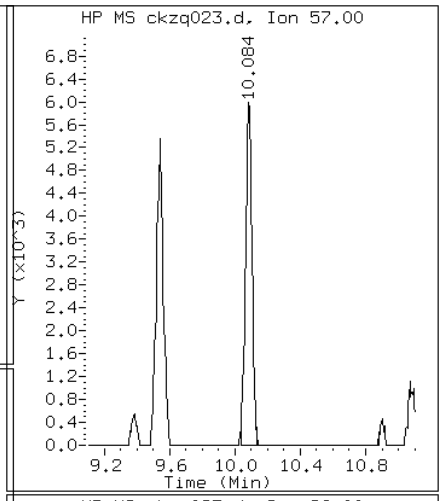
30 n-Hexane

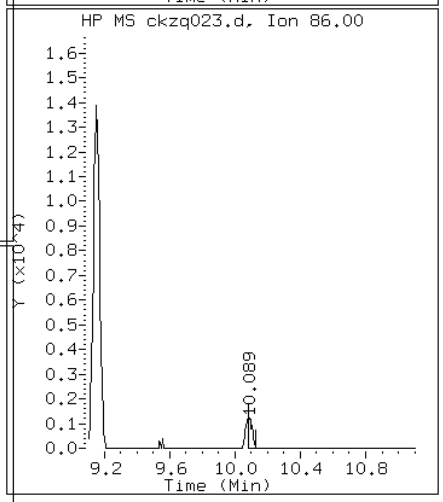












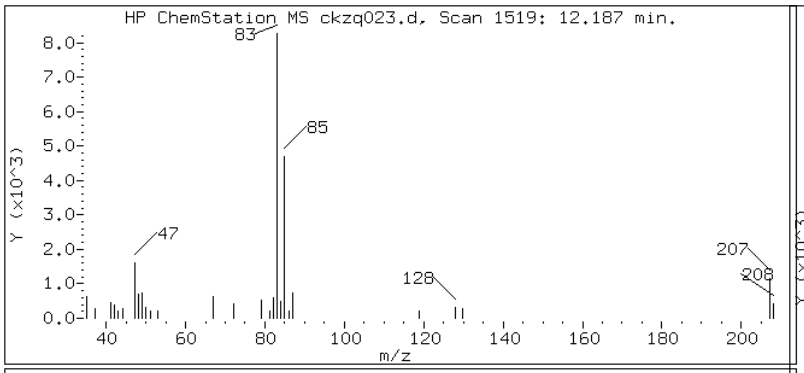
Data File: ckzq023.d

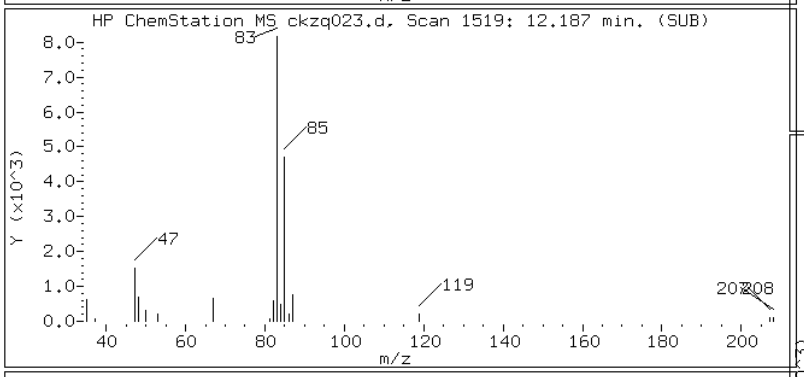
Lab Sample ID: 200-12536-3 Date: 08-SEP-2012 07:44

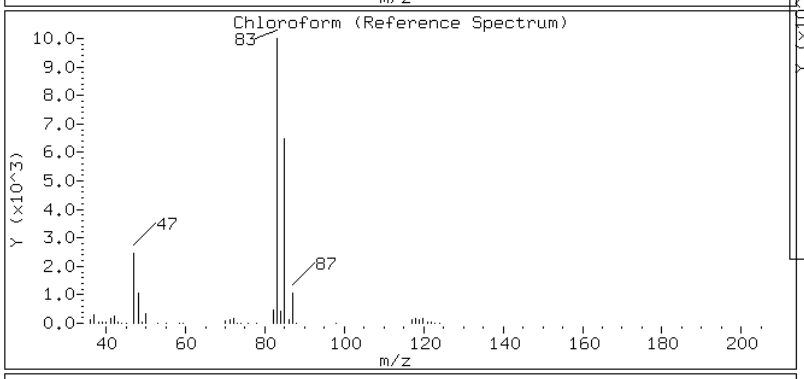
Client ID: SV-3 Instrument: C.i

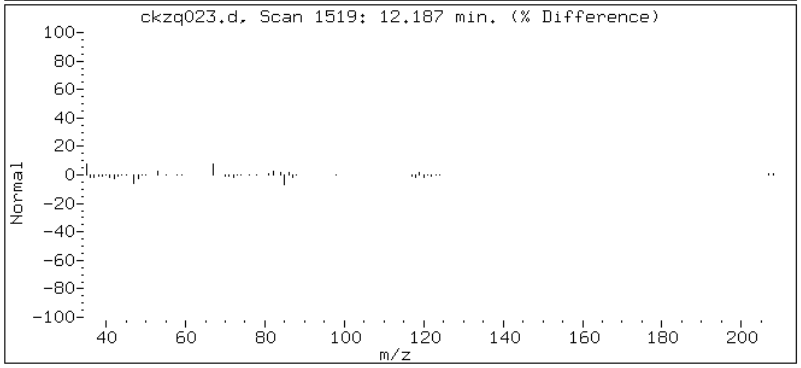
Sample Info: 200-12536-A-3 Operator: wrd

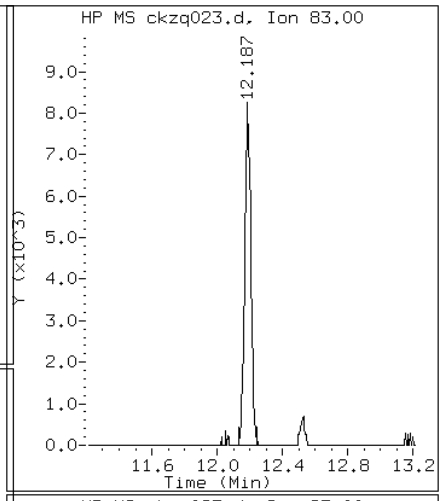
39 Chloroform

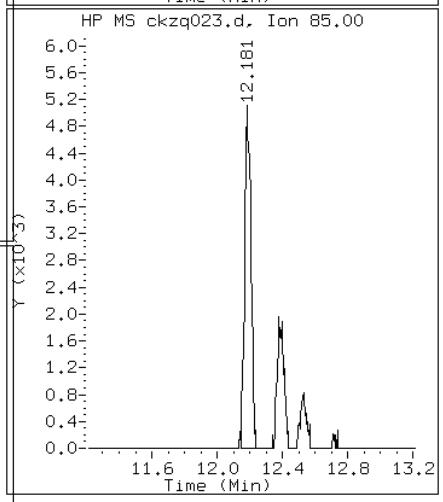












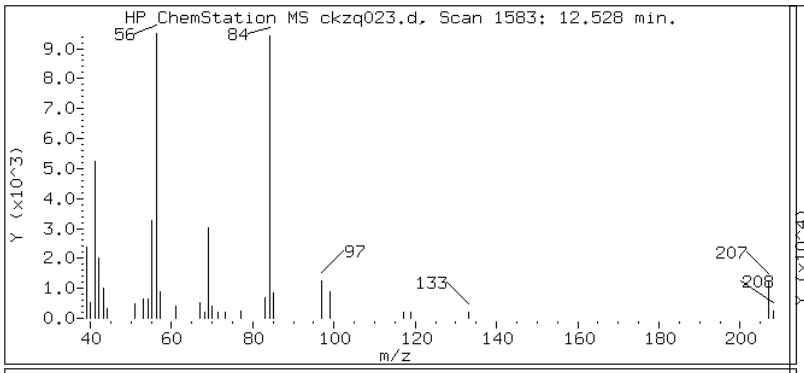
Data File: ckzq023.d

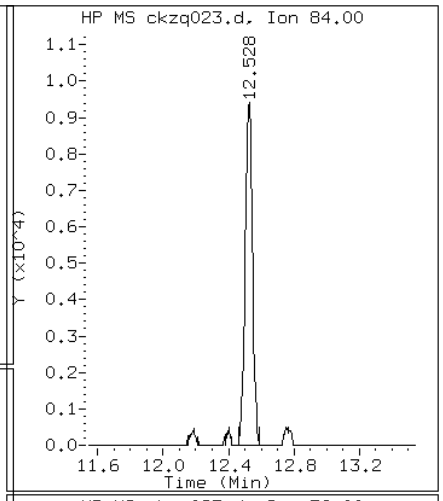
Lab Sample ID: 200-12536-3 Date: 08-SEP-2012 07:44

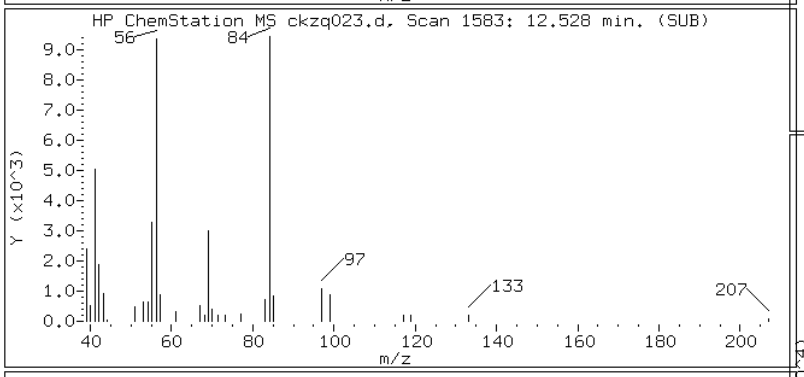
Client ID: SV-3 Instrument: C.i

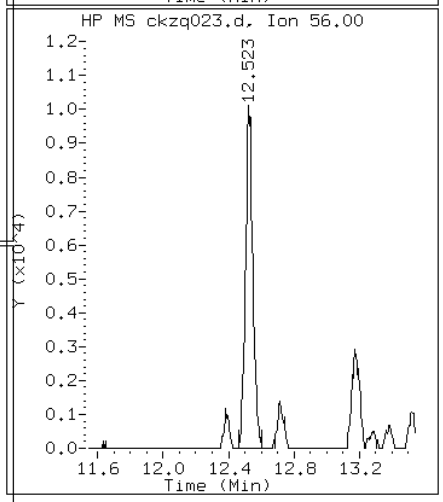
Sample Info: 200-12536-A-3 Operator: wrd

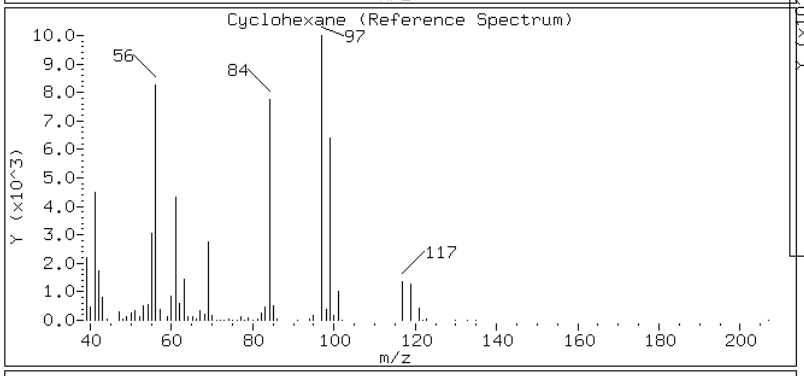
40 Cyclohexane

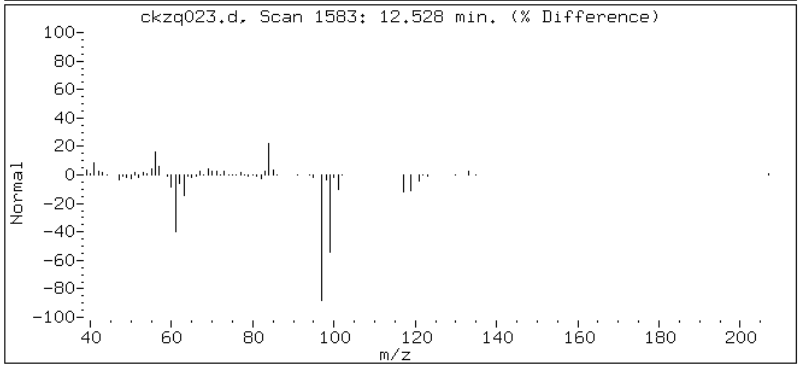












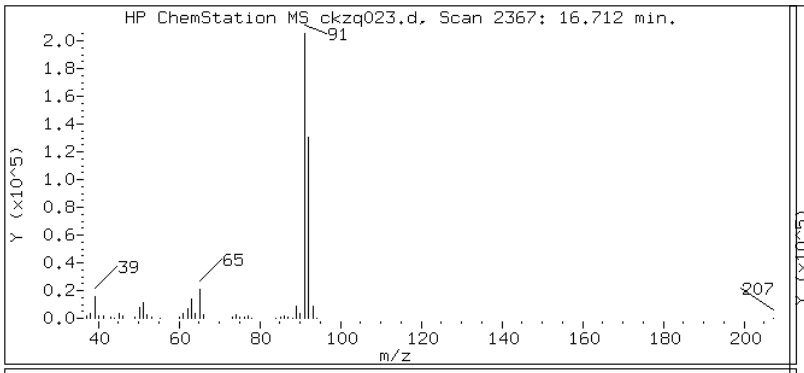
Data File: ckzq023.d

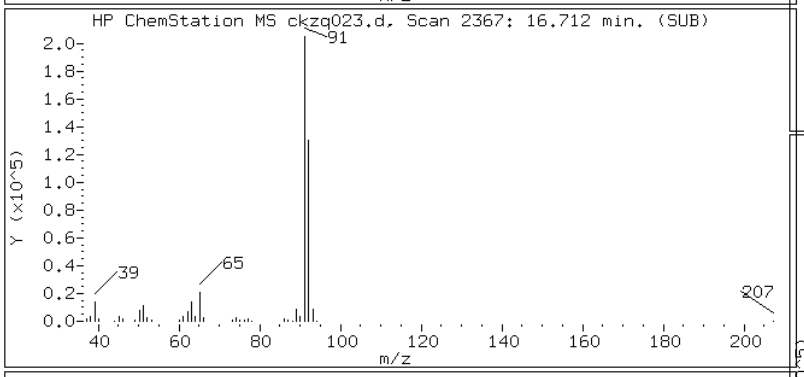
Lab Sample ID: 200-12536-3 Date: 08-SEP-2012 07:44

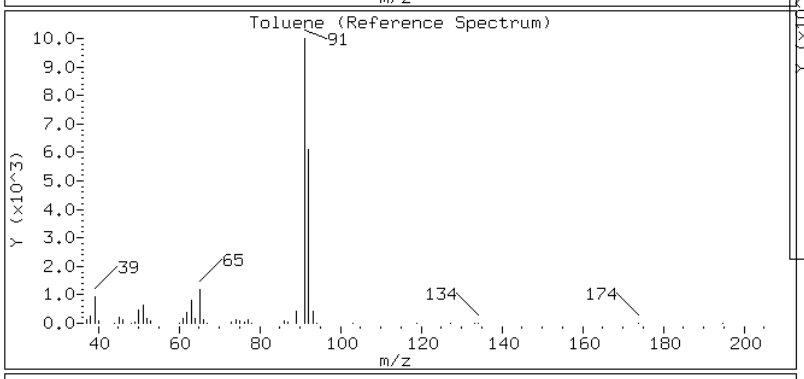
Client ID: SV-3 Instrument: C.i

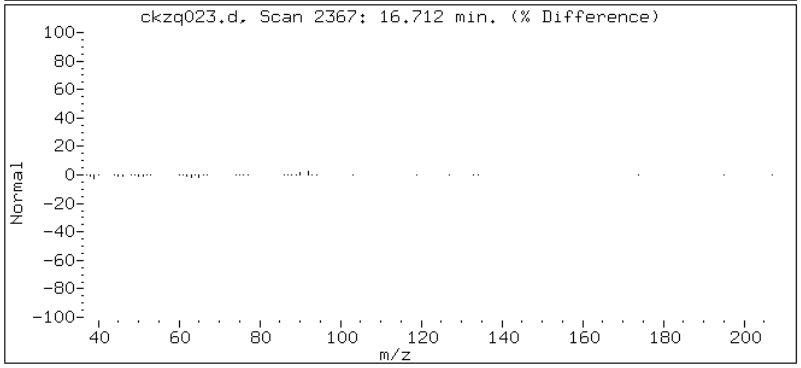
Sample Info: 200-12536-A-3 Operator: wrd

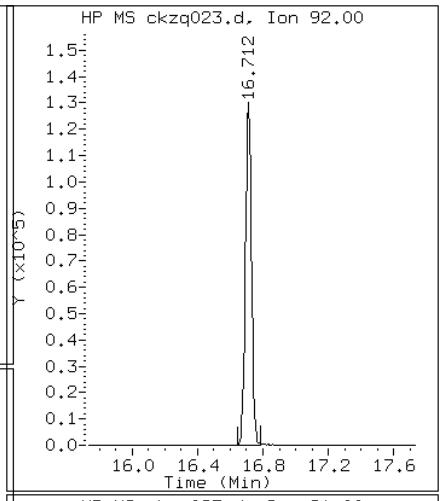
58 Toluene

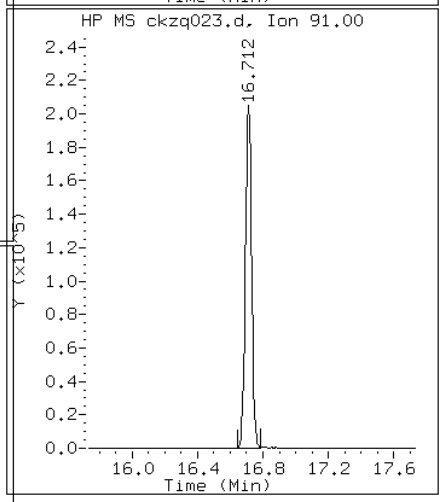












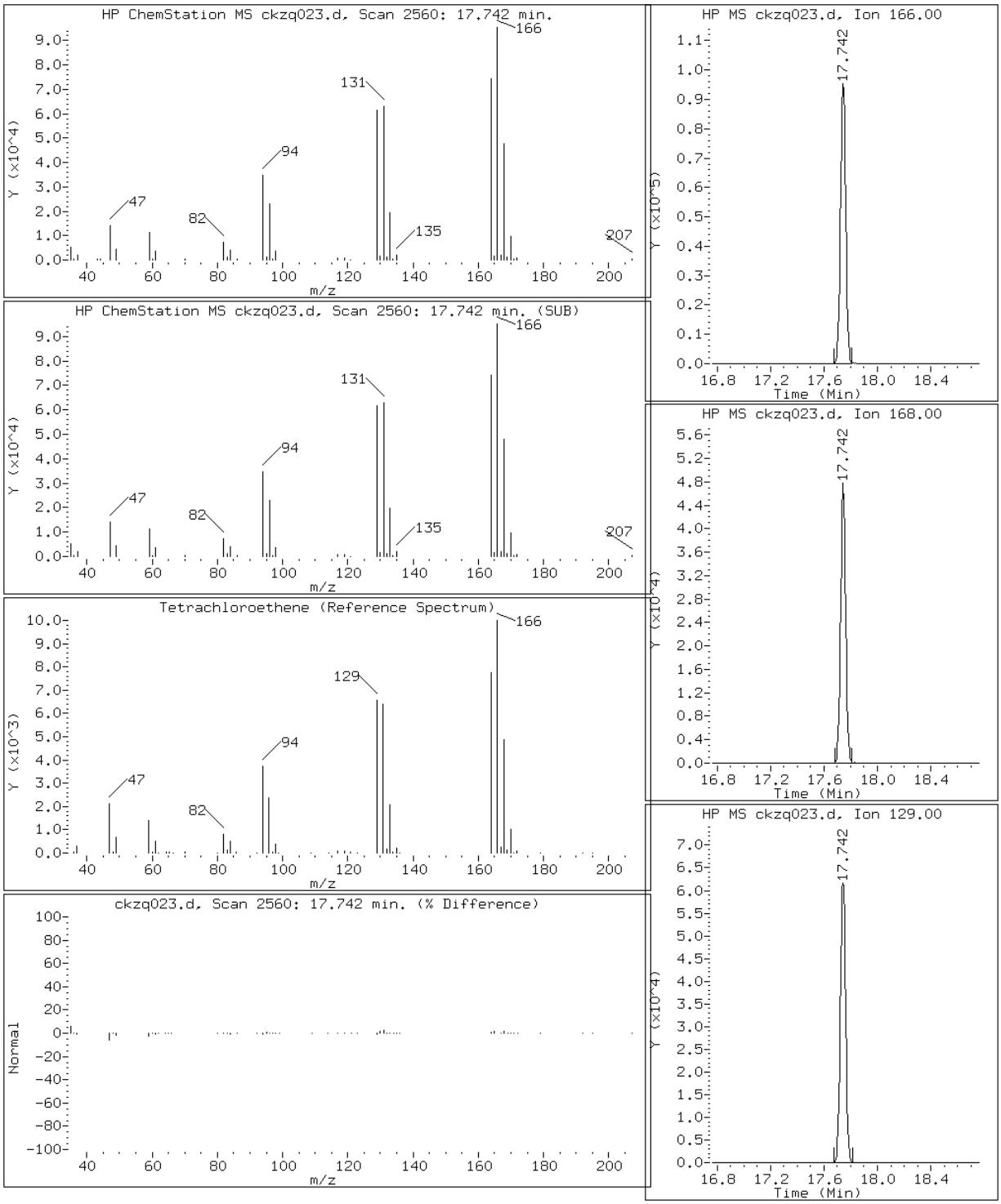
Data File: ckzq023.d

Lab Sample ID: 200-12536-3 Date: 08-SEP-2012 07:44

Client ID: SV-3 Instrument: C.i

Sample Info: 200-12536-A-3 Operator: wrd

61 Tetrachloroethene



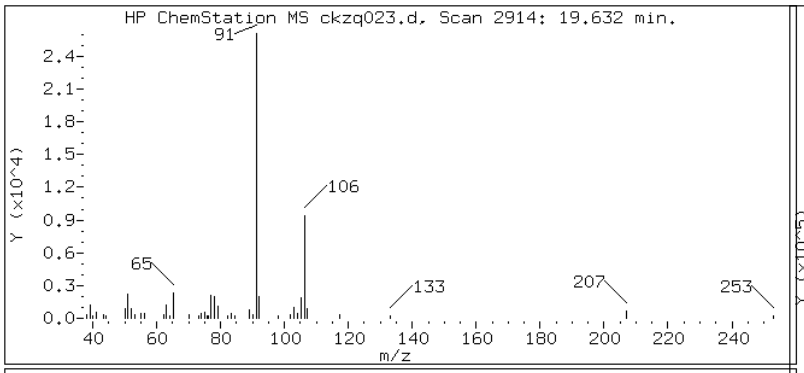
Data File: ckzq023.d

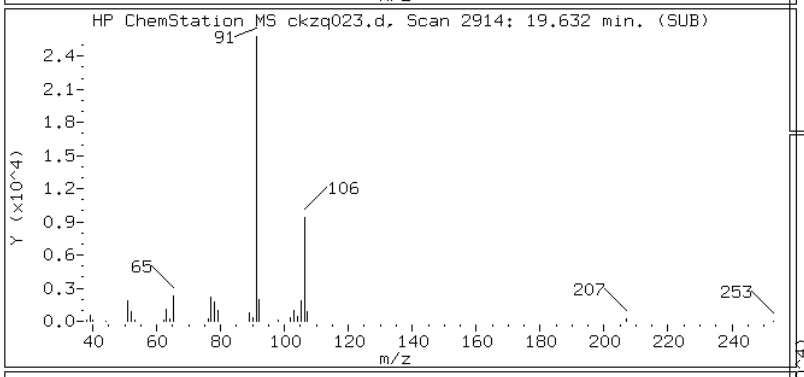
Lab Sample ID: 200-12536-3 Date: 08-SEP-2012 07:44

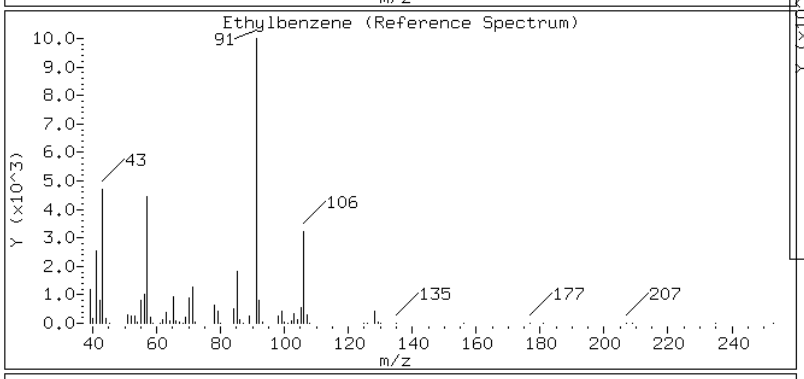
Client ID: SV-3 Instrument: C.i

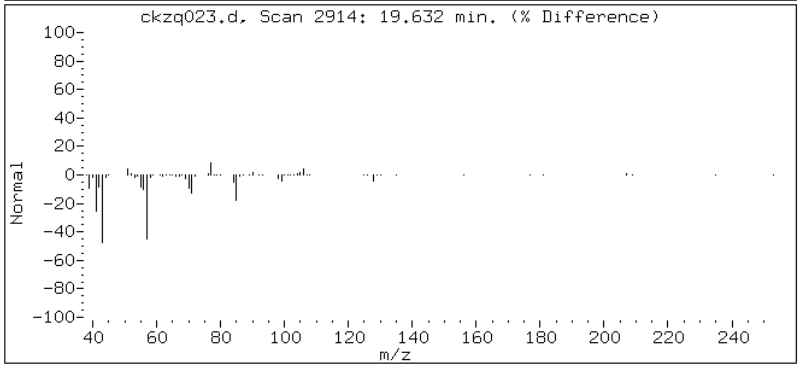
Sample Info: 200-12536-A-3 Operator: wrd

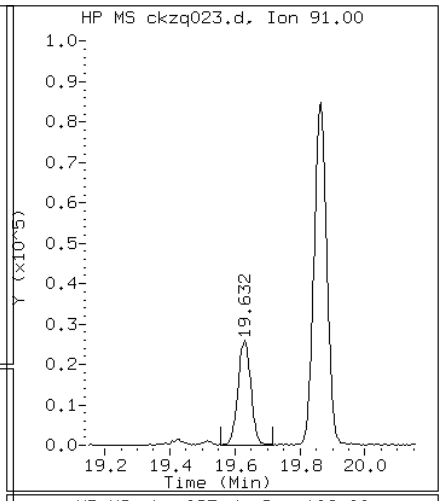
68 Ethylbenzene

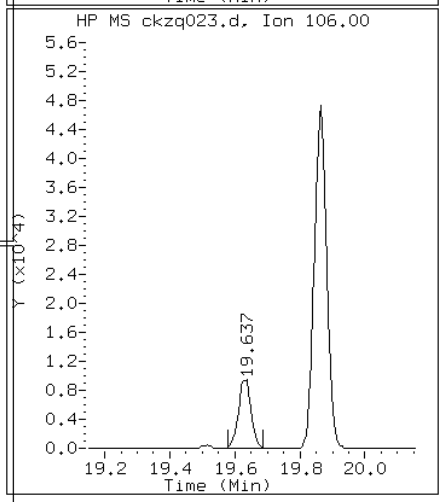












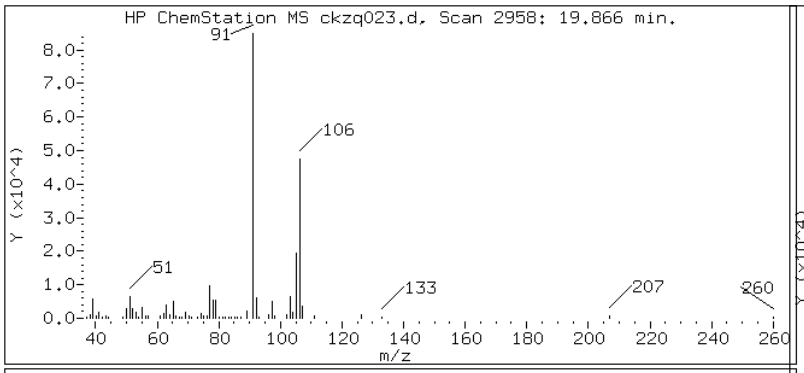
Data File: ckzq023.d

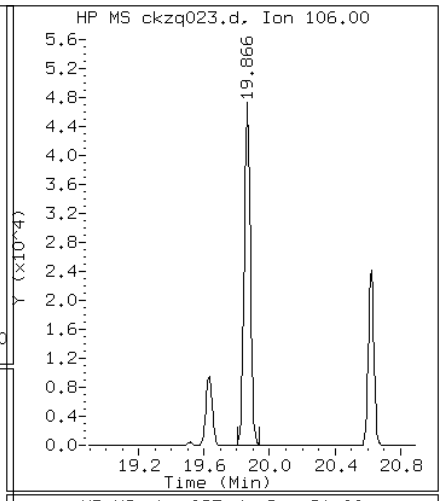
Lab Sample ID: 200-12536-3 Date: 08-SEP-2012 07:44

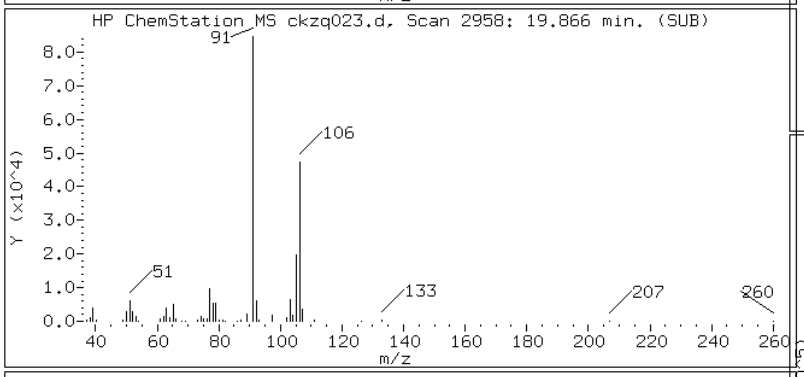
Client ID: SV-3 Instrument: C.i

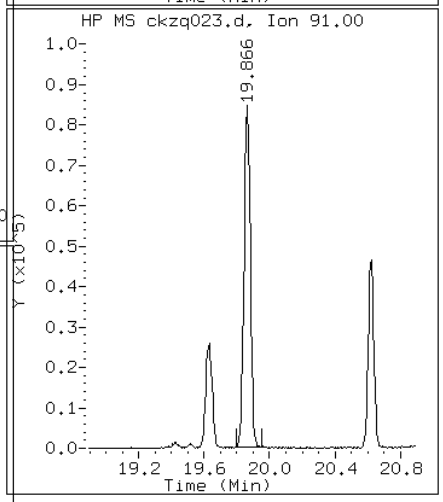
Sample Info: 200-12536-A-3 Operator: wrd

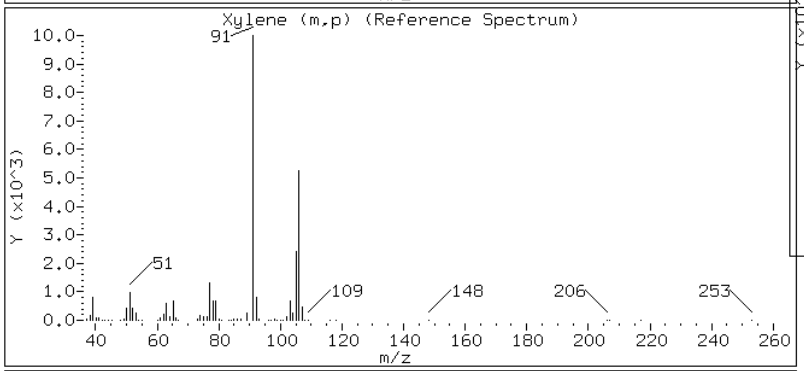
69 Xylene (m,p)

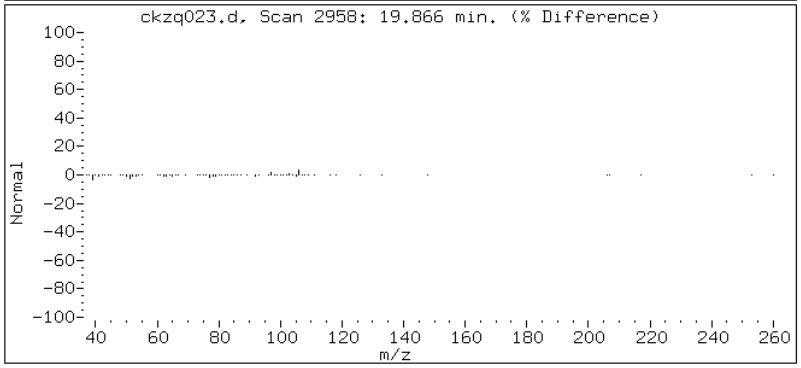












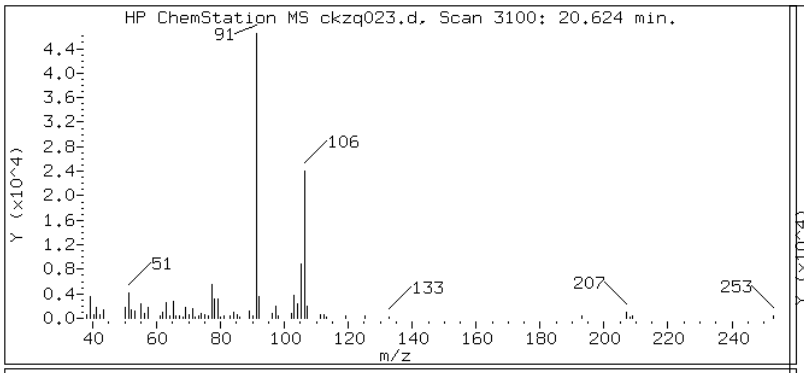
Data File: ckzq023.d

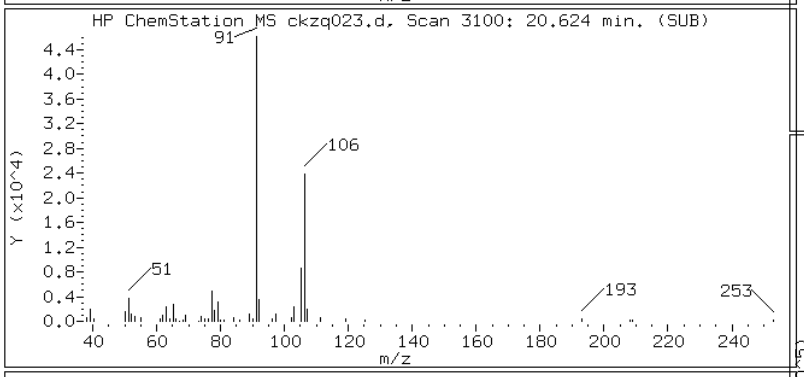
Lab Sample ID: 200-12536-3 Date: 08-SEP-2012 07:44

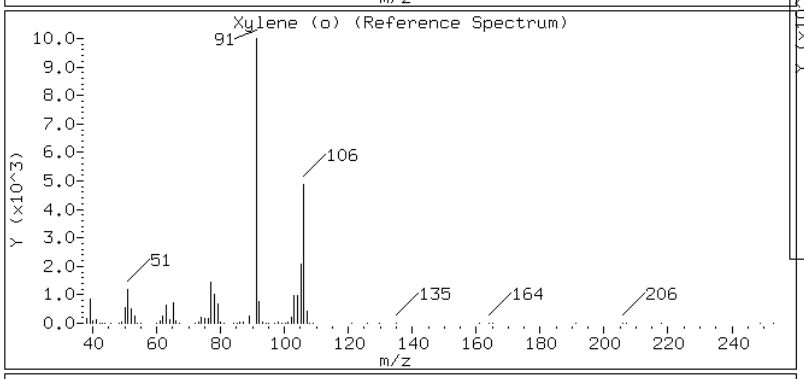
Client ID: SV-3 Instrument: C.i

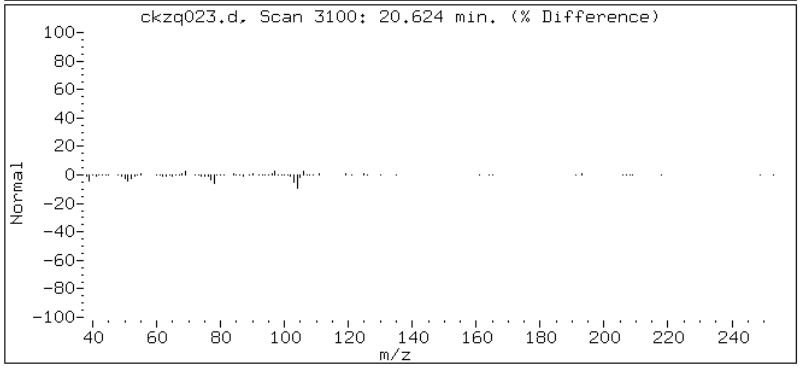
Sample Info: 200-12536-A-3 Operator: wrd

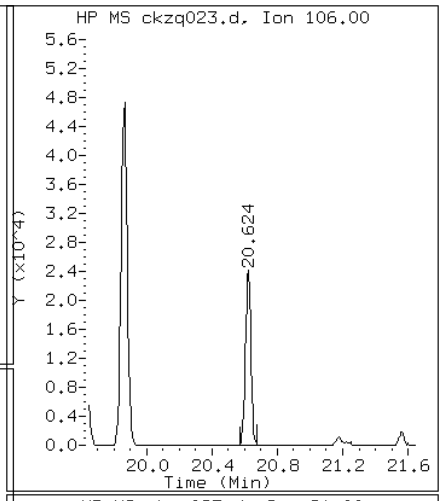
71 Xylene (o)

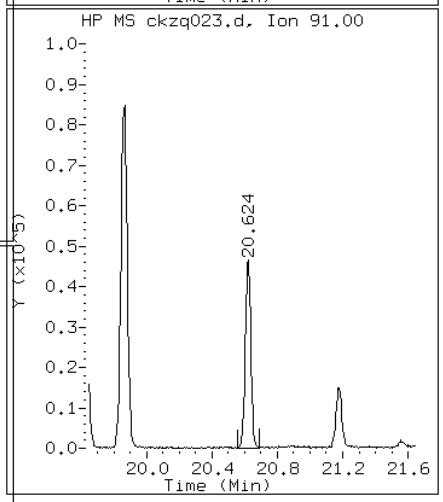












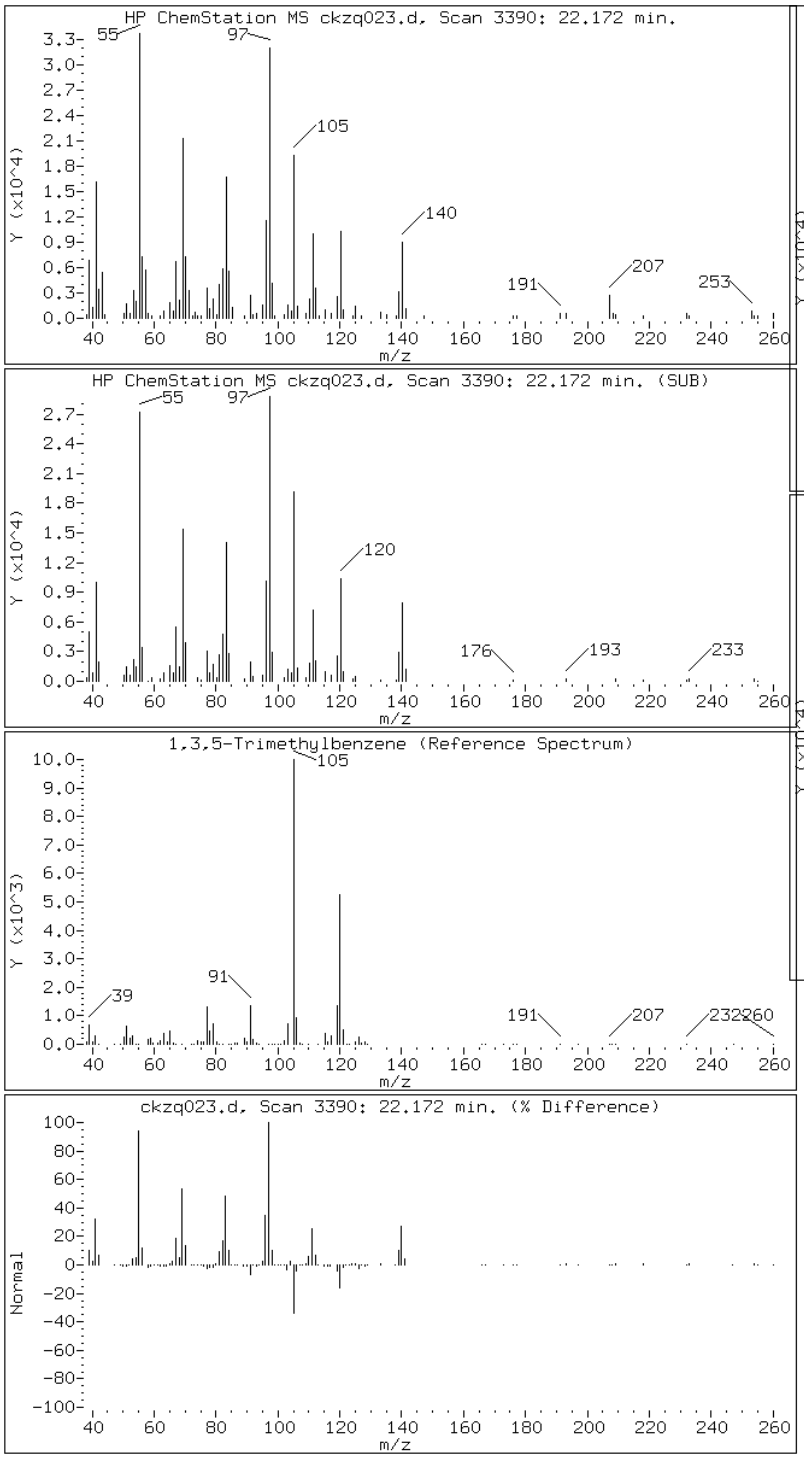
Data File: ckzq023.d

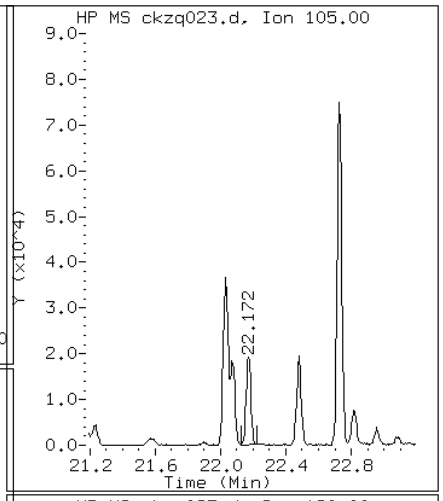
Lab Sample ID: 200-12536-3 Date: 08-SEP-2012 07:44

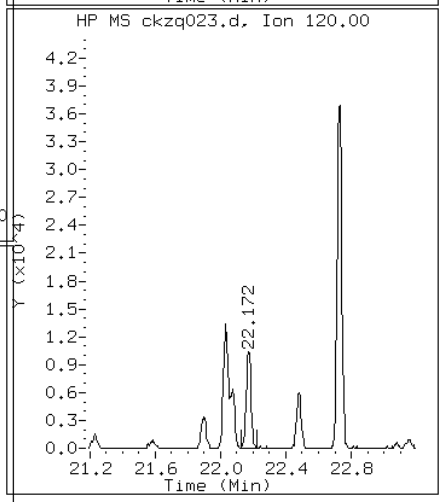
Client ID: SV-3 Instrument: C.i

Sample Info: 200-12536-A-3 Operator: wrd

81 1,3,5-Trimethylbenzene







Manual Integration Report

Data File: ckzq023.d
Lab Sample ID: 200-12536-3
Inj. Date and Time: 08-SEP-2012 07:44
Instrument ID: C.i
Client ID: SV-3
Compound: 43 2,2,4-Trimethylpentane
CAS #: 540-84-1
Report Date: 09/10/2012

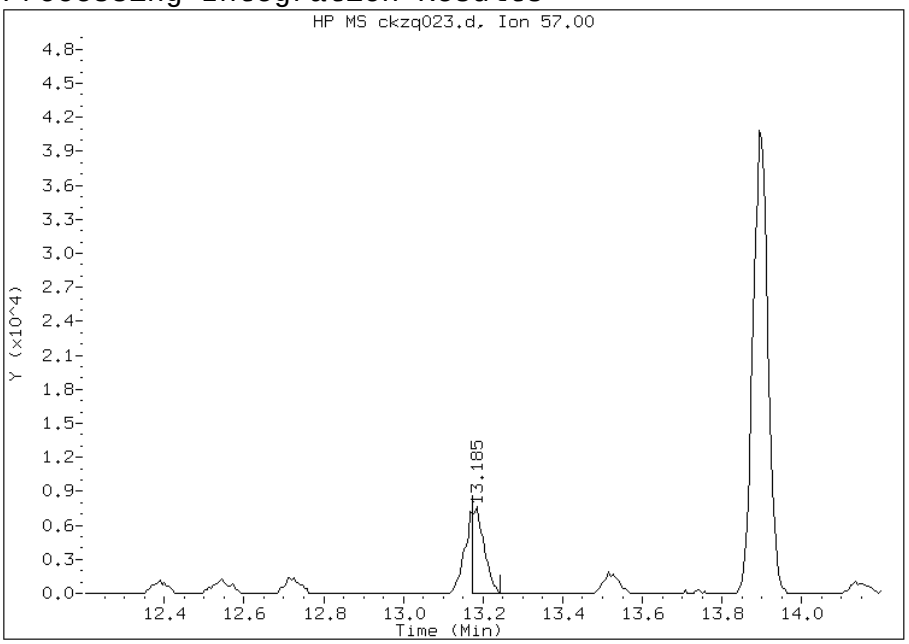
Processing Integration Results

RT: 13.18

Response: 15829

Amount: 0.095229

Conc: 0.095229



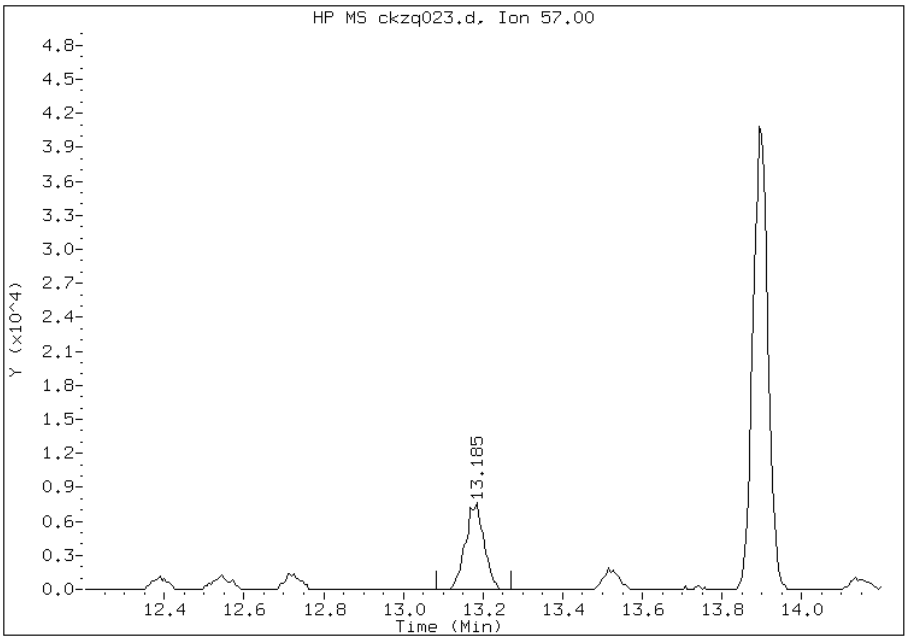
Manual Integration Results

RT: 13.18

Response: 24631

Amount: 0.148183

Conc: 0.148183



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12536-1 Analy Batch No.: 43490

SDG No.: 200-12536-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-43490/3	ic 376683	ckz003.d
Level 2	IC 200-43490/4	ic 376683	ckz004.d
Level 3	IC 200-43490/5	ic 376702	ckz005.d
Level 4	IC 200-43490/6	ic 370619	ckz006.d
Level 5	ICIS 200-43490/15	icis 370604	ckz015.d
Level 6	IC 200-43490/8	ic 370603	ckz008.d
Level 7	IC 200-43490/9	ic 370601	ckz009.d
Level 8	IC 200-43490/10	ic 370600	ckz010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.6295	+++++ 0.5874	0.7402 0.5409	0.7173	0.6751	Ave		0.6484				11.8		30.0			
Dichlorodifluoromethane	+++++ 2.6990	+++++ 2.5969	3.0739 2.4542	2.9563	2.6940	Ave		2.7457				8.4		30.0			
Freon 22	+++++ 1.3440	+++++ 1.2570	1.6383 1.1785	1.5074	1.3768	Ave		1.3837				12.1		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.7953	3.0326 2.6891	2.8534 2.5507	2.9152	2.7473	Ave		2.7977				5.6		30.0			
Chloromethane	+++++ 0.7464	+++++ 0.7035	0.8814 0.6607	0.8254	0.7767	Ave		0.7657				10.5		30.0			
n-Butane	+++++ 1.3441	+++++ 1.2436	1.4925 1.1536	1.4833	1.4088	Ave		1.3543				10.0		30.0			
1,3-Butadiene	+++++ 0.6853	0.7256 0.6504	0.7225 0.6123	0.7244	0.6932	Ave		0.6877				6.3		30.0			
Acrolein	+++++ 0.2971	+++++ 0.2805	+++++ 0.2615	0.2879	0.2873	Ave		0.2829				4.7		30.0			
Vinyl chloride	1.0102 0.9389	1.0270 0.8943	0.9551 0.8450	0.9878	0.9461	Ave		0.9506				6.3		30.0			
Bromomethane	+++++ 0.9116	0.9619 0.9068	0.9221 0.8611	0.9265	0.9057	Ave		0.9137				3.3		30.0			
Chloroethane	+++++ 0.4839	+++++ 0.4636	0.4834 0.4416	0.5044	0.4835	Ave		0.4767				4.5		30.0			
Isopentane	+++++ 0.9958	1.1459 0.9497	1.1259 0.8853	1.1009	1.0165	Ave		1.0314				9.4		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.9780	1.0397 0.9713	0.9656 0.9395	0.9718	0.9601	Ave		0.9751				3.2		30.0			
Trichlorofluoromethane	+++++ 2.8528	3.1272 2.7322	3.1002 2.6033	3.0854	2.7689	Ave		2.8957				7.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12536-1 Analy Batch No.: 43490

SDG No.: 200-12536-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Pentane	+++++ 1.5774	+++++ 1.4922	1.6768 1.3928	1.6987	1.6075	Ave		1.5742				7.3		30.0			
Ethanol	+++++ 0.2349	+++++ 0.2316	0.2485 0.2026	0.2536	0.2352	Ave		0.2344				7.6		30.0			
Ethyl ether	+++++ 0.6185	0.6091 0.5900	0.6031 0.5425	0.6261	0.6064	Ave		0.5994				4.6		30.0			
Freon TF	+++++ 1.9955	2.1282 1.9539	2.1940 1.8839	2.0570	1.9605	Ave		2.0247				5.3		30.0			
tert-Butyl alcohol	+++++ 1.1778	+++++ 1.1068	+++++ 1.0645	1.3202	1.2143	Ave		1.1767				8.4		30.0			
1,1-Dichloroethene	+++++ 0.9453	1.0305 0.9249	0.9672 0.9063	0.9532	0.9286	Ave		0.9508				4.2		30.0			
Acetone	+++++ 1.1122	+++++ 1.0173	+++++ 0.9194	1.2438	1.2129	Ave		1.1011				12.3		30.0			
Carbon disulfide	+++++ 2.6871	+++++ 2.6462	2.6890 2.5684	2.7553	2.6692	Ave		2.6692				2.3		30.0			
Isopropyl alcohol	+++++ 0.7860	+++++ 0.7474	+++++ 0.6592	0.8805	0.7949	Ave		0.7736				10.4		30.0			
3-Chloropropene	+++++ 1.1328	1.2061 1.0721	1.1458 1.0169	1.1852	1.1160	Ave		1.1250				5.8		30.0			
Acetonitrile	+++++ 0.4931	+++++ 0.4128	+++++ 0.4198	0.4870	0.4530	Ave		0.4531				8.2		30.0			
Methylene Chloride	+++++ 0.9029	+++++ 0.8597	1.1583 0.8039	0.9990	0.9121	Ave		0.9393				13.3		30.0			
Methyl tert-butyl ether	+++++ 2.7062	2.7875 2.5808	2.7311 2.4088	2.7209	2.5927	Ave		2.6468				4.9		30.0			
trans-1,2-Dichloroethene	+++++ 1.4050	1.4665 1.3364	1.4347 1.2690	1.5032	1.3799	Ave		1.3992				5.7		30.0			
Acrylonitrile	+++++ 0.5646	+++++ 0.5362	0.5065 0.5142	0.5690	0.5509	Ave		0.5402				4.8		30.0			
Ethyl acetate	+++++ 0.0857	+++++ 0.0841	+++++ 0.0804	0.0829	0.0808	Ave		0.0828				2.7		30.0			
n-Hexane	+++++ 1.5099	1.6008 1.4542	1.5311 1.3839	1.5967	1.5169	Ave		1.5134				5.1		30.0			
1,1-Dichloroethane	+++++ 1.7734	1.9531 1.7040	1.8624 1.6262	1.9013	1.7708	Ave		1.7987				6.4		30.0			
Vinyl acetate	+++++ 1.9832	+++++ 1.8707	+++++ 1.7205	1.9754	1.9144	Ave		1.8928				5.6		30.0			
cis-1,2-Dichloroethene	+++++ 1.0870	1.2717 1.0750	1.1730 1.0427	1.1081	1.0766	Ave		1.1192				7.0		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12536-1 Analy Batch No.: 43490

SDG No.: 200-12536-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Methyl Ethyl Ketone	+++++ 0.4322	+++++ 0.4192	0.4298 0.3859	0.4274	0.4157	Ave		0.4184				4.1		30.0			
Tetrahydrofuran	+++++ 0.1606	+++++ 0.1518	+++++ 0.1529	0.1659	0.1549	Ave		0.1572				3.8		30.0			
Chloroform	+++++ 2.2140	2.3865 2.1319	2.3238 2.0362	2.3519	2.1930	Ave		2.2339				5.7		30.0			
1,1,1-Trichloroethane	+++++ 0.4499	0.4704 0.4352	0.4665 0.4611	0.4759	0.4363	Ave		0.4565				3.6		30.0			
Cyclohexane	+++++ 0.2802	0.2903 0.2756	0.2698 0.2948	0.2807	0.2720	Ave		0.2805				3.3		30.0			
Benzene	+++++ 0.5802	0.6433 0.5730	0.5902 0.6008	0.5895	0.5688	Ave		0.5923				4.2		30.0			
2,2,4-Trimethylpentane	+++++ 0.8737	0.9119 0.8496	0.8673 0.8870	0.9116	0.8732	Ave		0.8821				2.6		30.0			
1,2-Dichloroethane	+++++ 0.2617	0.2786 0.2500	0.2746 0.2581	0.2845	0.2573	Ave		0.2664				4.8		30.0			
n-Heptane	+++++ 0.3082	0.3322 0.2952	0.3226 0.3039	0.3325	0.3119	Ave		0.3152				4.5		30.0			
n-Butanol	+++++ 0.0546	+++++ 0.0544	+++++ 0.0619	0.0604	0.0580	Ave		0.0579				5.8		30.0			
Carbon tetrachloride	0.5151 0.4828	0.4602 0.4675	0.4634 0.5042	0.5007	0.4614	Ave		0.4819				4.6		30.0			
1,2-Dichloropropane	+++++ 0.1966	0.2083 0.1933	0.1892 0.1958	0.2037	0.1917	Ave		0.1969				3.4		30.0			
Methyl methacrylate	+++++ 0.1803	+++++ 0.1783	0.1331 0.1864	0.1644	0.1664	Ave		0.1681				11.4		30.0			
1,4-Dioxane	+++++ 0.0712	+++++ 0.0699	+++++ 0.0667	0.0745	0.0684	Ave		0.0702				4.3		30.0			
Dibromomethane	+++++ 0.2615	0.2443 0.2624	0.2296 0.2869	0.2527	0.2476	Ave		0.2550				7.0		30.0			
Bromodichloromethane	+++++ 0.4495	0.4062 0.4369	0.4072 0.4516	0.4639	0.4358	Ave		0.4359				5.1		30.0			
cis-1,3-Dichloropropene	+++++ 0.3324	0.3100 0.3254	0.3061 0.3372	0.3336	0.3202	Ave		0.3236				3.7		30.0			
Methyl isobutyl ketone	+++++ 0.2985	+++++ 0.2797	0.2594 0.2847	0.2942	0.2613	Ave		0.2796				5.9		30.0			
Trichloroethene	0.2875 0.2737	0.2880 0.2723	0.2663 0.2930	0.2792	0.2700	Ave		0.2787				3.5		30.0			
Toluene	+++++ 0.4835	0.4815 0.4825	0.4540 0.4965	0.4943	0.4634	Ave		0.4794				3.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12536-1 Analy Batch No.: 43490

SDG No.: 200-12536-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.4230	0.4381 0.4028	0.4328 0.4014	0.4562	0.4227	Ave		0.4253				4.6		30.0			
trans-1,3-Dichloropropene	+++++ 0.3369	0.3008 0.3272	0.2874 0.3415	0.3314	0.3197	Ave		0.3207				6.2		30.0			
1,1,2-Trichloroethane	+++++ 0.2181	0.2203 0.2156	0.2095 0.2188	0.2245	0.2072	Ave		0.2163				2.8		30.0			
Tetrachloroethene	+++++ 0.4576	0.4531 0.4611	0.4152 0.4946	0.4561	0.4262	Ave		0.4520				5.7		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2980	+++++ 0.2840	0.2417 0.2949	0.2986	0.2583	Ave		0.2793				8.5		30.0			
Dibromochloromethane	+++++ 0.5178	0.3838 0.5183	0.3915 0.5408	0.5062	0.4712	Ave		0.4757				13.4		30.0			
1,2-Dibromoethane	+++++ 0.4414	0.3774 0.4387	0.3681 0.4527	0.4415	0.4088	Ave		0.4184				8.1		30.0			
Chlorobenzene	+++++ 0.7086	0.6912 0.7037	0.6536 0.7341	0.7082	0.6592	Ave		0.6941				4.1		30.0			
Ethylbenzene	+++++ 1.0414	0.9953 1.0249	0.9260 1.0839	1.0198	0.9674	Ave		1.0084				5.1		30.0			
n-Nonane	+++++ 0.4527	0.4381 0.4333	0.4084 0.4449	0.4659	0.4292	Ave		0.4389				4.2		30.0			
m,p-Xylene	+++++ 0.4453	0.3947 0.4335	0.3717 0.4599	0.4270	0.4087	Ave		0.4201				7.2		30.0			
Xylene, o-	+++++ 0.4315	0.3697 0.4221	0.3672 0.4420	0.4158	0.3987	Ave		0.4067				7.2		30.0			
Styrene	+++++ 0.6545	0.4186 0.6503	0.4137 0.7079	0.5892	0.5921	Ave		0.5752				20.2		30.0			
Bromoform	+++++ 0.5234	0.3362 0.5184	0.3369 0.5577	0.4886	0.4670	Ave		0.4612				19.5		30.0			
Cumene	+++++ 1.2449	1.0564 1.2187	1.0303 1.3045	1.1942	1.1407	Ave		1.1699				8.5		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5594	0.4939 0.5417	0.4842 0.5651	0.5497	0.5110	Ave		0.5293				6.2		30.0			
1,2,3-Trichloropropane	+++++ 0.4464	+++++ 0.4251	0.3994 0.4337	0.4504	0.4130	Ave		0.4280				4.6		30.0			
n-Propylbenzene	+++++ 1.4270	1.0943 1.3800	1.1149 1.4648	1.3660	1.3033	Ave		1.3072				11.3		30.0			
4-Ethyltoluene	+++++ 1.2731	0.8881 1.2219	0.9346 1.2697	1.1957	1.1452	Ave		1.1326				13.9		30.0			
n-Decane	+++++ 0.5415	+++++ 0.4921	0.4309 0.4565	0.5550	0.5122	Ave		0.4980				9.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12536-1 Analy Batch No.: 43490

SDG No.: 200-12536-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	+++++ 1.0237	0.9527 0.9776	0.8777 0.9916	1.0255	0.9416	Ave		0.9700				5.3		30.0			
1,3,5-Trimethylbenzene	+++++ 1.0725	0.8271 1.0376	0.8267 1.1237	1.0221	0.9668	Ave		0.9824				11.8		30.0			
Alpha Methyl Styrene	+++++ 0.5424	0.2741 0.5371	0.2919 0.5934	0.4862	0.4835	Ave		0.4584				27.4		30.0			
tert-Butylbenzene	+++++ 1.0660	0.8471 1.0342	0.8697 1.1094	1.0242	0.9632	Ave		0.9877				10.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.0623	0.7512 1.0193	0.7523 1.1125	1.0052	0.9499	Ave		0.9504				15.2		30.0			
sec-Butylbenzene	+++++ 1.5249	1.1189 1.4757	1.1564 1.5976	1.4642	1.3776	Ave		1.3879				13.2		30.0			
4-Isopropyltoluene	+++++ 1.3417	0.8530 1.2959	0.9130 1.4136	1.2477	1.1837	Ave		1.1784				18.2		30.0			
1,3-Dichlorobenzene	+++++ 0.7348	0.5588 0.7132	0.5407 0.8024	0.6860	0.6499	Ave		0.6694				14.1		30.0			
1,4-Dichlorobenzene	+++++ 0.7123	0.5378 0.6954	0.5185 0.7879	0.6573	0.6287	Ave		0.6483				14.8		30.0			
Benzyl chloride	+++++ 0.8213	0.5097 0.7993	0.4763 0.9010	0.7128	0.7009	Ave		0.7030				22.6		30.0			
n-Butylbenzene	+++++ 1.0531	0.5909 0.9990	0.6111 1.0906	0.9419	0.9124	Ave		0.8856				23.0		30.0			
n-Undecane	+++++ 0.5151	+++++ 0.4433	+++++ 0.5222	0.4232	0.4044	Ave		0.4617				11.7		30.0			
1,2-Dichlorobenzene	+++++ 0.6881	0.5127 0.6634	0.5013 0.7433	0.6447	0.6044	Ave		0.6226				14.4		30.0			
n-Dodecane	+++++ 0.2706	+++++ 0.2045	+++++ 0.3015	0.2987	0.2448	Ave		0.2640				15.3		30.0			
1,2,4-Trichlorobenzene	+++++ 0.2947	+++++ 0.2692	0.2232 0.3580	0.2901	0.2335	Ave		0.2781				17.5		30.0			
Hexachlorobutadiene	+++++ 0.4011	0.2962 0.3751	0.2901 0.4087	0.3822	0.3391	Ave		0.3561				13.6		30.0			
Naphthalene	+++++ 0.5959	+++++ 0.5080	0.4051 0.7434	0.5750	0.4881	Ave		0.5526				20.9		30.0			
1,2,3-Trichlorobenzene	+++++ 0.2299	0.1800 0.2069	0.1848 0.2710	0.2348	0.1940	Ave		0.2145				15.2		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12536-1 Analy Batch No.: 43490

SDG No.: 200-12536-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-43490/3	ckz003.d
Level 2	IC 200-43490/4	ckz004.d
Level 3	IC 200-43490/5	ckz005.d
Level 4	IC 200-43490/6	ckz006.d
Level 5	ICIS 200-43490/15	ckz015.d
Level 6	IC 200-43490/8	ckz008.d
Level 7	IC 200-43490/9	ckz009.d
Level 8	IC 200-43490/10	ckz010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 393566	+++++ 536817	13040 1063874	127364	283059	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	+++++ 1687394	+++++ 2373061	54156 4827325	524916	1129574	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	+++++ 840224	+++++ 1148663	28864 2318035	267662	577311	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1747564	22087 2457381	50270 5017164	517629	1151940	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	+++++ 466665	+++++ 642841	15529 1299651	146550	325650	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	+++++ 840295	+++++ 1136393	26294 2269233	263379	590701	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	+++++ 428417	5285 594316	12729 1204410	128623	290672	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	+++++ 185751	+++++ 256344	+++++ 514321	51122	120447	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1524 586988	7480 817235	16827 1662035	175401	396687	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	+++++ 569942	7006 828656	16245 1693799	164502	379780	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	+++++ 302553	+++++ 423646	8516 868559	89570	202738	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	+++++ 622540	8346 867881	19836 1741356	195472	426219	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 611435	7572 887634	17011 1848007	172557	402574	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	+++++ 1783517	22776 2496706	54619 5120772	547854	1161002	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	+++++ 986163	+++++ 1363630	29541 2739630	301630	674005	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12536-1 Analy Batch No.: 43490

SDG No.: 200-12536-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethanol	BCM	Ave	+++++ 195794	+++++ 423287	43784 996073	90045	147960	+++++ 20.0	+++++ 40.0	5.00 100	10.0	15.0
Ethyl ether	BCM	Ave	+++++ 386647	4436 539131	10625 1067046	111163	254247	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Freon TF	BCM	Ave	+++++ 1247555	15500 1785541	38654 3705569	365245	822029	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	+++++ 736341	+++++ 1011441	+++++ 2093862	234420	509154	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	+++++ 590970	7505 845197	17040 1782667	169248	389344	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	+++++ 695313	+++++ 929650	+++++ 1808368	220856	508549	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	+++++ 1679909	+++++ 2418141	47375 5052073	489232	1119189	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	+++++ 491424	+++++ 682994	+++++ 1296594	156350	333318	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	+++++ 708216	8784 979703	20186 2000333	210440	467926	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	+++++ 308270	+++++ 377267	+++++ 825669	86464	189950	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	+++++ 564476	+++++ 785574	20407 1581183	177376	382450	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	+++++ 1691850	20302 2358384	48116 4738158	483116	1087102	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	+++++ 878373	10681 1221256	25276 2496079	266907	578583	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	+++++ 352996	+++++ 489994	8923 1011403	101040	230986	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	+++++ 53550	+++++ 76824	+++++ 158228	14712	33878	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
n-Hexane	BCM	Ave	+++++ 943974	11659 1328827	26975 2722223	283502	636047	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	+++++ 1108709	14225 1557111	32811 3198805	337595	742485	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	+++++ 1239854	+++++ 1709438	+++++ 3384215	350751	802692	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	+++++ 679576	9262 982350	20666 2051085	196752	451438	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 270226	+++++ 383108	7573 758972	75894	174301	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	+++++ 555906	+++++ 761622	+++++ 1491236	165101	362068	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12536-1 Analy Batch No.: 43490

SDG No.: 200-12536-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1384145	17381 1948138	40941 4005308	417596	919514	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	+++++ 1556934	19132 2183499	46194 4498299	473681	1020074	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	+++++ 969727	11808 1382842	26715 2875788	279394	636062	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	+++++ 2008021	26166 2874734	58442 5861699	586751	1329811	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	+++++ 3023710	37093 4262374	85877 8653827	907351	2041604	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	+++++ 905678	11331 1254053	27191 2518111	283185	601581	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	+++++ 1066712	13511 1481103	31946 2965258	331000	729294	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	+++++ 189079	+++++ 272944	+++++ 604323	60155	135583	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	4394 1670958	18719 2345482	45880 4919166	498385	1078834	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	+++++ 680514	8471 969733	18732 1910510	202786	448163	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	+++++ 623788	+++++ 894560	13183 1818413	163651	388995	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	+++++ 246521	+++++ 350811	+++++ 650303	74196	159944	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	+++++ 905001	9939 1316604	22730 2799296	251523	578927	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	+++++ 1555426	16523 2191881	40315 4405637	461707	1018972	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1150398	12608 1632459	30308 3289522	332086	748632	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl isobutyl ketone	DFB	Ave	+++++ 1032913	+++++ 1403370	25685 2777113	292876	610844	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Trichloroethene	DFB	Ave	2452 947186	11714 1365930	26365 2858818	277869	631256	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	+++++ 1532941	17855 2202530	41556 4448120	439755	1009776	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	+++++ 1463679	17820 2020913	42856 3915874	454106	988252	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1166001	12235 1641621	28452 3332037	329846	747465	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 691388	8167 983941	19172 1959711	199746	451489	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12536-1 Analy Batch No.: 43490

SDG No.: 200-12536-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	+++++ 1450848	16802 2104727	38008 4431081	405766	928617	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 944792	+++++ 1296084	22126 2641748	265661	562900	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	+++++ 1641809	14230 2365702	35839 4844163	450291	1026857	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 1399518	13995 2002421	33697 4055501	392787	890755	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 2246719	25629 3211968	59828 6576503	630032	1436363	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 3302057	36906 4678329	84758 9709309	907186	2107945	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	+++++ 1435289	16244 1978008	37379 3985736	414432	935342	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	+++++ 2823904	29267 3957139	68046 8239271	759733	1781171	+++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	+++++ 1368167	13709 1926863	33614 3959827	369852	868813	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	+++++ 2075226	15521 2968156	37864 6341806	524148	1290186	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	+++++ 1659606	12464 2366238	30836 4995494	434651	1017655	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	+++++ 3947303	39171 5562721	94306 11685494	1062326	2485603	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1773677	18312 2472348	44322 5061975	488992	1113422	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1415521	+++++ 1940206	36558 3884902	400659	899864	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	+++++ 4524580	40576 6298984	102048 13121769	1215235	2840068	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	+++++ 4036789	32929 5577490	85543 11374226	1063720	2495383	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	+++++ 1716815	+++++ 2246198	39442 4089282	493744	1116216	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	+++++ 3245736	35324 4462218	80335 8882480	912240	2051831	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3400461	30668 4736016	75673 10066067	909268	2106707	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	+++++ 1719742	10162 2451434	26719 5316033	432507	1053537	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	+++++ 3380018	31409 4720355	79610 9938298	911084	2098797	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12536-1 Analy Batch No.: 43490

SDG No.: 200-12536-1

Instrument ID: C.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/14/2012 18:13 Calibration End Date: 08/15/2012 08:24 Calibration ID: 17120

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 3368303	27852 4652357	68858 9966136	894230	2069833	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	+++++ 4835073	41489 6735894	105849 14311357	1302558	3001987	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	+++++ 4254247	31629 5915135	83572 12663046	1109988	2579274	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 2329856	20720 3255522	49495 7188170	610301	1416167	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	+++++ 2258369	19940 3174265	47456 7057943	584758	1369962	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	+++++ 2604019	18898 3648254	43600 8071371	634101	1527206	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	+++++ 3339168	21909 4559870	55935 9769839	837955	1988185	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	+++++ 1633244	+++++ 2023452	+++++ 4678209	376487	881223	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 2181647	19010 3027941	45888 6658200	573557	1317115	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	+++++ 857889	+++++ 933475	+++++ 2701195	265689	533363	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 934260	+++++ 1228920	20429 3207300	258080	508705	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 1271862	10984 1712222	26553 3660873	339968	738987	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	+++++ 1889409	+++++ 2318811	37078 6659792	511479	1063574	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 729064	6673 944178	16918 2427773	208922	422731	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz003.d
Lab Smp Id: ic 376683 Client Smp ID: ic 376683
Inj Date : 14-AUG-2012 18:13
Operator : wrd Inst ID: C.i
Smp Info : ic 376683
Misc Info : 40,1,level 8
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:34 klp Quant Type: ISTD
Cal Date : 14-AUG-2012 18:13 Cal File: ckz003.d
Als bottle: 2 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	40.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	Compound Not Detected.					
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	Compound Not Detected.					
7 Vinyl chloride	62	5.131	5.121	(0.424)	1524	0.04000	0.043(aM)
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
11 2-Methylbutane	43	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
14 Pentane	43	Compound Not Detected.					

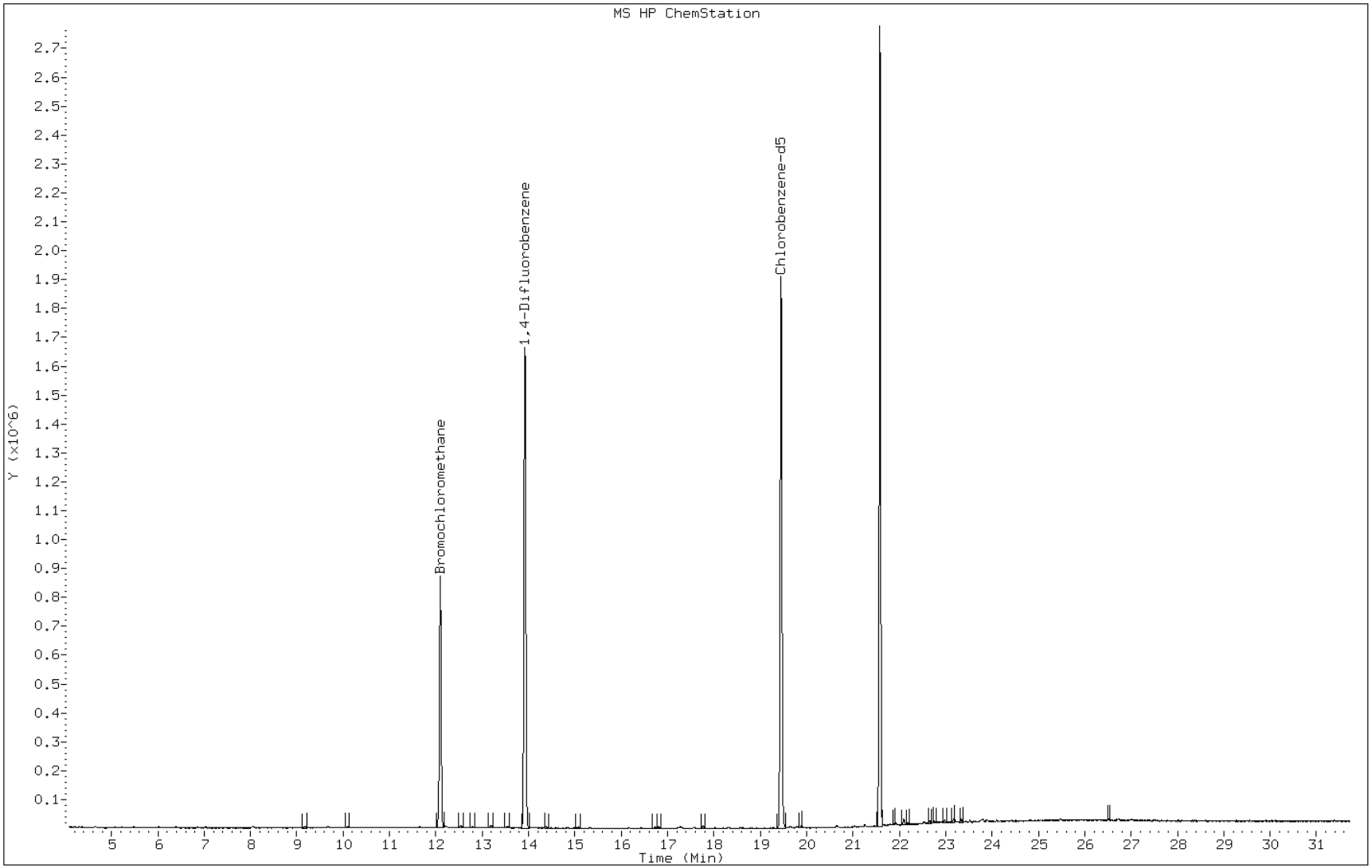
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	Compound Not Detected.					
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	12.096	12.096	(1.000)	377146	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	12.784	12.784	(0.918)	4394	0.04000	0.043(aM)
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	13.921	13.921	(1.000)	2132470	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	14.369	14.375	(1.032)	2452	0.04000	0.041(aQ)
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	57 n-Octane	43	Compound Not Detected.					
	58 Toluene	92	Compound Not Detected.					
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.450	19.450	(1.000)	1877367	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 n-Nonane	57	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	76 n-Propylbenzene	91	Compound Not Detected.					
	77 1,2,3-Trichloropropane	75	Compound Not Detected.					
	78 n-Decane	57	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	80 2-Chlorotoluene	91	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	82 Alpha Methyl Styrene	118	Compound Not Detected.					
	83 tert-butylbenzene	119	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	85 sec-Butylbenzene	105	Compound Not Detected.					
	86 4-Isopropyltoluene	119	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					
	89 Benzyl chloride	91	Compound Not Detected.					
	90 Undecane	57	Compound Not Detected.					
	91 n-Butylbenzene	91	Compound Not Detected.					
	92 1,2-Dichlorobenzene	146	Compound Not Detected.					
	93 Dodecane	57	Compound Not Detected.					
	94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
	96 Naphthalene	128	Compound Not Detected.					
	97 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckz003.d	Date:	14-AUG-2012 18:13
Client ID:	ic 376683	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 376683		
Lab Sample ID:	ic 376683		



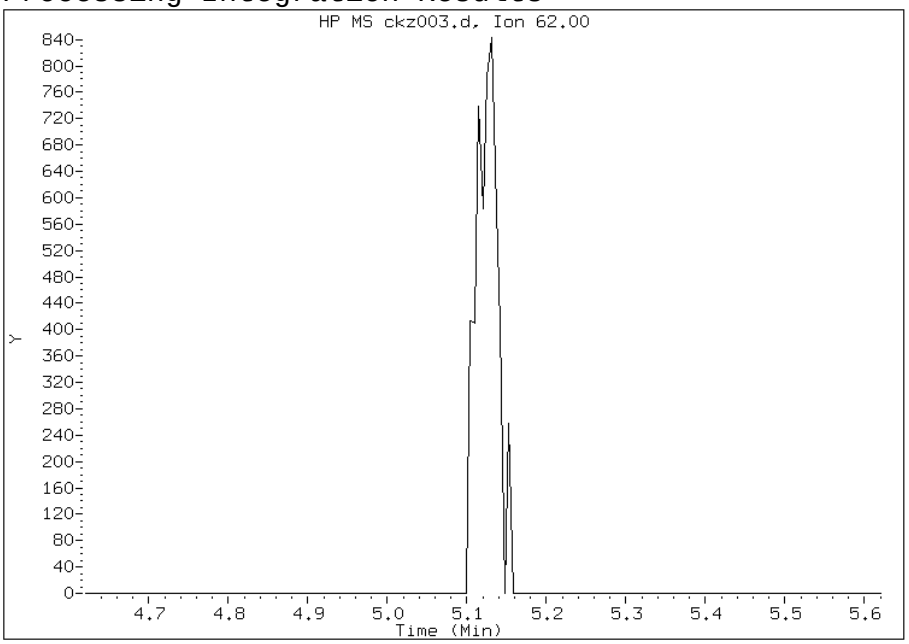
Manual Integration Report

Data File: ckz003.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 18:13
Instrument ID: C.i
Client ID: ic 376683
Compound: 7 Vinyl chloride
CAS #: 75-01-4
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 5.12



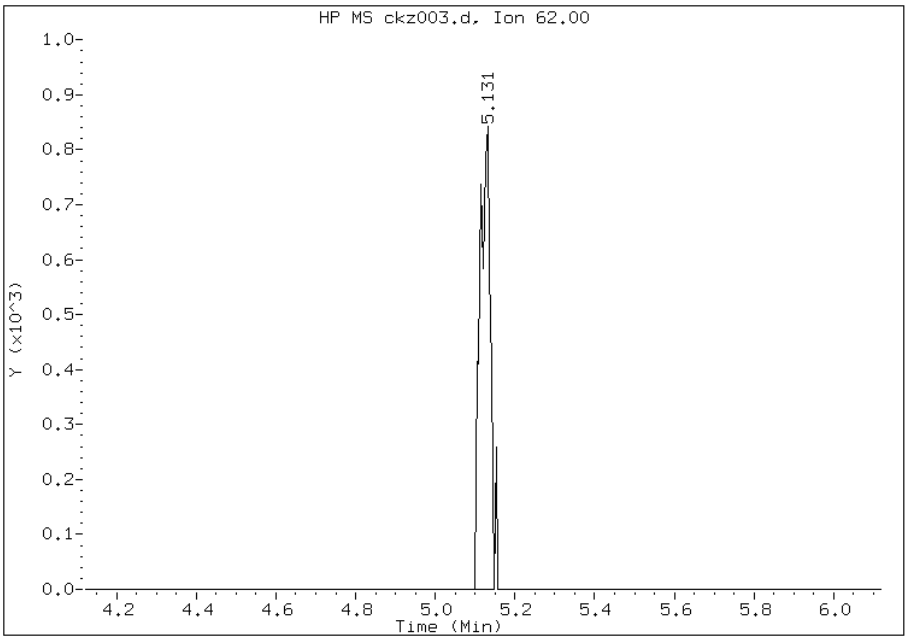
Manual Integration Results

RT: 5.13

Response: 1524

Amount: 0.042511

Conc: 0.042511



File Uploaded By: klp
Manual Integration Reason: Poor chromatography

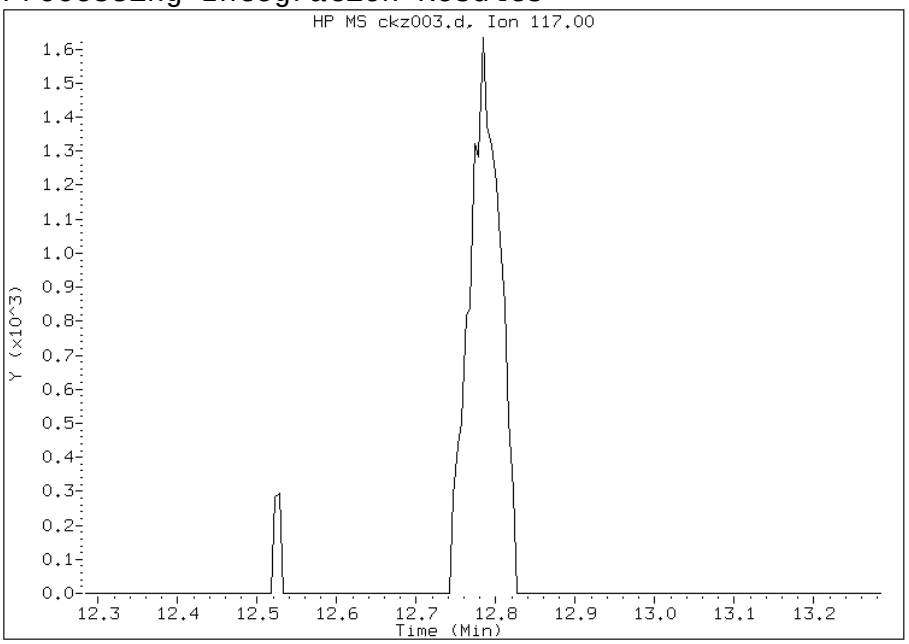
Manual Integration Report

Data File: ckz003.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 18:13
Instrument ID: C.i
Client ID: ic 376683
Compound: 42 Carbon tetrachloride
CAS #: 56-23-5
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 12.78



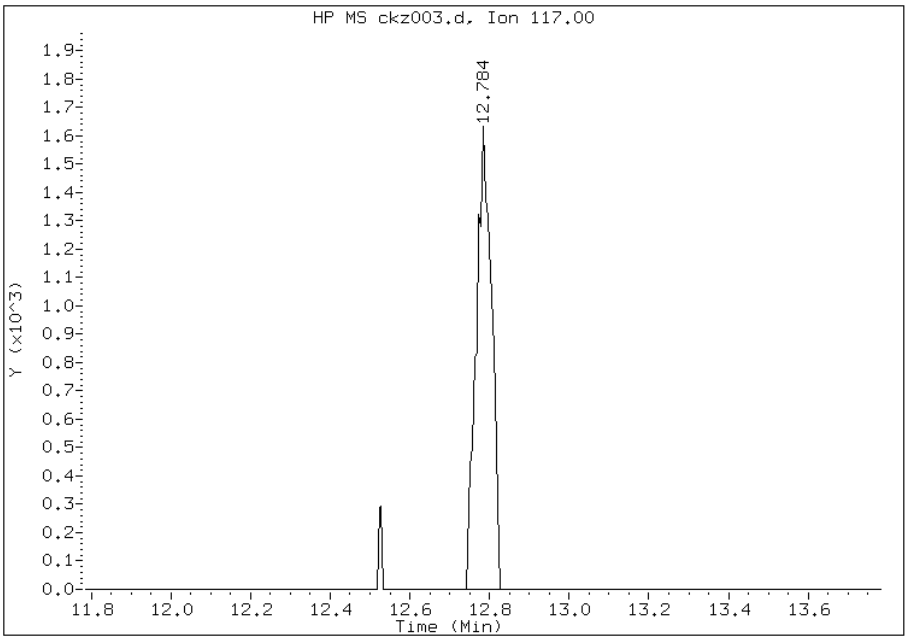
Manual Integration Results

RT: 12.78

Response: 4394

Amount: 0.042756

Conc: 0.042756



File Uploaded By: klp
Manual Integration Reason: Poor chromatography

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz004.d
Lab Smp Id: ic 376683 Client Smp ID: ic 376683
Inj Date : 14-AUG-2012 19:07
Operator : wrd Inst ID: C.i
Smp Info : ic 376683
Misc Info : 200,1,level 1
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:33 klp Quant Type: ISTD
Cal Date : 14-AUG-2012 19:07 Cal File: ckz004.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1 Propene	41	4.208	4.208	(0.348)	7668	0.20000	0.32(a)
2 Dichlorodifluoromethane	85	4.304	4.304	(0.356)	22274	0.20000	0.22(a)
3 Chlorodifluoromethane	51	4.357	4.363	(0.360)	12398	0.20000	0.25(a)
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.651	4.651	(0.385)	22087	0.20000	0.22
5 Chloromethane	50	4.811	4.811	(0.398)	7302	0.20000	0.26(a)
6 Butane	43	5.078	5.078	(0.420)	11274	0.20000	0.23(a)
7 Vinyl chloride	62	5.120	5.121	(0.424)	7480	0.20000	0.22
8 1,3-Butadiene	54	5.222	5.217	(0.432)	5285	0.20000	0.21
9 Bromomethane	94	6.012	6.012	(0.497)	7006	0.20000	0.21
10 Chloroethane	64	6.284	6.284	(0.520)	3751	0.20000	0.22(a)
11 2-Methylbutane	43	6.407	6.396	(0.530)	8346	0.20000	0.22
12 Vinyl bromide	106	6.732	6.727	(0.557)	7572	0.20000	0.21
13 Trichlorofluoromethane	101	6.855	6.860	(0.567)	22776	0.20000	0.22
14 Pentane	43	7.026	7.026	(0.581)	13017	0.20000	0.23(a)

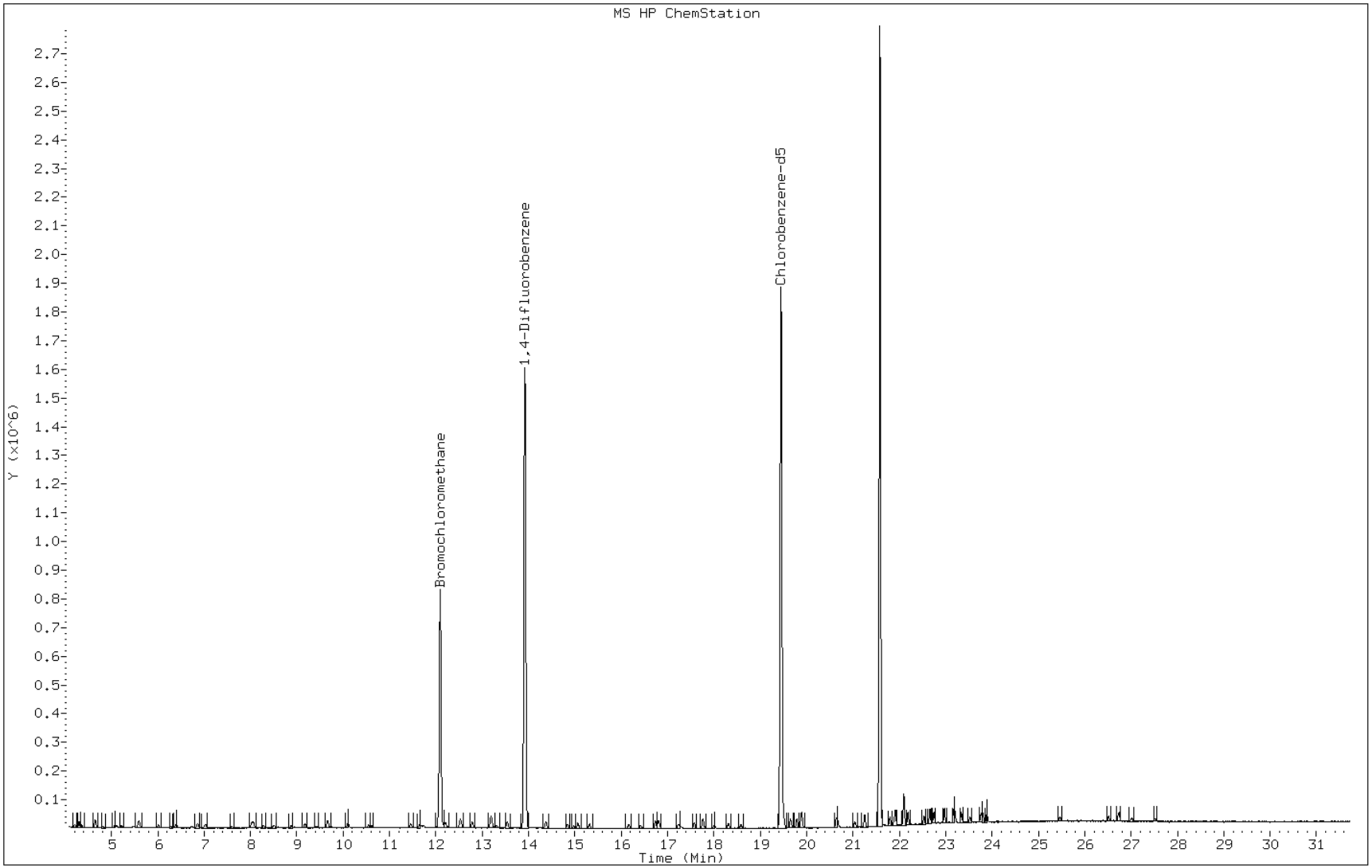
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	15 Ethanol	45	7.437	7.426	(0.615)	3994	0.20000	0.47(a)
	16 Ethyl ether	59	7.597	7.581	(0.628)	4436	0.20000	0.20
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.034	8.034	(0.665)	15500	0.20000	0.21
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	8.072	8.072	(0.668)	7505	0.20000	0.22
	20 Acetone	43	8.280	8.269	(0.685)	15272	0.20000	0.38(a)
	21 Carbon disulfide	76	8.509	8.509	(0.704)	20593	0.20000	0.21(a)
	22 Isopropanol	45	8.600	8.573	(0.711)	6279	0.20000	0.22(a)
	23 Allyl chloride	41	8.878	8.883	(0.734)	8784	0.20000	0.21(a)
	24 Acetonitrile	41	8.952	8.942	(0.740)	4792	0.20000	0.29(aQM)
	25 Methylene chloride	49	9.177	9.177	(0.759)	10643	0.20000	0.31(a)
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	9.662	9.641	(0.799)	20302	0.20000	0.21(M)
	28 1,2-Dichloroethene (trans)	61	9.662	9.668	(0.799)	10681	0.20000	0.21
	29 Acrylonitrile	53	9.753	9.748	(0.807)	3746	0.20000	0.19(a)
	30 n-Hexane	57	10.105	10.105	(0.836)	11659	0.20000	0.21
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	14225	0.20000	0.22
	32 Vinyl acetate	43	10.612	10.607	(0.878)	13279	0.20000	0.19(a)
M	33 1,2-Dichloroethene,Total	61				19943	0.40000	0.44
	34 1,2-Dichloroethene (cis)	96	11.648	11.653	(0.963)	9262	0.20000	0.23
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	11.685	11.674	(0.966)	2806	0.20000	0.18(aQ)
*	37 Bromochloromethane	128	12.091	12.096	(1.000)	364158	10.0000	
	38 Tetrahydrofuran	42	12.165	12.139	(0.874)	6743	0.20000	0.21(a)
	39 Chloroform	83	12.213	12.213	(1.010)	17381	0.20000	0.21
	40 Cyclohexane	84	12.539	12.544	(0.901)	11808	0.20000	0.21
	41 1,1,1-Trichloroethane	97	12.533	12.528	(0.900)	19132	0.20000	0.21
	42 Carbon tetrachloride	117	12.784	12.784	(0.918)	18719	0.20000	0.19(a)
	43 2,2,4-Trimethylpentane	57	13.195	13.201	(0.948)	37093	0.20000	0.21
	44 Benzene	78	13.190	13.190	(0.947)	26166	0.20000	0.22
	45 1,2-Dichloroethane	62	13.313	13.318	(0.956)	11331	0.20000	0.21
	46 n-Heptane	43	13.542	13.542	(0.973)	13511	0.20000	0.21
*	47 1,4-Difluorobenzene	114	13.921	13.921	(1.000)	2033782	10.0000	
	48 n-Butanol	56	14.241	14.209	(1.023)	2579	0.20000	0.22(aM)
	49 Trichloroethene	95	14.369	14.375	(1.032)	11714	0.20000	0.21
	50 1,2-Dichloropropane	63	14.834	14.844	(1.066)	8471	0.20000	0.21
	51 Methyl methacrylate	69	14.972	14.972	(1.076)	4924	0.20000	0.14(a)
	52 Dibromomethane	174	15.063	15.069	(1.082)	9939	0.20000	0.19(a)
	53 1,4-Dioxane	88	15.058	15.042	(1.082)	2644	0.20000	0.19(a)
	54 Bromodichloromethane	83	15.314	15.319	(1.100)	16523	0.20000	0.19(a)
	55 1,3-Dichloropropene (cis)	75	16.157	16.163	(1.161)	12608	0.20000	0.19(a)
	56 Methyl isobutyl ketone	43	16.413	16.408	(1.179)	10187	0.20000	0.18(a)
	57 n-Octane	43	16.808	16.808	(1.207)	17820	0.20000	0.21(a)
	58 Toluene	92	16.739	16.734	(0.861)	17855	0.20000	0.20
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.238)	12235	0.20000	0.19(aM)
	60 1,1,2-Trichloroethane	83	17.572	17.577	(0.903)	8167	0.20000	0.20
	61 Tetrachloroethene	166	17.764	17.764	(0.913)	16802	0.20000	0.20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	62 2-Hexanone	43	17.998	17.993	(0.925)	8993	0.20000	0.17(a)
	63 Dibromochloromethane	129	18.313	18.313	(0.942)	14230	0.20000	0.16(a)
	64 1,2-Dibromoethane	107	18.580	18.586	(0.955)	13995	0.20000	0.18(a)
*	65 Chlorobenzene-d5	117	19.450	19.450	(1.000)	1853926	10.0000	
	66 Chlorobenzene	112	19.503	19.509	(1.003)	25629	0.20000	0.20
	67 n-Nonane	57	19.792	19.792	(1.018)	16244	0.20000	0.20(M)
	68 Ethylbenzene	91	19.653	19.653	(1.010)	36906	0.20000	0.20
	69 Xylene (m,p)	106	19.893	19.893	(1.023)	29267	0.40000	0.38(a)
M	70 Xylenes, Total	106				42976	0.20000	0.56
	71 Xylene (o)	106	20.646	20.646	(1.061)	13709	0.20000	0.18(a)
	72 Styrene	104	20.672	20.678	(1.063)	15521	0.20000	0.15(a)
	73 Bromoform	173	21.035	21.041	(1.081)	12464	0.20000	0.15(a)
	74 Isopropylbenzene	105	21.249	21.254	(1.092)	39171	0.20000	0.18(a)
	75 1,1,2,2-Tetrachloroethane	83	21.798	21.798	(1.121)	18312	0.20000	0.19(a)
	76 n-Propylbenzene	91	21.916	21.916	(1.127)	40576	0.20000	0.17(a)
	77 1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	15948	0.20000	0.20(a)
	78 n-Decane	57	22.097	22.097	(1.136)	16092	0.20000	0.17(a)
	79 4-Ethyltoluene	105	22.092	22.092	(1.136)	32929	0.20000	0.16(a)
	80 2-Chlorotoluene	91	22.103	22.103	(1.136)	35324	0.20000	0.20
	81 1,3,5-Trimethylbenzene	105	22.188	22.193	(1.141)	30668	0.20000	0.17(a)
	82 Alpha Methyl Styrene	118	22.535	22.535	(1.159)	10162	0.20000	0.12(a)
	83 tert-butylbenzene	119	22.658	22.658	(1.165)	31409	0.20000	0.17(a)
	84 1,2,4-Trimethylbenzene	105	22.743	22.748	(1.169)	27852	0.20000	0.16(a)
	85 sec-Butylbenzene	105	22.972	22.972	(1.181)	41489	0.20000	0.16(a)
	86 4-Isopropyltoluene	119	23.170	23.170	(1.191)	31629	0.20000	0.14(a)
	87 1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	20720	0.20000	0.17(a)
	88 1,4-Dichlorobenzene	146	23.335	23.335	(1.200)	19940	0.20000	0.17(a)
	89 Benzyl chloride	91	23.527	23.522	(1.210)	18898	0.20000	0.14(a)
	90 Undecane	57	23.800	23.805	(1.224)	12771	0.20000	0.15(a)
	91 n-Butylbenzene	91	23.762	23.768	(1.222)	21909	0.20000	0.13(a)
	92 1,2-Dichlorobenzene	146	23.890	23.890	(1.228)	19010	0.20000	0.16(a)
	93 Dodecane	57	25.465	25.465	(1.309)	7408	0.20000	0.15(aM)
	94 1,2,4-Trichlorobenzene	180	26.511	26.516	(1.363)	8022	0.20000	0.16(a)
	95 1,3-Hexachlorobutadiene	225	26.740	26.735	(1.375)	10984	0.20000	0.17(a)
	96 Naphthalene	128	27.018	27.012	(1.389)	15507	0.20000	0.15(a)
	97 1,2,3-Trichlorobenzene	180	27.509	27.514	(1.414)	6673	0.20000	0.17(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckz004.d	Date:	14-AUG-2012 19:07
Client ID:	ic 376683	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 376683		
Lab Sample ID:	ic 376683		



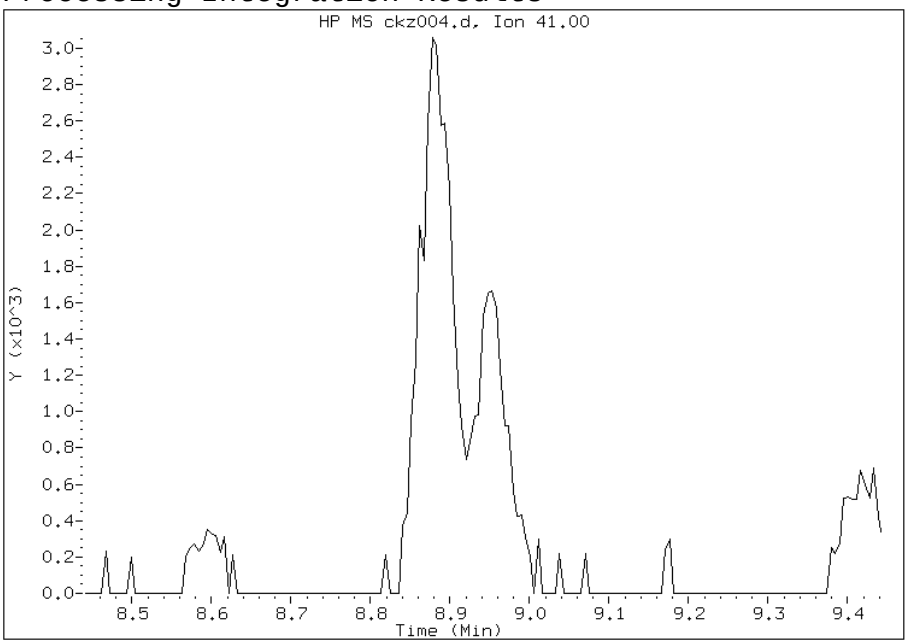
Manual Integration Report

Data File: ckz004.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 19:07
Instrument ID: C.i
Client ID: ic 376683
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 8.94



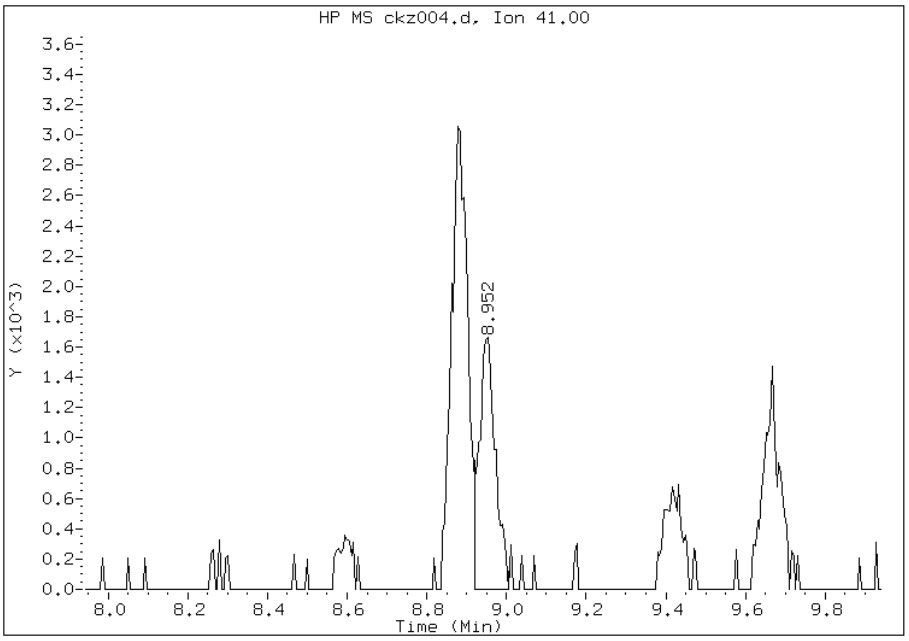
Manual Integration Results

RT: 8.95

Response: 4792

Amount: 0.290403

Conc: 0.290403



File Uploaded By: klp
Manual Integration Reason: Poor chromatography

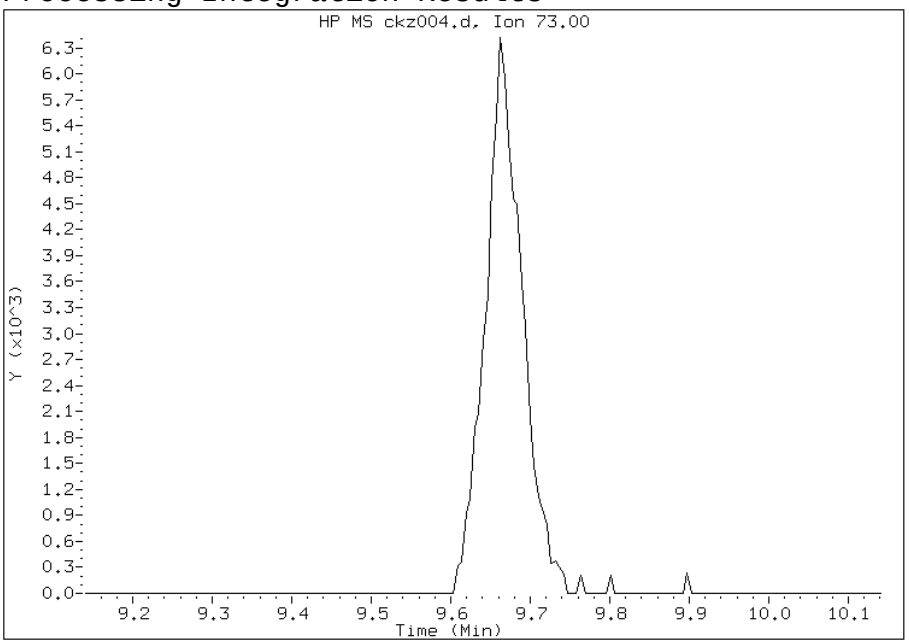
Manual Integration Report

Data File: ckz004.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 19:07
Instrument ID: C.i
Client ID: ic 376683
Compound: 27 Methyl tert-butyl ether
CAS #: 1634-04-4
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 9.64



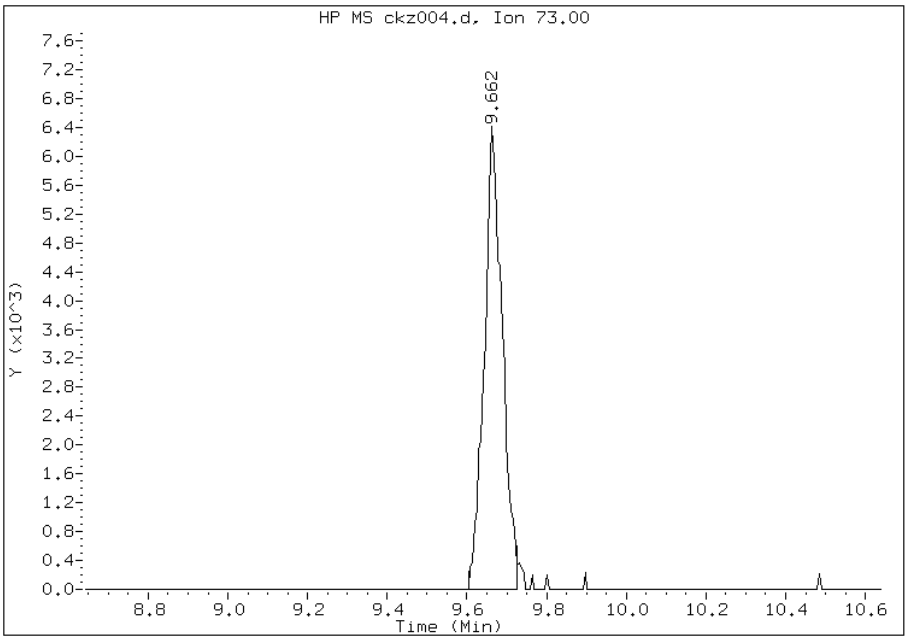
Manual Integration Results

RT: 9.66

Response: 20302

Amount: 0.210630

Conc: 0.210630



File Uploaded By: klp
Manual Integration Reason: Poor chromatography

Manual Integration Report

Data File: ckz004.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 19:07
Instrument ID: C.i
Client ID: ic 376683
Compound: 48 n-Butanol
CAS #: 71-36-3
Report Date: 08/16/2012

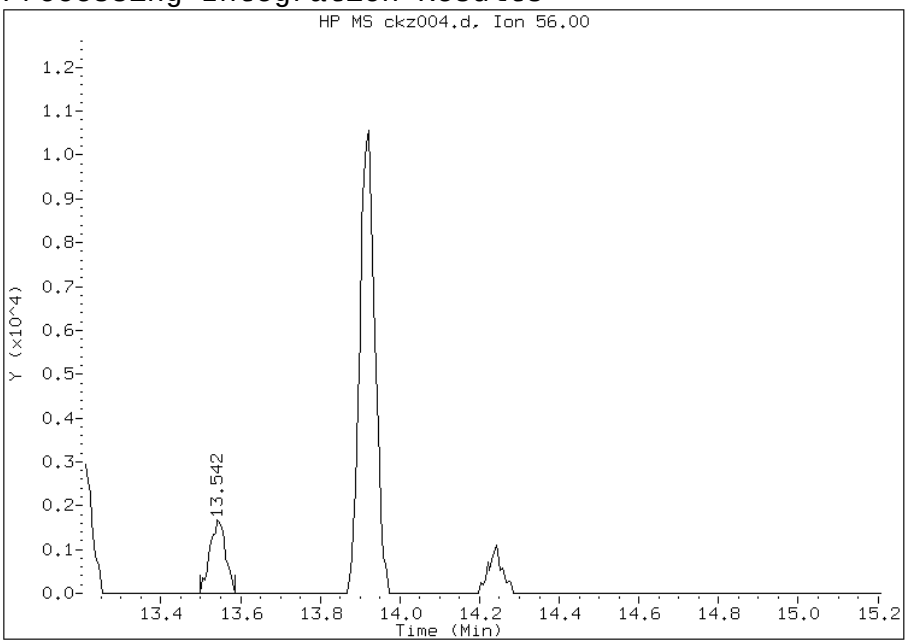
Processing Integration Results

RT: 13.54

Response: 4578

Amount: 0.371444

Conc: 0.371444



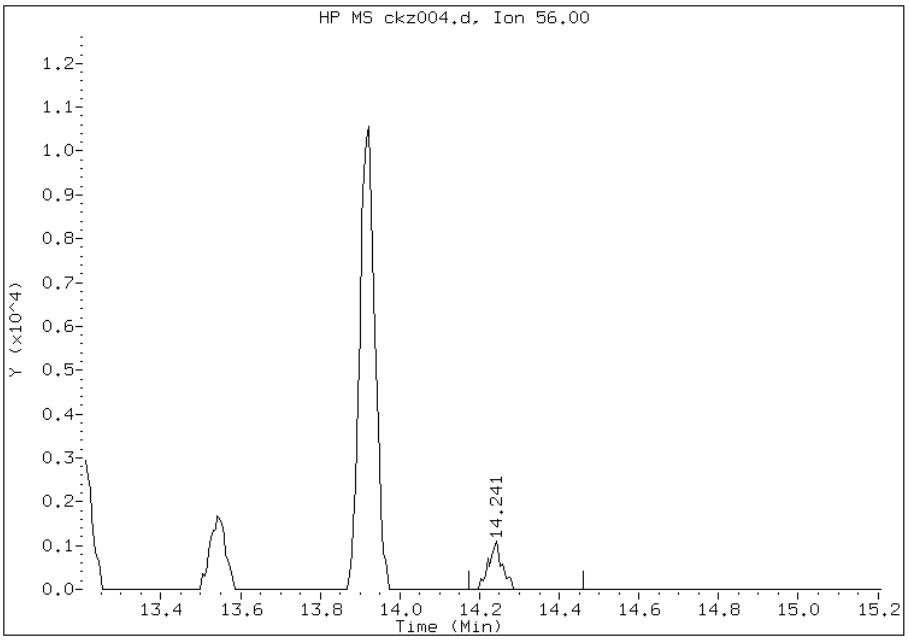
Manual Integration Results

RT: 14.24

Response: 2579

Amount: 0.219081

Conc: 0.219081



File Uploaded By: klp
Manual Integration Reason: Analyte misidentified by the data system

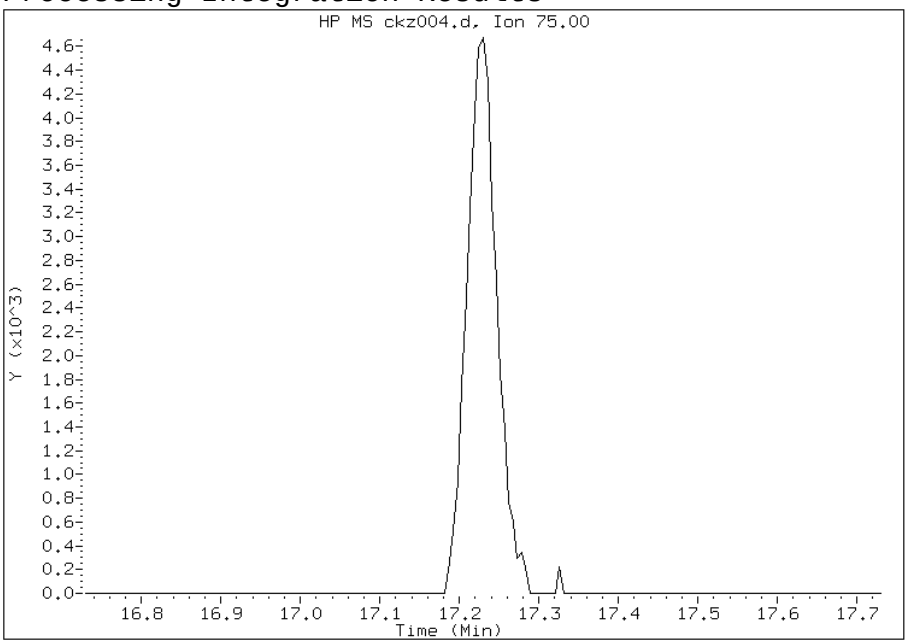
Manual Integration Report

Data File: ckz004.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 19:07
Instrument ID: C.i
Client ID: ic 376683
Compound: 59 1,3-Dichloropropene (trans)
CAS #: 10061-02-6
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 17.23



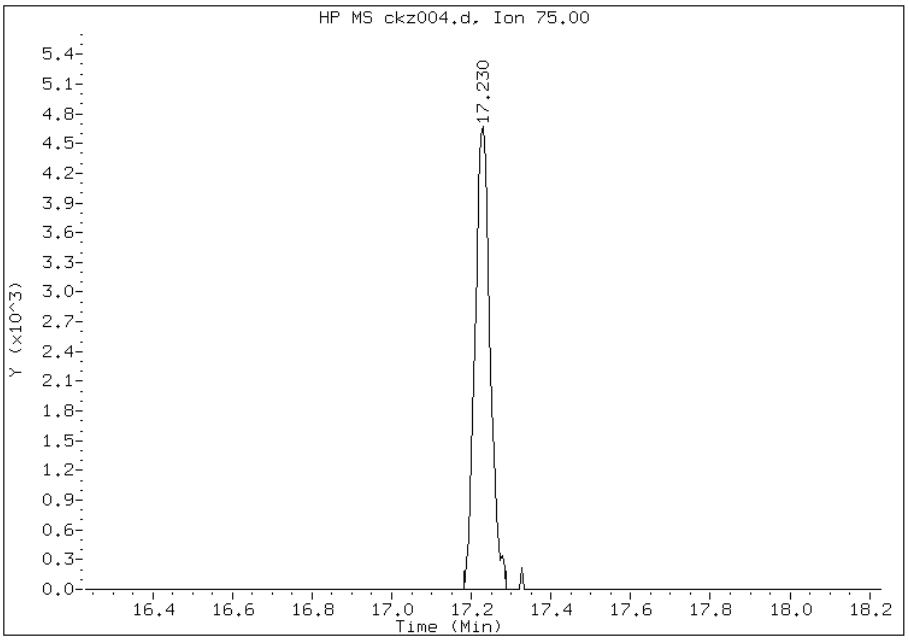
Manual Integration Results

RT: 17.23

Response: 12235

Amount: 0.187586

Conc: 0.187586



File Uploaded By: klp
Manual Integration Reason: Poor chromatography

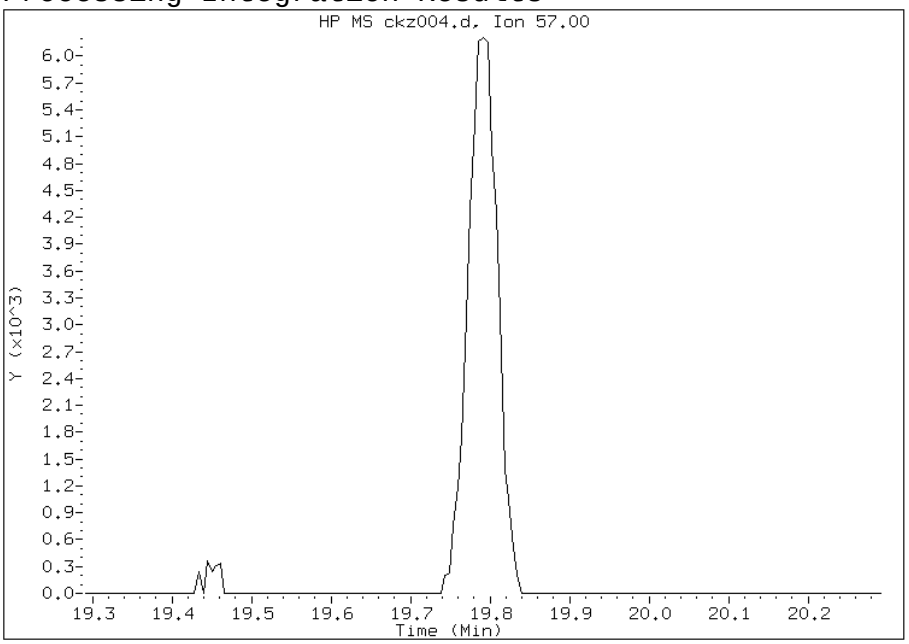
Manual Integration Report

Data File: ckz004.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 19:07
Instrument ID: C.i
Client ID: ic 376683
Compound: 67 n-Nonane
CAS #: 111-84-2
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 19.79



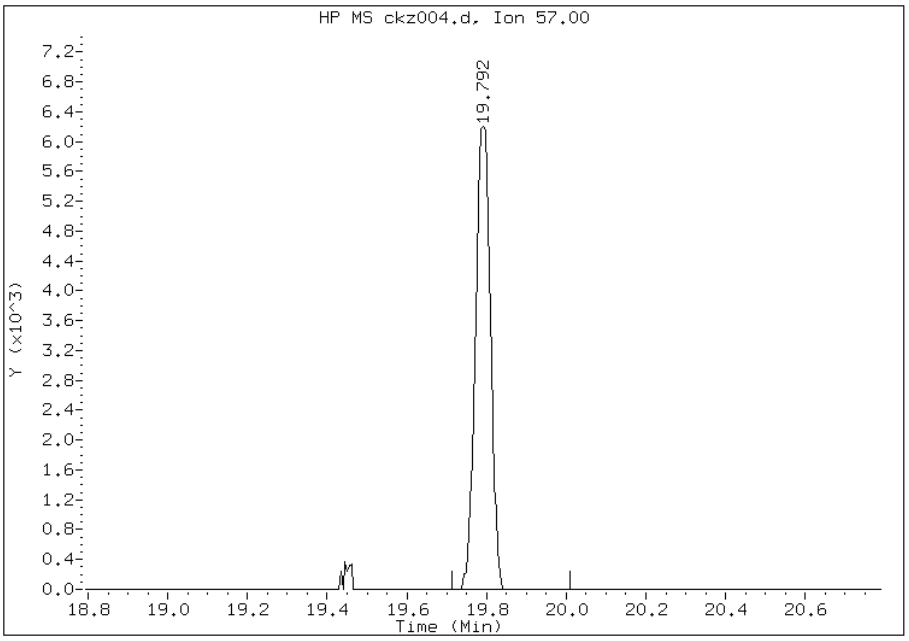
Manual Integration Results

RT: 19.79

Response: 16244

Amount: 0.199620

Conc: 0.199620



File Uploaded By: klp
Manual Integration Reason: Peak not found by the data system

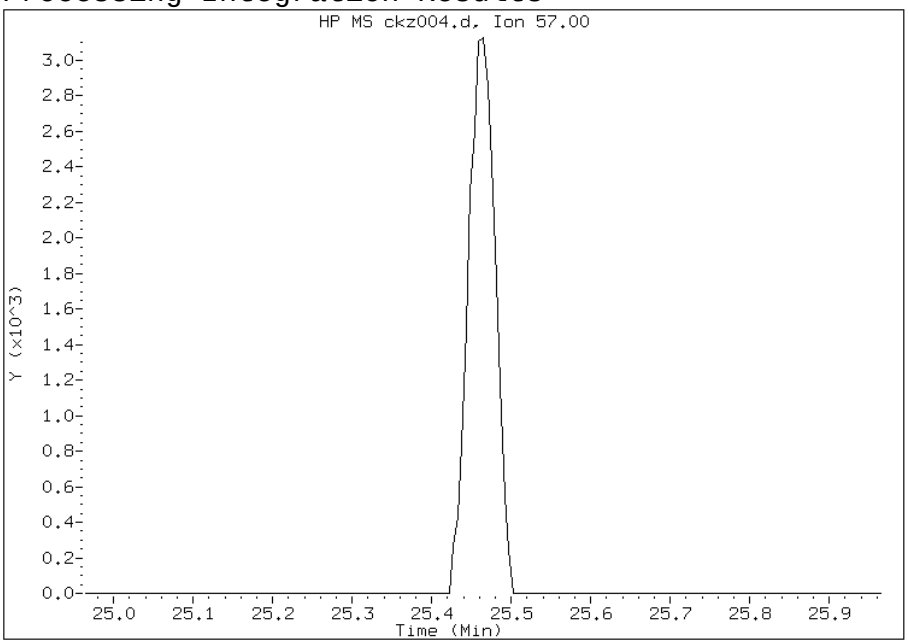
Manual Integration Report

Data File: ckz004.d
Lab Sample ID: ic 376683
Inj. Date and Time: 14-AUG-2012 19:07
Instrument ID: C.i
Client ID: ic 376683
Compound: 93 Dodecane
CAS #: 112-40-3
Report Date: 08/16/2012

Processing Integration Results

Not Detected

Expected RT: 25.46



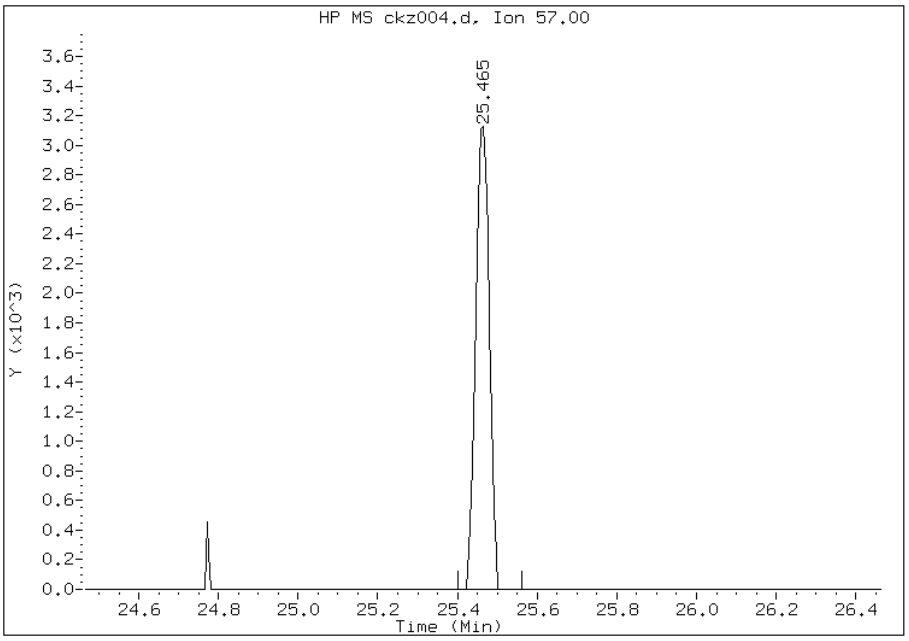
Manual Integration Results

RT: 25.46

Response: 7408

Amount: 0.151353

Conc: 0.151353



File Uploaded By: klp
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz005.d
Lab Smp Id: ic 376702 Client Smp ID: ic 376702
Inj Date : 14-AUG-2012 20:00
Operator : wrd Inst ID: C.i
Smp Info : ic 376702
Misc Info : 200,1,level 2
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:33 klp Quant Type: ISTD
Cal Date : 14-AUG-2012 20:00 Cal File: ckz005.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1 Propene	41	4.208	4.208	(0.348)	13040	0.50000	0.57(a)
2 Dichlorodifluoromethane	85	4.299	4.304	(0.355)	54156	0.50000	0.56
3 Chlorodifluoromethane	51	4.363	4.363	(0.361)	28864	0.50000	0.59
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.645	4.651	(0.384)	50270	0.50000	0.51
5 Chloromethane	50	4.806	4.811	(0.397)	15529	0.50000	0.58
6 Butane	43	5.078	5.078	(0.420)	26294	0.50000	0.55
7 Vinyl chloride	62	5.120	5.121	(0.423)	16827	0.50000	0.50
8 1,3-Butadiene	54	5.216	5.217	(0.431)	12729	0.50000	0.53
9 Bromomethane	94	6.006	6.012	(0.497)	16245	0.50000	0.50
10 Chloroethane	64	6.284	6.284	(0.520)	8516	0.50000	0.51
11 2-Methylbutane	43	6.401	6.396	(0.529)	19836	0.50000	0.55
12 Vinyl bromide	106	6.727	6.727	(0.556)	17011	0.50000	0.50
13 Trichlorofluoromethane	101	6.860	6.860	(0.567)	54619	0.50000	0.54
14 Pentane	43	7.026	7.026	(0.581)	29541	0.50000	0.53

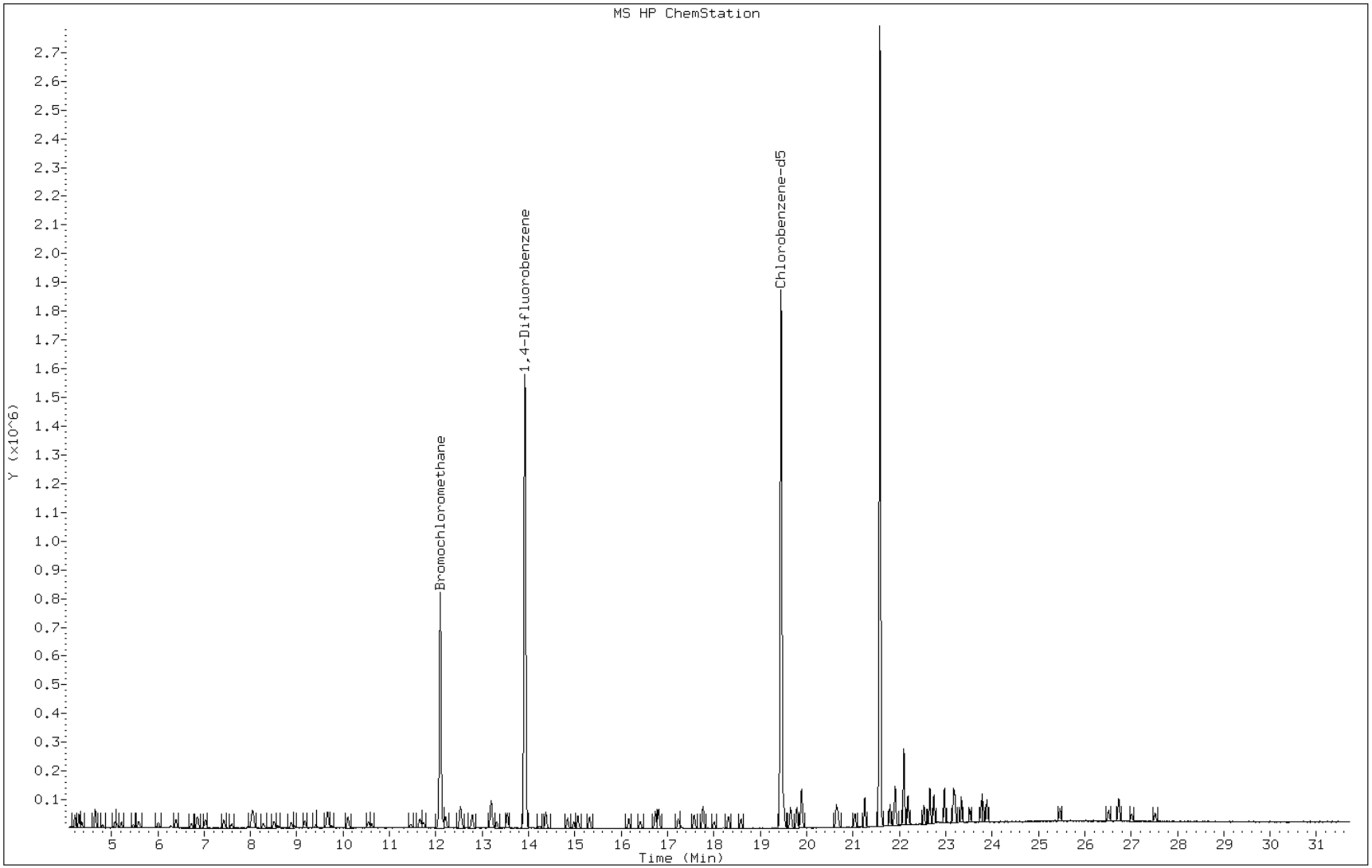
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	15 Ethanol	45	7.426	7.426	(0.614)	43784	5.00000	5.3
	16 Ethyl ether	59	7.597	7.581	(0.628)	10625	0.50000	0.50
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.034	8.034	(0.664)	38654	0.50000	0.54
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	8.072	8.072	(0.667)	17040	0.50000	0.51
	20 Acetone	43	8.285	8.269	(0.685)	32006	0.50000	0.82(a)
	21 Carbon disulfide	76	8.509	8.509	(0.703)	47375	0.50000	0.50
	22 Isopropanol	45	8.595	8.573	(0.711)	14910	0.50000	0.55(a)
	23 Allyl chloride	41	8.883	8.883	(0.734)	20186	0.50000	0.51
	24 Acetonitrile	41	8.947	8.942	(0.740)	9123	0.50000	0.57(aQ)
	25 Methylene chloride	49	9.171	9.177	(0.758)	20407	0.50000	0.62
	26 Tert-butyl alcohol	59	9.422	9.390	(0.779)	21408	0.50000	0.52(a)
	27 Methyl tert-butyl ether	73	9.662	9.641	(0.799)	48116	0.50000	0.52
	28 1,2-Dichloroethene (trans)	61	9.667	9.668	(0.799)	25276	0.50000	0.51
	29 Acrylonitrile	53	9.742	9.748	(0.805)	8923	0.50000	0.47(a)
	30 n-Hexane	57	10.100	10.105	(0.835)	26975	0.50000	0.51
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	32811	0.50000	0.52
	32 Vinyl acetate	43	10.612	10.607	(0.877)	31238	0.50000	0.47(a)
M	33 1,2-Dichloroethene,Total	61				45942	1.00000	1.0
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	20666	0.50000	0.52
	35 Ethyl acetate	88	11.733	11.728	(0.970)	1236	0.50000	0.42(aQ)
	36 Methyl Ethyl Ketone	72	11.685	11.674	(0.966)	7573	0.50000	0.51
*	37 Bromochloromethane	128	12.096	12.096	(1.000)	352356	10.0000	
	38 Tetrahydrofuran	42	12.154	12.139	(0.873)	16777	0.50000	0.54(a)
	39 Chloroform	83	12.213	12.213	(1.010)	40941	0.50000	0.52
	40 Cyclohexane	84	12.549	12.544	(0.901)	26715	0.50000	0.48
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	46194	0.50000	0.51
	42 Carbon tetrachloride	117	12.790	12.784	(0.919)	45880	0.50000	0.48
	43 2,2,4-Trimethylpentane	57	13.195	13.201	(0.948)	85877	0.50000	0.49
	44 Benzene	78	13.190	13.190	(0.947)	58442	0.50000	0.50
	45 1,2-Dichloroethane	62	13.313	13.318	(0.956)	27191	0.50000	0.52
	46 n-Heptane	43	13.542	13.542	(0.973)	31946	0.50000	0.51
*	47 1,4-Difluorobenzene	114	13.921	13.921	(1.000)	1980290	10.0000	
	48 n-Butanol	56	14.236	14.209	(1.023)	5469	0.50000	0.48(aM)
	49 Trichloroethene	95	14.375	14.375	(1.033)	26365	0.50000	0.48
	50 1,2-Dichloropropane	63	14.839	14.844	(1.066)	18732	0.50000	0.48
	51 Methyl methacrylate	69	14.978	14.972	(1.076)	13183	0.50000	0.40(a)
	52 Dibromomethane	174	15.068	15.069	(1.082)	22730	0.50000	0.45
	53 1,4-Dioxane	88	15.058	15.042	(1.082)	6590	0.50000	0.47(a)
	54 Bromodichloromethane	83	15.319	15.319	(1.100)	40315	0.50000	0.47
	55 1,3-Dichloropropene (cis)	75	16.162	16.163	(1.161)	30308	0.50000	0.47
	56 Methyl isobutyl ketone	43	16.419	16.408	(1.179)	25685	0.50000	0.46(a)
	57 n-Octane	43	16.803	16.808	(1.207)	42856	0.50000	0.51
	58 Toluene	92	16.734	16.734	(0.860)	41556	0.50000	0.47
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.238)	28452	0.50000	0.45
	60 1,1,2-Trichloroethane	83	17.582	17.577	(0.904)	19172	0.50000	0.48
	61 Tetrachloroethene	166	17.764	17.764	(0.913)	38008	0.50000	0.46

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	62 2-Hexanone	43	17.998	17.993	(0.925)	22126	0.50000	0.43(a)
	63 Dibromochloromethane	129	18.319	18.313	(0.942)	35839	0.50000	0.41
	64 1,2-Dibromoethane	107	18.585	18.586	(0.956)	33697	0.50000	0.44
*	65 Chlorobenzene-d5	117	19.450	19.450	(1.000)	1830651	10.0000	
	66 Chlorobenzene	112	19.509	19.509	(1.003)	59828	0.50000	0.47
	67 n-Nonane	57	19.786	19.792	(1.017)	37379	0.50000	0.47
	68 Ethylbenzene	91	19.658	19.653	(1.011)	84758	0.50000	0.46
	69 Xylene (m,p)	106	19.893	19.893	(1.023)	68046	1.00000	0.88
M	70 Xylenes, Total	106				101660	0.50000	1.3
	71 Xylene (o)	106	20.645	20.646	(1.061)	33614	0.50000	0.45
	72 Styrene	104	20.683	20.678	(1.063)	37864	0.50000	0.36
	73 Bromoform	173	21.046	21.041	(1.082)	30836	0.50000	0.37
	74 Isopropylbenzene	105	21.254	21.254	(1.093)	94306	0.50000	0.44
	75 1,1,2,2-Tetrachloroethane	83	21.798	21.798	(1.121)	44322	0.50000	0.46
	76 n-Propylbenzene	91	21.916	21.916	(1.127)	102048	0.50000	0.43
	77 1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	36558	0.50000	0.47(a)
	78 n-Decane	57	22.092	22.097	(1.136)	39442	0.50000	0.43(a)
	79 4-Ethyltoluene	105	22.092	22.092	(1.136)	85543	0.50000	0.41
	80 2-Chlorotoluene	91	22.102	22.103	(1.136)	80335	0.50000	0.45
	81 1,3,5-Trimethylbenzene	105	22.188	22.193	(1.141)	75673	0.50000	0.42
	82 Alpha Methyl Styrene	118	22.535	22.535	(1.159)	26719	0.50000	0.32
	83 tert-butylbenzene	119	22.657	22.658	(1.165)	79610	0.50000	0.44
	84 1,2,4-Trimethylbenzene	105	22.748	22.748	(1.170)	68858	0.50000	0.40
	85 sec-Butylbenzene	105	22.972	22.972	(1.181)	105849	0.50000	0.42
	86 4-Isopropyltoluene	119	23.170	23.170	(1.191)	83572	0.50000	0.39
	87 1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	49495	0.50000	0.40
	88 1,4-Dichlorobenzene	146	23.335	23.335	(1.200)	47456	0.50000	0.40
	89 Benzyl chloride	91	23.527	23.522	(1.210)	43600	0.50000	0.34
	90 Undecane	57	23.805	23.805	(1.224)	30330	0.50000	0.36(a)
	91 n-Butylbenzene	91	23.762	23.768	(1.222)	55935	0.50000	0.35
	92 1,2-Dichlorobenzene	146	23.890	23.890	(1.228)	45888	0.50000	0.40
	93 Dodecane	57	25.459	25.465	(1.309)	20571	0.50000	0.43(a)
	94 1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	20429	0.50000	0.40(a)
	95 1,3-Hexachlorobutadiene	225	26.730	26.735	(1.374)	26553	0.50000	0.41
	96 Naphthalene	128	27.012	27.012	(1.389)	37078	0.50000	0.37(a)
	97 1,2,3-Trichlorobenzene	180	27.525	27.514	(1.415)	16918	0.50000	0.43

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckz005.d	Date:	14-AUG-2012 20:00
Client ID:	ic 376702	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 376702		
Lab Sample ID:	ic 376702		



Manual Integration Report

Data File: ckz005.d
Lab Sample ID: ic 376702
Inj. Date and Time: 14-AUG-2012 20:00
Instrument ID: C.i
Client ID: ic 376702
Compound: 48 n-Butanol
CAS #: 71-36-3
Report Date: 08/16/2012

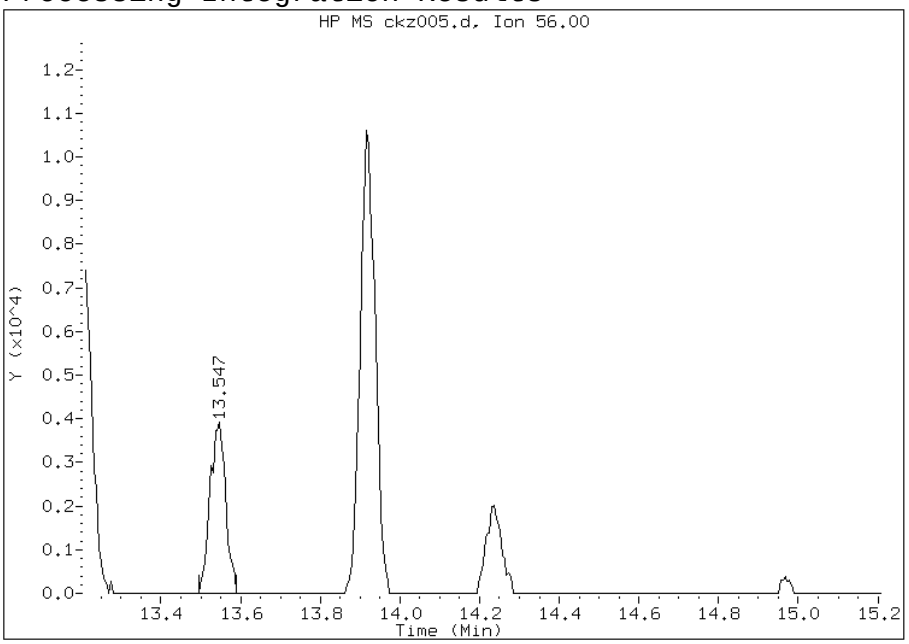
Processing Integration Results

RT: 13.55

Response: 10724

Amount: 0.893615

Conc: 0.893615



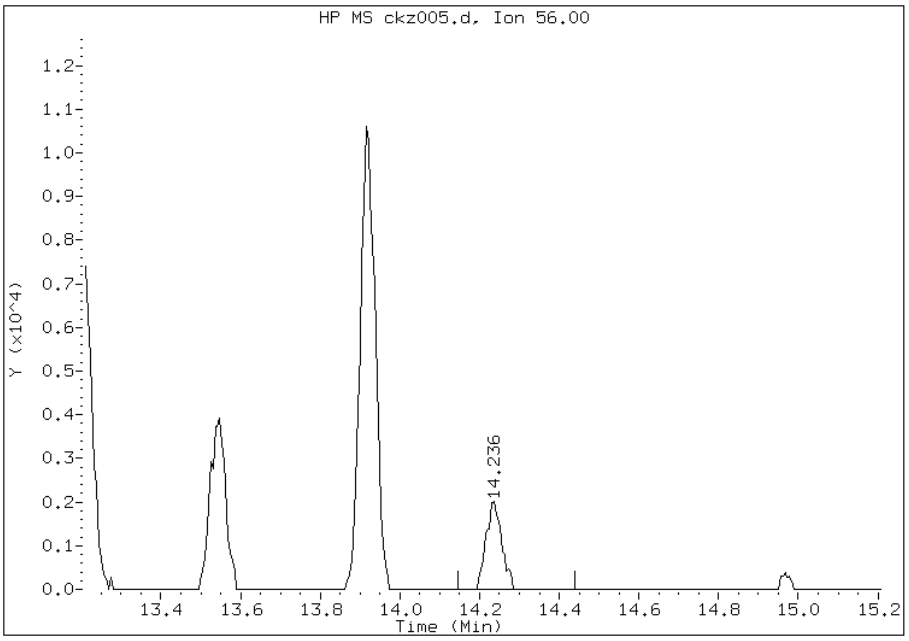
Manual Integration Results

RT: 14.24

Response: 5469

Amount: 0.477130

Conc: 0.477130



File Uploaded By: klp
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz006.d
Lab Smp Id: ic 370619 Client Smp ID: ic 370619
Inj Date : 14-AUG-2012 20:53
Operator : wrd Inst ID: C.i
Smp Info : ic 370619
Misc Info : 200,1,level 3
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:33 klp Quant Type: ISTD
Cal Date : 14-AUG-2012 20:53 Cal File: ckz006.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1 Propene	41	4.213	4.208	(0.348)	127364	5.00000	5.5
2 Dichlorodifluoromethane	85	4.304	4.304	(0.356)	524916	5.00000	5.4
3 Chlorodifluoromethane	51	4.363	4.363	(0.361)	267662	5.00000	5.4
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.651	4.651	(0.384)	517629	5.00000	5.2
5 Chloromethane	50	4.816	4.811	(0.398)	146550	5.00000	5.4
6 Butane	43	5.083	5.078	(0.420)	263379	5.00000	5.5
7 Vinyl chloride	62	5.126	5.121	(0.424)	175401	5.00000	5.2
8 1,3-Butadiene	54	5.222	5.217	(0.432)	128623	5.00000	5.3
9 Bromomethane	94	6.012	6.012	(0.497)	164502	5.00000	5.1
10 Chloroethane	64	6.284	6.284	(0.520)	89570	5.00000	5.3
11 2-Methylbutane	43	6.396	6.396	(0.529)	195472	5.00000	5.3
12 Vinyl bromide	106	6.727	6.727	(0.556)	172557	5.00000	5.0
13 Trichlorofluoromethane	101	6.860	6.860	(0.567)	547854	5.00000	5.3
14 Pentane	43	7.026	7.026	(0.581)	301630	5.00000	5.4

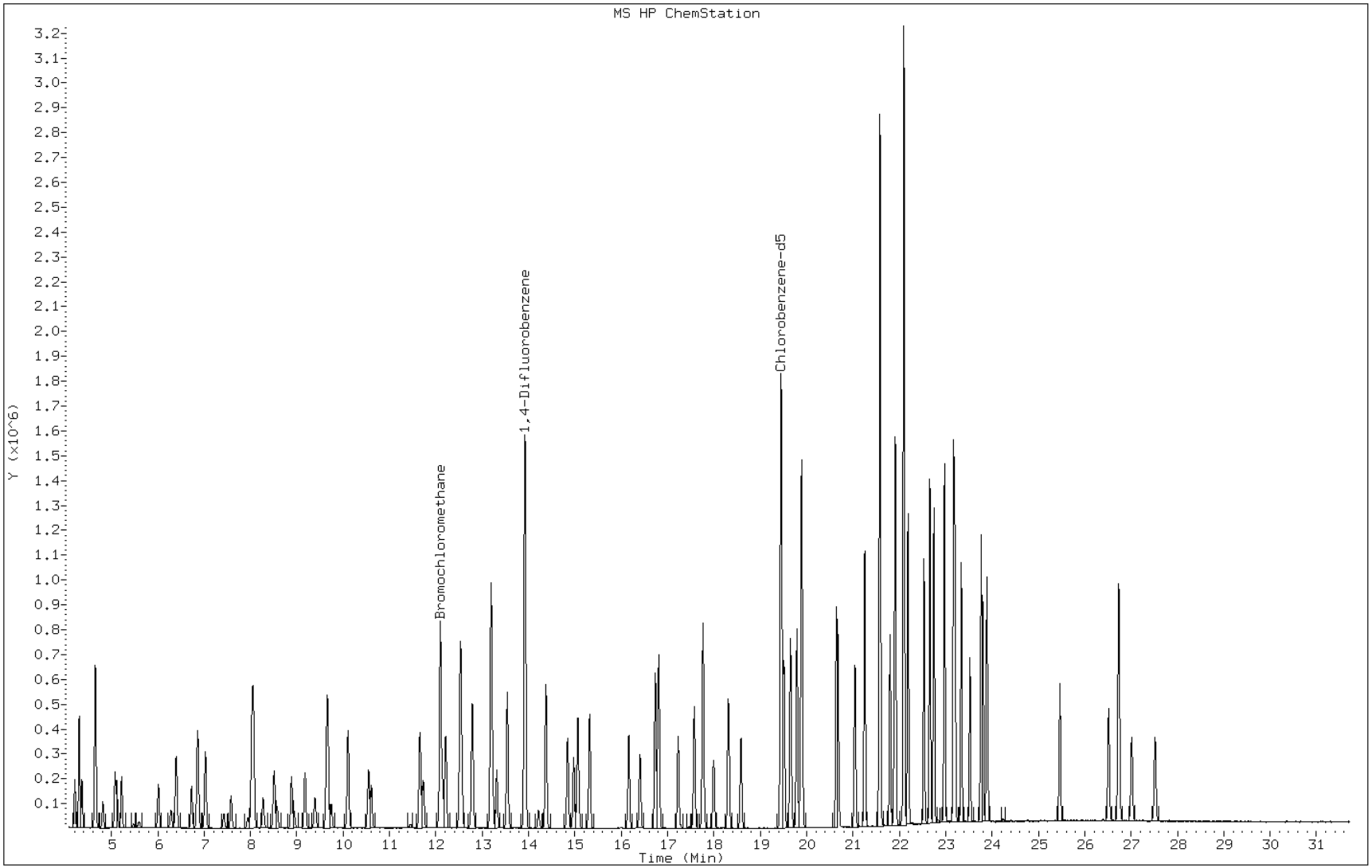
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	15 Ethanol	45	7.426	7.426	(0.614)	90045	10.0000	11
	16 Ethyl ether	59	7.581	7.581	(0.627)	111163	5.00000	5.2
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.040	8.034	(0.665)	365245	5.00000	5.1
	18 Acrolein	56	7.938	7.938	(0.656)	51122	5.00000	5.1
	19 1,1-Dichloroethene	96	8.072	8.072	(0.667)	169248	5.00000	5.0
	20 Acetone	43	8.275	8.269	(0.684)	220856	5.00000	5.6
	21 Carbon disulfide	76	8.509	8.509	(0.704)	489232	5.00000	5.2
	22 Isopropanol	45	8.579	8.573	(0.709)	156350	5.00000	5.7
	23 Allyl chloride	41	8.883	8.883	(0.734)	210440	5.00000	5.3
	24 Acetonitrile	41	8.942	8.942	(0.739)	86464	5.00000	5.4
	25 Methylene chloride	49	9.177	9.177	(0.759)	177376	5.00000	5.3
	26 Tert-butyl alcohol	59	9.390	9.390	(0.776)	234420	5.00000	5.6
	27 Methyl tert-butyl ether	73	9.646	9.641	(0.797)	483116	5.00000	5.1
	28 1,2-Dichloroethene (trans)	61	9.668	9.668	(0.799)	266907	5.00000	5.4
	29 Acrylonitrile	53	9.748	9.748	(0.806)	101040	5.00000	5.3
	30 n-Hexane	57	10.105	10.105	(0.835)	283502	5.00000	5.3
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	337595	5.00000	5.3
	32 Vinyl acetate	43	10.612	10.607	(0.877)	350751	5.00000	5.2
M	33 1,2-Dichloroethene,Total	61				463659	10.0000	10
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	196752	5.00000	5.0
	35 Ethyl acetate	88	11.733	11.728	(0.970)	14712	5.00000	5.0
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.965)	75894	5.00000	5.1
*	37 Bromochloromethane	128	12.096	12.096	(1.000)	355121	10.0000	
	38 Tetrahydrofuran	42	12.144	12.139	(0.872)	165101	5.00000	5.3
	39 Chloroform	83	12.213	12.213	(1.010)	417596	5.00000	5.3
	40 Cyclohexane	84	12.544	12.544	(0.901)	279394	5.00000	5.0
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	473681	5.00000	5.2
	42 Carbon tetrachloride	117	12.784	12.784	(0.918)	498385	5.00000	5.2
	43 2,2,4-Trimethylpentane	57	13.201	13.201	(0.948)	907351	5.00000	5.2
	44 Benzene	78	13.190	13.190	(0.947)	586751	5.00000	5.0
	45 1,2-Dichloroethane	62	13.313	13.318	(0.956)	283185	5.00000	5.3
	46 n-Heptane	43	13.542	13.542	(0.973)	331000	5.00000	5.3
*	47 1,4-Difluorobenzene	114	13.921	13.921	(1.000)	1990694	10.0000	
	48 n-Butanol	56	14.215	14.209	(1.021)	60155	5.00000	5.2
	49 Trichloroethene	95	14.375	14.375	(1.033)	277869	5.00000	5.0
	50 1,2-Dichloropropane	63	14.844	14.844	(1.066)	202786	5.00000	5.2
	51 Methyl methacrylate	69	14.972	14.972	(1.076)	163651	5.00000	4.9
	52 Dibromomethane	174	15.068	15.069	(1.082)	251523	5.00000	5.0
	53 1,4-Dioxane	88	15.047	15.042	(1.081)	74196	5.00000	5.3
	54 Bromodichloromethane	83	15.314	15.319	(1.100)	461707	5.00000	5.3
	55 1,3-Dichloropropene (cis)	75	16.163	16.163	(1.161)	332086	5.00000	5.2
	56 Methyl isobutyl ketone	43	16.403	16.408	(1.178)	292876	5.00000	5.3
	57 n-Octane	43	16.808	16.808	(1.207)	454106	5.00000	5.4
	58 Toluene	92	16.734	16.734	(0.860)	439755	5.00000	5.2
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.238)	329846	5.00000	5.2
	60 1,1,2-Trichloroethane	83	17.577	17.577	(0.904)	199746	5.00000	5.2
	61 Tetrachloroethene	166	17.764	17.764	(0.913)	405766	5.00000	5.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	62 2-Hexanone	43	17.993	17.993	(0.925)	265661	5.00000	5.3
	63 Dibromochloromethane	129	18.313	18.313	(0.942)	450291	5.00000	5.3
	64 1,2-Dibromoethane	107	18.586	18.586	(0.956)	392787	5.00000	5.3
*	65 Chlorobenzene-d5	117	19.450	19.450	(1.000)	1779197	10.0000	
	66 Chlorobenzene	112	19.503	19.509	(1.003)	630032	5.00000	5.1
	67 n-Nonane	57	19.792	19.792	(1.018)	414432	5.00000	5.3
	68 Ethylbenzene	91	19.653	19.653	(1.010)	907186	5.00000	5.1
	69 Xylene (m,p)	106	19.893	19.893	(1.023)	759733	10.0000	10
M	70 Xylenes, Total	106				1129585	5.00000	15
	71 Xylene (o)	106	20.646	20.646	(1.061)	369852	5.00000	5.1
	72 Styrene	104	20.678	20.678	(1.063)	524148	5.00000	5.1
	73 Bromoform	173	21.040	21.041	(1.082)	434651	5.00000	5.3
	74 Isopropylbenzene	105	21.254	21.254	(1.093)	1062326	5.00000	5.1
	75 1,1,2,2-Tetrachloroethane	83	21.798	21.798	(1.121)	488992	5.00000	5.2
	76 n-Propylbenzene	91	21.916	21.916	(1.127)	1215235	5.00000	5.2
	77 1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	400659	5.00000	5.3
	78 n-Decane	57	22.092	22.097	(1.136)	493744	5.00000	5.6
	79 4-Ethyltoluene	105	22.092	22.092	(1.136)	1063720	5.00000	5.3
	80 2-Chlorotoluene	91	22.103	22.103	(1.136)	912240	5.00000	5.3
	81 1,3,5-Trimethylbenzene	105	22.188	22.193	(1.141)	909268	5.00000	5.2
	82 Alpha Methyl Styrene	118	22.535	22.535	(1.159)	432507	5.00000	5.3
	83 tert-butylbenzene	119	22.658	22.658	(1.165)	911084	5.00000	5.2
	84 1,2,4-Trimethylbenzene	105	22.748	22.748	(1.170)	894230	5.00000	5.3
	85 sec-Butylbenzene	105	22.972	22.972	(1.181)	1302558	5.00000	5.3
	86 4-Isopropyltoluene	119	23.170	23.170	(1.191)	1109988	5.00000	5.3
	87 1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	610301	5.00000	5.1
	88 1,4-Dichlorobenzene	146	23.335	23.335	(1.200)	584758	5.00000	5.1
	89 Benzyl chloride	91	23.522	23.522	(1.209)	634101	5.00000	5.1
	90 Undecane	57	23.805	23.805	(1.224)	376487	5.00000	4.6(a)
	91 n-Butylbenzene	91	23.768	23.768	(1.222)	837955	5.00000	5.3
	92 1,2-Dichlorobenzene	146	23.890	23.890	(1.228)	573557	5.00000	5.2
	93 Dodecane	57	25.465	25.465	(1.309)	265689	5.00000	5.7
	94 1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	258080	5.00000	5.2
	95 1,3-Hexachlorobutadiene	225	26.735	26.735	(1.375)	339968	5.00000	5.4
	96 Naphthalene	128	27.012	27.012	(1.389)	511479	5.00000	5.2
	97 1,2,3-Trichlorobenzene	180	27.519	27.514	(1.415)	208922	5.00000	5.5

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	ckz006.d	Date:	14-AUG-2012 20:53
Client ID:	ic 370619	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 370619		
Lab Sample ID:	ic 370619		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz008.d
Lab Smp Id: ic 370603 Client Smp ID: ic 370603
Inj Date : 14-AUG-2012 22:41
Operator : wrd Inst ID: C.i
Smp Info : ic 370603
Misc Info : 200,1,level 5
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:33 klp Quant Type: ISTD
Cal Date : 14-AUG-2012 22:41 Cal File: ckz008.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

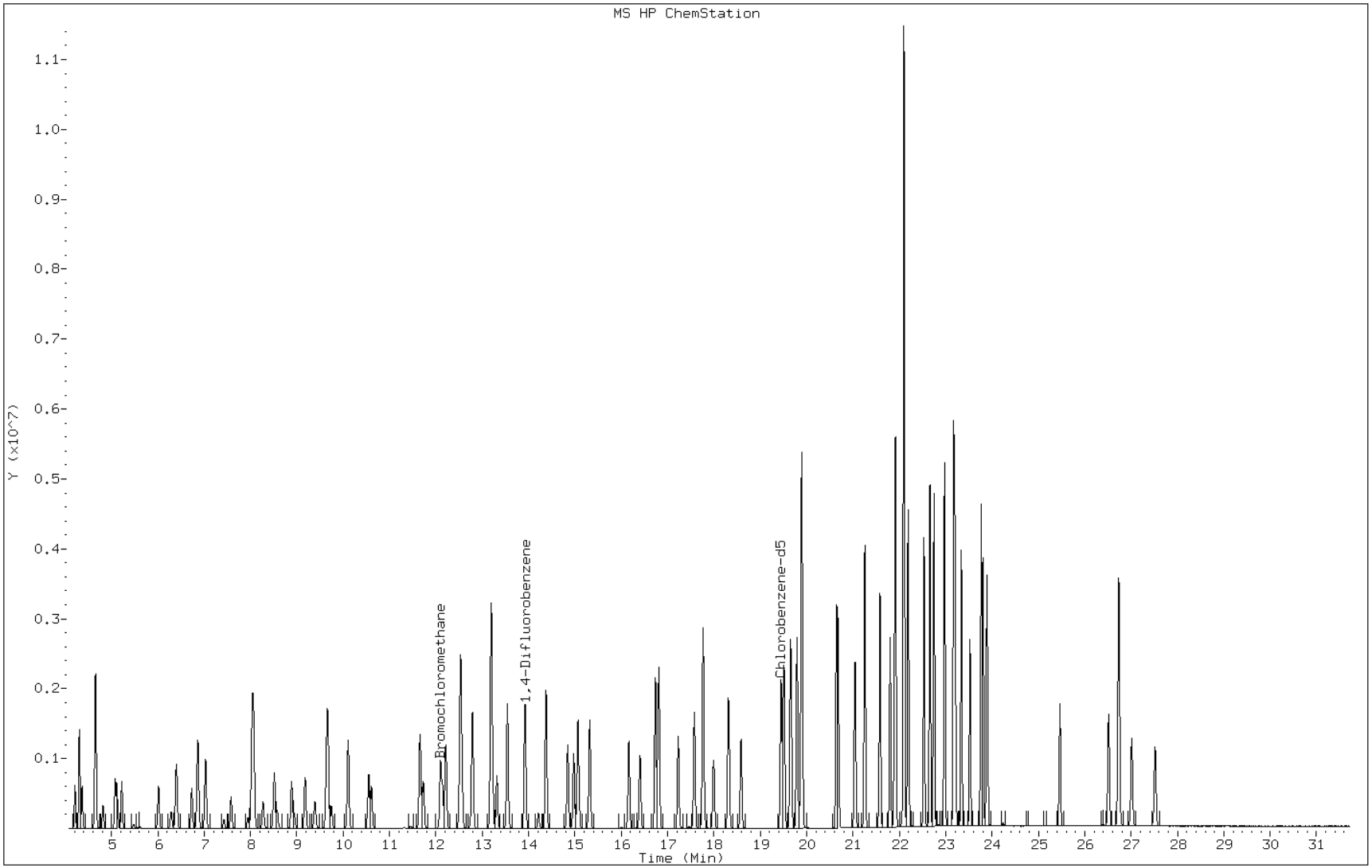
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1 Propene	41	4.213	4.208	(0.348)	393566	15.0000	15
2 Dichlorodifluoromethane	85	4.309	4.304	(0.356)	1687394	15.0000	15
3 Chlorodifluoromethane	51	4.368	4.363	(0.361)	840224	15.0000	15
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.656	4.651	(0.385)	1747564	15.0000	15
5 Chloromethane	50	4.816	4.811	(0.398)	466665	15.0000	15
6 Butane	43	5.083	5.078	(0.420)	840295	15.0000	15
7 Vinyl chloride	62	5.126	5.121	(0.424)	586988	15.0000	15
8 1,3-Butadiene	54	5.222	5.217	(0.432)	428417	15.0000	15
9 Bromomethane	94	6.017	6.012	(0.497)	569942	15.0000	15
10 Chloroethane	64	6.289	6.284	(0.520)	302553	15.0000	15
11 2-Methylbutane	43	6.401	6.396	(0.529)	622540	15.0000	14
12 Vinyl bromide	106	6.732	6.727	(0.557)	611435	15.0000	15
13 Trichlorofluoromethane	101	6.860	6.860	(0.567)	1783517	15.0000	15
14 Pentane	43	7.031	7.026	(0.581)	986163	15.0000	15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	15 Ethanol	45	7.426	7.426	(0.614)	195794	20.0000	20
	16 Ethyl ether	59	7.581	7.581	(0.627)	386647	15.0000	15
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.040	8.034	(0.665)	1247555	15.0000	15
	18 Acrolein	56	7.944	7.938	(0.657)	185751	15.0000	16
	19 1,1-Dichloroethene	96	8.072	8.072	(0.667)	590970	15.0000	15
	20 Acetone	43	8.269	8.269	(0.684)	695313	15.0000	15
	21 Carbon disulfide	76	8.515	8.509	(0.704)	1679909	15.0000	15
	22 Isopropanol	45	8.579	8.573	(0.709)	491424	15.0000	15
	23 Allyl chloride	41	8.888	8.883	(0.735)	708216	15.0000	15
	24 Acetonitrile	41	8.947	8.942	(0.740)	308270	15.0000	16
	25 Methylene chloride	49	9.182	9.177	(0.759)	564476	15.0000	14
	26 Tert-butyl alcohol	59	9.390	9.390	(0.776)	736341	15.0000	15
	27 Methyl tert-butyl ether	73	9.646	9.641	(0.797)	1691850	15.0000	15
	28 1,2-Dichloroethene (trans)	61	9.668	9.668	(0.799)	878373	15.0000	15
	29 Acrylonitrile	53	9.742	9.748	(0.805)	352996	15.0000	16
	30 n-Hexane	57	10.105	10.105	(0.835)	943974	15.0000	15
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	1108709	15.0000	15
	32 Vinyl acetate	43	10.612	10.607	(0.877)	1239854	15.0000	16
M	33 1,2-Dichloroethene,Total	61				1557949	30.0000	30
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	679576	15.0000	15
	35 Ethyl acetate	88	11.733	11.728	(0.970)	53550	15.0000	16
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.965)	270226	15.0000	15
*	37 Bromochloromethane	128	12.096	12.096	(1.000)	416789	10.0000	
	38 Tetrahydrofuran	42	12.144	12.139	(0.872)	555906	15.0000	15
	39 Chloroform	83	12.213	12.213	(1.010)	1384145	15.0000	15
	40 Cyclohexane	84	12.544	12.544	(0.901)	969727	15.0000	15
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	1556934	15.0000	15
	42 Carbon tetrachloride	117	12.790	12.784	(0.918)	1670958	15.0000	15
	43 2,2,4-Trimethylpentane	57	13.201	13.201	(0.948)	3023710	15.0000	15
	44 Benzene	78	13.195	13.190	(0.947)	2008021	15.0000	15
	45 1,2-Dichloroethane	62	13.318	13.318	(0.956)	905678	15.0000	15
	46 n-Heptane	43	13.547	13.542	(0.973)	1066712	15.0000	15
*	47 1,4-Difluorobenzene	114	13.926	13.921	(1.000)	2307077	10.0000	
	48 n-Butanol	56	14.215	14.209	(1.021)	189079	15.0000	14
	49 Trichloroethene	95	14.380	14.375	(1.033)	947186	15.0000	15
	50 1,2-Dichloropropane	63	14.844	14.844	(1.066)	680514	15.0000	15
	51 Methyl methacrylate	69	14.972	14.972	(1.075)	623788	15.0000	16
	52 Dibromomethane	174	15.069	15.069	(1.082)	905001	15.0000	15
	53 1,4-Dioxane	88	15.047	15.042	(1.080)	246521	15.0000	15
	54 Bromodichloromethane	83	15.319	15.319	(1.100)	1555426	15.0000	15
	55 1,3-Dichloropropene (cis)	75	16.163	16.163	(1.161)	1150398	15.0000	15
	56 Methyl isobutyl ketone	43	16.403	16.408	(1.178)	1032913	15.0000	16
	57 n-Octane	43	16.808	16.808	(1.207)	1463679	15.0000	15
	58 Toluene	92	16.739	16.734	(0.861)	1532941	15.0000	15
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.237)	1166001	15.0000	16
	60 1,1,2-Trichloroethane	83	17.577	17.577	(0.904)	691388	15.0000	15
	61 Tetrachloroethene	166	17.769	17.764	(0.914)	1450848	15.0000	15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	62 2-Hexanone	43	17.993	17.993	(0.925)	944792	15.0000	16
	63 Dibromochloromethane	129	18.313	18.313	(0.942)	1641809	15.0000	16
	64 1,2-Dibromoethane	107	18.586	18.586	(0.956)	1399518	15.0000	16
*	65 Chlorobenzene-d5	117	19.450	19.450	(1.000)	2113823	10.0000	
	66 Chlorobenzene	112	19.509	19.509	(1.003)	2246719	15.0000	15
	67 n-Nonane	57	19.792	19.792	(1.018)	1435289	15.0000	15
	68 Ethylbenzene	91	19.658	19.653	(1.011)	3302057	15.0000	15
	69 Xylene (m,p)	106	19.893	19.893	(1.023)	2823904	30.0000	32
M	70 Xylenes, Total	106				4192071	15.0000	48
	71 Xylene (o)	106	20.646	20.646	(1.061)	1368167	15.0000	16
	72 Styrene	104	20.678	20.678	(1.063)	2075226	15.0000	17
	73 Bromoform	173	21.046	21.041	(1.082)	1659606	15.0000	17
	74 Isopropylbenzene	105	21.254	21.254	(1.093)	3947303	15.0000	16
	75 1,1,2,2-Tetrachloroethane	83	21.798	21.798	(1.121)	1773677	15.0000	16
	76 n-Propylbenzene	91	21.916	21.916	(1.127)	4524580	15.0000	16
	77 1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	1415521	15.0000	16
	78 n-Decane	57	22.097	22.097	(1.136)	1716815	15.0000	16
	79 4-Ethyltoluene	105	22.092	22.092	(1.136)	4036789	15.0000	17
	80 2-Chlorotoluene	91	22.103	22.103	(1.136)	3245736	15.0000	16
	81 1,3,5-Trimethylbenzene	105	22.193	22.193	(1.141)	3400461	15.0000	16
	82 Alpha Methyl Styrene	118	22.535	22.535	(1.159)	1719742	15.0000	18
	83 tert-butylbenzene	119	22.663	22.658	(1.165)	3380018	15.0000	16
	84 1,2,4-Trimethylbenzene	105	22.748	22.748	(1.170)	3368303	15.0000	17
	85 sec-Butylbenzene	105	22.978	22.972	(1.181)	4835073	15.0000	16
	86 4-Isopropyltoluene	119	23.175	23.170	(1.192)	4254247	15.0000	17
	87 1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	2329856	15.0000	16
	88 1,4-Dichlorobenzene	146	23.341	23.335	(1.200)	2258369	15.0000	16
	89 Benzyl chloride	91	23.527	23.522	(1.210)	2604019	15.0000	18
	90 Undecane	57	23.805	23.805	(1.224)	1633244	15.0000	17
	91 n-Butylbenzene	91	23.768	23.768	(1.222)	3339168	15.0000	18
	92 1,2-Dichlorobenzene	146	23.890	23.890	(1.228)	2181647	15.0000	17
	93 Dodecane	57	25.465	25.465	(1.309)	857889	15.0000	15
	94 1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	934260	15.0000	16
	95 1,3-Hexachlorobutadiene	225	26.735	26.735	(1.375)	1271862	15.0000	17
	96 Naphthalene	128	27.012	27.012	(1.389)	1889409	15.0000	16
	97 1,2,3-Trichlorobenzene	180	27.520	27.514	(1.415)	729064	15.0000	16

Data File:	ckz008.d	Date:	14-AUG-2012 22:41
Client ID:	ic 370603	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 370603		
Lab Sample ID:	ic 370603		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz009.d
Lab Smp Id: ic 370601 Client Smp ID: ic 370601
Inj Date : 14-AUG-2012 23:34
Operator : wrd Inst ID: C.i
Smp Info : ic 370601
Misc Info : 200,1,level 6
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:33 klp Quant Type: ISTD
Cal Date : 14-AUG-2012 23:34 Cal File: ckz009.d
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

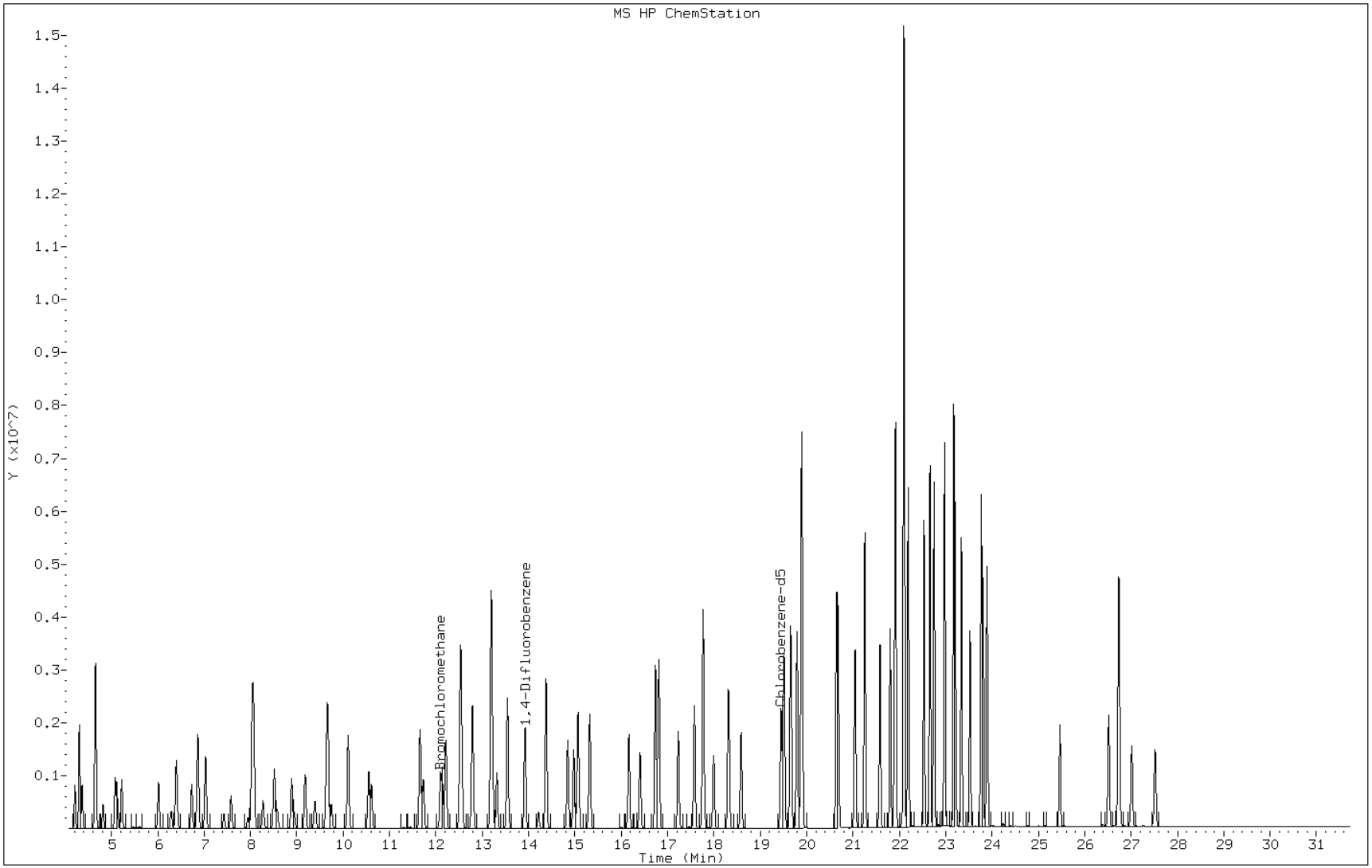
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	4.213	4.208	(0.348)	536817	20.0000	18
2 Dichlorodifluoromethane	85	4.304	4.304	(0.356)	2373061	20.0000	19
3 Chlorodifluoromethane	51	4.368	4.363	(0.361)	1148663	20.0000	18
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.656	4.651	(0.385)	2457381	20.0000	19
5 Chloromethane	50	4.816	4.811	(0.398)	642841	20.0000	18
6 Butane	43	5.083	5.078	(0.420)	1136393	20.0000	18
7 Vinyl chloride	62	5.126	5.121	(0.424)	817235	20.0000	19
8 1,3-Butadiene	54	5.222	5.217	(0.432)	594316	20.0000	19
9 Bromomethane	94	6.017	6.012	(0.497)	828656	20.0000	20
10 Chloroethane	64	6.289	6.284	(0.520)	423646	20.0000	19
11 2-Methylbutane	43	6.401	6.396	(0.529)	867881	20.0000	18
12 Vinyl bromide	106	6.732	6.727	(0.556)	887634	20.0000	20
13 Trichlorofluoromethane	101	6.866	6.860	(0.567)	2496706	20.0000	19
14 Pentane	43	7.031	7.026	(0.581)	1363630	20.0000	19

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	15 Ethanol	45	7.431	7.426	(0.614)	423287	40.0000	40
	16 Ethyl ether	59	7.581	7.581	(0.626)	539131	20.0000	20
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.040	8.034	(0.664)	1785541	20.0000	19
	18 Acrolein	56	7.944	7.938	(0.656)	256344	20.0000	20
	19 1,1-Dichloroethene	96	8.077	8.072	(0.667)	845197	20.0000	19
	20 Acetone	43	8.269	8.269	(0.683)	929650	20.0000	18
	21 Carbon disulfide	76	8.515	8.509	(0.704)	2418141	20.0000	20
	22 Isopropanol	45	8.579	8.573	(0.709)	682994	20.0000	19
	23 Allyl chloride	41	8.888	8.883	(0.734)	979703	20.0000	19
	24 Acetonitrile	41	8.947	8.942	(0.739)	377267	20.0000	18
	25 Methylene chloride	49	9.182	9.177	(0.759)	785574	20.0000	18
	26 Tert-butyl alcohol	59	9.390	9.390	(0.776)	1011441	20.0000	19
	27 Methyl tert-butyl ether	73	9.646	9.641	(0.797)	2358384	20.0000	20
	28 1,2-Dichloroethene (trans)	61	9.667	9.668	(0.799)	1221256	20.0000	19
	29 Acrylonitrile	53	9.748	9.748	(0.806)	489994	20.0000	20
	30 n-Hexane	57	10.105	10.105	(0.835)	1328827	20.0000	19
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	1557111	20.0000	19
	32 Vinyl acetate	43	10.612	10.607	(0.877)	1709438	20.0000	20
M	33 1,2-Dichloroethene,Total	61				2203606	40.0000	38
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	982350	20.0000	19
	35 Ethyl acetate	88	11.728	11.728	(0.969)	76824	20.0000	20
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.965)	383108	20.0000	20
*	37 Bromochloromethane	128	12.101	12.096	(1.000)	456908	10.0000	
	38 Tetrahydrofuran	42	12.144	12.139	(0.872)	761622	20.0000	19
	39 Chloroform	83	12.213	12.213	(1.009)	1948138	20.0000	19
	40 Cyclohexane	84	12.549	12.544	(0.901)	1382842	20.0000	20
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	2183499	20.0000	19
	42 Carbon tetrachloride	117	12.790	12.784	(0.918)	2345482	20.0000	19
	43 2,2,4-Trimethylpentane	57	13.201	13.201	(0.948)	4262374	20.0000	19
	44 Benzene	78	13.195	13.190	(0.947)	2874734	20.0000	19
	45 1,2-Dichloroethane	62	13.318	13.318	(0.956)	1254053	20.0000	19
	46 n-Heptane	43	13.547	13.542	(0.973)	1481103	20.0000	19
*	47 1,4-Difluorobenzene	114	13.926	13.921	(1.000)	2508517	10.0000	
	48 n-Butanol	56	14.215	14.209	(1.021)	272944	20.0000	19
	49 Trichloroethene	95	14.380	14.375	(1.033)	1365930	20.0000	20
	50 1,2-Dichloropropane	63	14.844	14.844	(1.066)	969733	20.0000	20
	51 Methyl methacrylate	69	14.972	14.972	(1.075)	894560	20.0000	21
	52 Dibromomethane	174	15.068	15.069	(1.082)	1316604	20.0000	21
	53 1,4-Dioxane	88	15.042	15.042	(1.080)	350811	20.0000	20
	54 Bromodichloromethane	83	15.319	15.319	(1.100)	2191881	20.0000	20
	55 1,3-Dichloropropene (cis)	75	16.163	16.163	(1.161)	1632459	20.0000	20
	56 Methyl isobutyl ketone	43	16.408	16.408	(1.178)	1403370	20.0000	20
	57 n-Octane	43	16.808	16.808	(1.207)	2020913	20.0000	19
	58 Toluene	92	16.739	16.734	(0.861)	2202530	20.0000	20
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.237)	1641621	20.0000	20
	60 1,1,2-Trichloroethane	83	17.577	17.577	(0.904)	983941	20.0000	20
	61 Tetrachloroethene	166	17.769	17.764	(0.914)	2104727	20.0000	20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	62 2-Hexanone	43	17.993	17.993	(0.925)	1296084	20.0000	20
	63 Dibromochloromethane	129	18.313	18.313	(0.942)	2365702	20.0000	22
	64 1,2-Dibromoethane	107	18.585	18.586	(0.956)	2002421	20.0000	21
*	65 Chlorobenzene-d5	117	19.450	19.450	(1.000)	2282236	10.0000	
	66 Chlorobenzene	112	19.509	19.509	(1.003)	3211968	20.0000	20
	67 n-Nonane	57	19.792	19.792	(1.018)	1978008	20.0000	20
	68 Ethylbenzene	91	19.658	19.653	(1.011)	4678329	20.0000	20
	69 Xylene (m,p)	106	19.893	19.893	(1.023)	3957139	40.0000	41
M	70 Xylenes, Total	106				5884002	20.0000	62
	71 Xylene (o)	106	20.645	20.646	(1.061)	1926863	20.0000	21
	72 Styrene	104	20.678	20.678	(1.063)	2968156	20.0000	23
	73 Bromoform	173	21.046	21.041	(1.082)	2366238	20.0000	22
	74 Isopropylbenzene	105	21.254	21.254	(1.093)	5562721	20.0000	21
	75 1,1,2,2-Tetrachloroethane	83	21.804	21.798	(1.121)	2472348	20.0000	20
	76 n-Propylbenzene	91	21.921	21.916	(1.127)	6298984	20.0000	21
	77 1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	1940206	20.0000	20
	78 n-Decane	57	22.097	22.097	(1.136)	2246198	20.0000	20
	79 4-Ethyltoluene	105	22.092	22.092	(1.136)	5577490	20.0000	22
	80 2-Chlorotoluene	91	22.102	22.103	(1.136)	4462218	20.0000	20
	81 1,3,5-Trimethylbenzene	105	22.193	22.193	(1.141)	4736016	20.0000	21
	82 Alpha Methyl Styrene	118	22.535	22.535	(1.159)	2451434	20.0000	23
	83 tert-butylbenzene	119	22.663	22.658	(1.165)	4720355	20.0000	21
	84 1,2,4-Trimethylbenzene	105	22.748	22.748	(1.170)	4652357	20.0000	21
	85 sec-Butylbenzene	105	22.978	22.972	(1.181)	6735894	20.0000	21
	86 4-Isopropyltoluene	119	23.175	23.170	(1.192)	5915135	20.0000	22
	87 1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	3255522	20.0000	21
	88 1,4-Dichlorobenzene	146	23.341	23.335	(1.200)	3174265	20.0000	21
	89 Benzyl chloride	91	23.527	23.522	(1.210)	3648254	20.0000	23
	90 Undecane	57	23.805	23.805	(1.224)	2023452	20.0000	19
	91 n-Butylbenzene	91	23.768	23.768	(1.222)	4559870	20.0000	23
	92 1,2-Dichlorobenzene	146	23.896	23.890	(1.229)	3027941	20.0000	21
	93 Dodecane	57	25.465	25.465	(1.309)	933475	20.0000	15
	94 1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	1228920	20.0000	19
	95 1,3-Hexachlorobutadiene	225	26.740	26.735	(1.375)	1712222	20.0000	21
	96 Naphthalene	128	27.012	27.012	(1.389)	2318811	20.0000	18
	97 1,2,3-Trichlorobenzene	180	27.519	27.514	(1.415)	944178	20.0000	19

Data File:	ckz009.d	Date:	14-AUG-2012 23:34
Client ID:	ic 370601	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 370601		
Lab Sample ID:	ic 370601		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz010.d
Lab Smp Id: ic 370600 Client Smp ID: ic 370600
Inj Date : 15-AUG-2012 00:28
Operator : wrd Inst ID: C.i
Smp Info : ic 370600
Misc Info : 200,1,level 7
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:34 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 00:28 Cal File: ckz010.d
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	4.208	4.208	(0.348)	1063874	40.0000	33
2 Dichlorodifluoromethane	85	4.304	4.304	(0.356)	4827325	40.0000	36
3 Chlorodifluoromethane	51	4.362	4.363	(0.360)	2318035	40.0000	34
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.651	4.651	(0.384)	5017164	40.0000	36
5 Chloromethane	50	4.811	4.811	(0.398)	1299651	40.0000	35
6 Butane	43	5.078	5.078	(0.420)	2269233	40.0000	34
7 Vinyl chloride	62	5.120	5.121	(0.423)	1662035	40.0000	36
8 1,3-Butadiene	54	5.222	5.217	(0.432)	1204410	40.0000	36
9 Bromomethane	94	6.012	6.012	(0.497)	1693799	40.0000	38
10 Chloroethane	64	6.284	6.284	(0.519)	868559	40.0000	37
11 2-Methylbutane	43	6.401	6.396	(0.529)	1741356	40.0000	34
12 Vinyl bromide	106	6.732	6.727	(0.556)	1848007	40.0000	39
13 Trichlorofluoromethane	101	6.860	6.860	(0.567)	5120772	40.0000	36
14 Pentane	43	7.031	7.026	(0.581)	2739630	40.0000	35

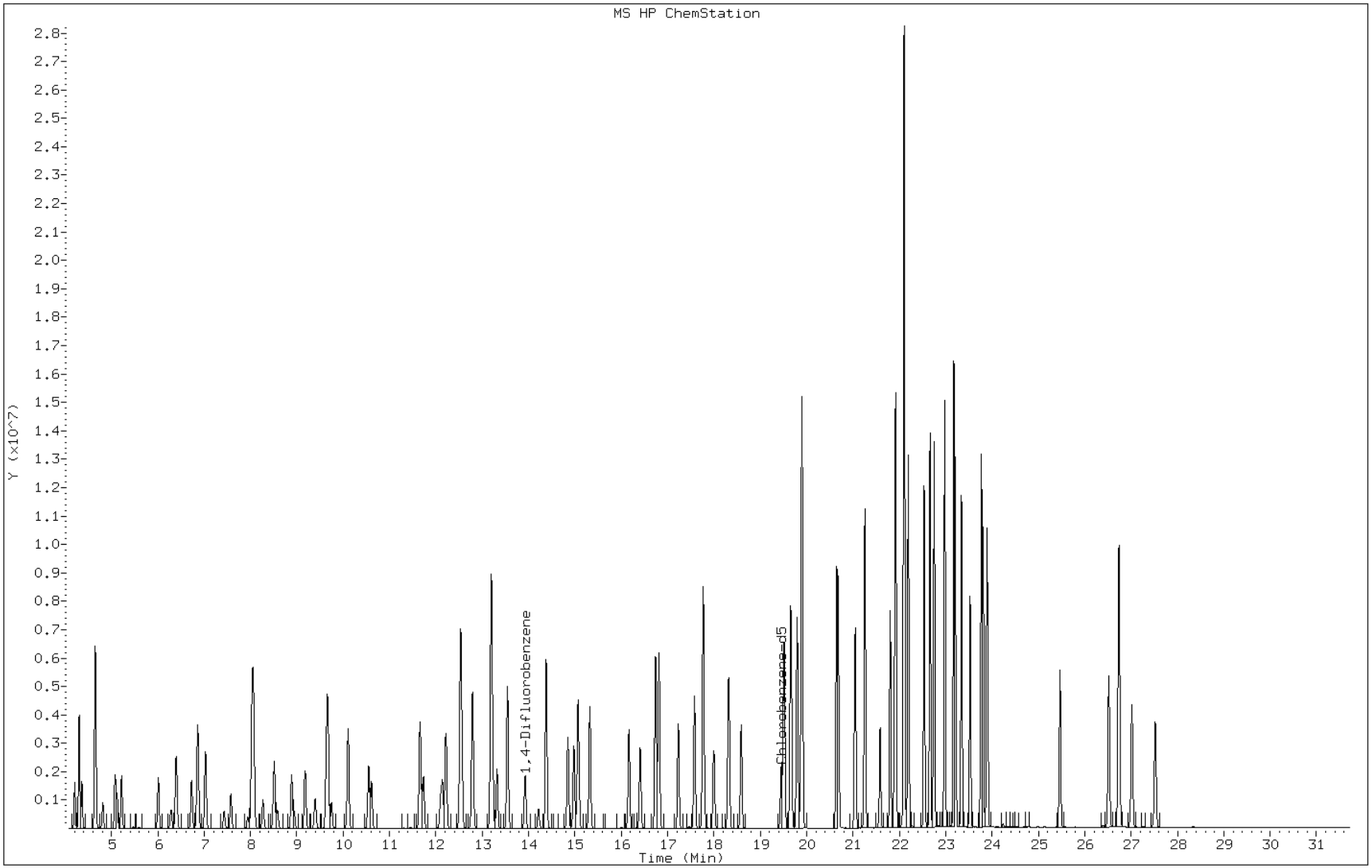
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	15 Ethanol	45	7.431	7.426	(0.614)	996073	100.000	86
	16 Ethyl ether	59	7.575	7.581	(0.626)	1067046	40.0000	36
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.040	8.034	(0.664)	3705569	40.0000	37
	18 Acrolein	56	7.943	7.938	(0.656)	514321	40.0000	37
	19 1,1-Dichloroethene	96	8.072	8.072	(0.667)	1782667	40.0000	38
	20 Acetone	43	8.269	8.269	(0.683)	1808368	40.0000	33
	21 Carbon disulfide	76	8.509	8.509	(0.703)	5052073	40.0000	38
	22 Isopropanol	45	8.579	8.573	(0.709)	1296594	40.0000	34
	23 Allyl chloride	41	8.883	8.883	(0.734)	2000333	40.0000	36
	24 Acetonitrile	41	8.947	8.942	(0.739)	825669	40.0000	37
	25 Methylene chloride	49	9.176	9.177	(0.758)	1581183	40.0000	34
	26 Tert-butyl alcohol	59	9.390	9.390	(0.776)	2093862	40.0000	36
	27 Methyl tert-butyl ether	73	9.641	9.641	(0.797)	4738158	40.0000	36
	28 1,2-Dichloroethene (trans)	61	9.673	9.668	(0.799)	2496079	40.0000	36
	29 Acrylonitrile	53	9.747	9.748	(0.806)	1011403	40.0000	38
	30 n-Hexane	57	10.105	10.105	(0.835)	2722223	40.0000	37
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	3198805	40.0000	36
	32 Vinyl acetate	43	10.612	10.607	(0.877)	3384215	40.0000	36
M	33 1,2-Dichloroethene,Total	61				4547164	80.0000	74
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	2051085	40.0000	37
	35 Ethyl acetate	88	11.733	11.728	(0.970)	158228	40.0000	39
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.965)	758972	40.0000	37
*	37 Bromochloromethane	128	12.101	12.096	(1.000)	491751	10.0000	
	38 Tetrahydrofuran	42	12.144	12.139	(0.872)	1491236	40.0000	39
	39 Chloroform	83	12.213	12.213	(1.009)	4005308	40.0000	36
	40 Cyclohexane	84	12.549	12.544	(0.901)	2875788	40.0000	42(A)
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	4498299	40.0000	40(A)
	42 Carbon tetrachloride	117	12.789	12.784	(0.918)	4919166	40.0000	42(A)
	43 2,2,4-Trimethylpentane	57	13.206	13.201	(0.948)	8653827	40.0000	40(A)
	44 Benzene	78	13.195	13.190	(0.947)	5861699	40.0000	41(A)
	45 1,2-Dichloroethane	62	13.318	13.318	(0.956)	2518111	40.0000	39
	46 n-Heptane	43	13.547	13.542	(0.973)	2965258	40.0000	39
*	47 1,4-Difluorobenzene	114	13.926	13.921	(1.000)	2439004	10.0000	
	48 n-Butanol	56	14.214	14.209	(1.021)	604323	40.0000	43(A)
	49 Trichloroethene	95	14.380	14.375	(1.033)	2858818	40.0000	42(A)
	50 1,2-Dichloropropane	63	14.849	14.844	(1.066)	1910510	40.0000	40
	51 Methyl methacrylate	69	14.978	14.972	(1.075)	1818413	40.0000	44(A)
	52 Dibromomethane	174	15.074	15.069	(1.082)	2799296	40.0000	45(A)
	53 1,4-Dioxane	88	15.047	15.042	(1.080)	650303	40.0000	38
	54 Bromodichloromethane	83	15.319	15.319	(1.100)	4405637	40.0000	41(A)
	55 1,3-Dichloropropene (cis)	75	16.162	16.163	(1.161)	3289522	40.0000	42(A)
	56 Methyl isobutyl ketone	43	16.408	16.408	(1.178)	2777113	40.0000	41(A)
	57 n-Octane	43	16.808	16.808	(1.207)	3915874	40.0000	38
	58 Toluene	92	16.739	16.734	(0.860)	4448120	40.0000	41(A)
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.237)	3332037	40.0000	43(A)
	60 1,1,2-Trichloroethane	83	17.582	17.577	(0.904)	1959711	40.0000	40(A)
	61 Tetrachloroethene	166	17.769	17.764	(0.913)	4431081	40.0000	44(A)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	62 2-Hexanone	43	17.993	17.993	(0.925)	2641748	40.0000	42(A)
	63 Dibromochloromethane	129	18.318	18.313	(0.942)	4844163	40.0000	45(A)
	64 1,2-Dibromoethane	107	18.591	18.586	(0.956)	4055501	40.0000	43(A)
*	65 Chlorobenzene-d5	117	19.455	19.450	(1.000)	2239520	10.0000	
	66 Chlorobenzene	112	19.514	19.509	(1.003)	6576503	40.0000	42(A)
	67 n-Nonane	57	19.797	19.792	(1.018)	3985736	40.0000	41(A)
	68 Ethylbenzene	91	19.658	19.653	(1.010)	9709309	40.0000	43(A)
	69 Xylene (m,p)	106	19.893	19.893	(1.022)	8239271	80.0000	88(A)
M	70 Xylenes, Total	106				12199098	40.0000	130
	71 Xylene (o)	106	20.645	20.646	(1.061)	3959827	40.0000	43(A)
	72 Styrene	104	20.683	20.678	(1.063)	6341806	40.0000	49(A)
	73 Bromoform	173	21.046	21.041	(1.082)	4995494	40.0000	48(A)
	74 Isopropylbenzene	105	21.259	21.254	(1.093)	11685494	40.0000	45(A)
	75 1,1,2,2-Tetrachloroethane	83	21.803	21.798	(1.121)	5061975	40.0000	43(A)
	76 n-Propylbenzene	91	21.921	21.916	(1.127)	13121769	40.0000	45(A)
	77 1,2,3-Trichloropropane	75	21.905	21.900	(1.126)	3884902	40.0000	41(A)
	78 n-Decane	57	22.097	22.097	(1.136)	4089282	40.0000	37
	79 4-Ethyltoluene	105	22.097	22.092	(1.136)	11374226	40.0000	45(A)
	80 2-Chlorotoluene	91	22.108	22.103	(1.136)	8882480	40.0000	41(A)
	81 1,3,5-Trimethylbenzene	105	22.193	22.193	(1.141)	10066067	40.0000	46(A)
	82 Alpha Methyl Styrene	118	22.535	22.535	(1.158)	5316033	40.0000	52(A)
	83 tert-butylbenzene	119	22.663	22.658	(1.165)	9938298	40.0000	45(A)
	84 1,2,4-Trimethylbenzene	105	22.748	22.748	(1.169)	9966136	40.0000	47(A)
	85 sec-Butylbenzene	105	22.978	22.972	(1.181)	14311357	40.0000	46(A)
	86 4-Isopropyltoluene	119	23.175	23.170	(1.191)	12663046	40.0000	48(A)
	87 1,3-Dichlorobenzene	146	23.207	23.202	(1.193)	7188170	40.0000	48(A)
	88 1,4-Dichlorobenzene	146	23.340	23.335	(1.200)	7057943	40.0000	49(A)
	89 Benzyl chloride	91	23.527	23.522	(1.209)	8071371	40.0000	51(A)
	90 Undecane	57	23.810	23.805	(1.224)	4678209	40.0000	45(A)
	91 n-Butylbenzene	91	23.767	23.768	(1.222)	9769839	40.0000	49(A)
	92 1,2-Dichlorobenzene	146	23.895	23.890	(1.228)	6658200	40.0000	48(A)
	93 Dodecane	57	25.465	25.465	(1.309)	2701195	40.0000	46(A)
	94 1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	3207300	40.0000	51(A)
	95 1,3-Hexachlorobutadiene	225	26.740	26.735	(1.374)	3660873	40.0000	46(A)
	96 Naphthalene	128	27.018	27.012	(1.389)	6659792	40.0000	54(A)
	97 1,2,3-Trichlorobenzene	180	27.519	27.514	(1.414)	2427773	40.0000	51(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File:	ckz010.d	Date:	15-AUG-2012 00:28
Client ID:	ic 370600	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ic 370600		
Lab Sample ID:	ic 370600		



TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz015.d
Lab Smp Id: icis 370604 Client Smp ID: icis 370604
Inj Date : 15-AUG-2012 08:24
Operator : wrd Inst ID: C.i
Smp Info : icis 370604
Misc Info : 200,1,level 4
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:34 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

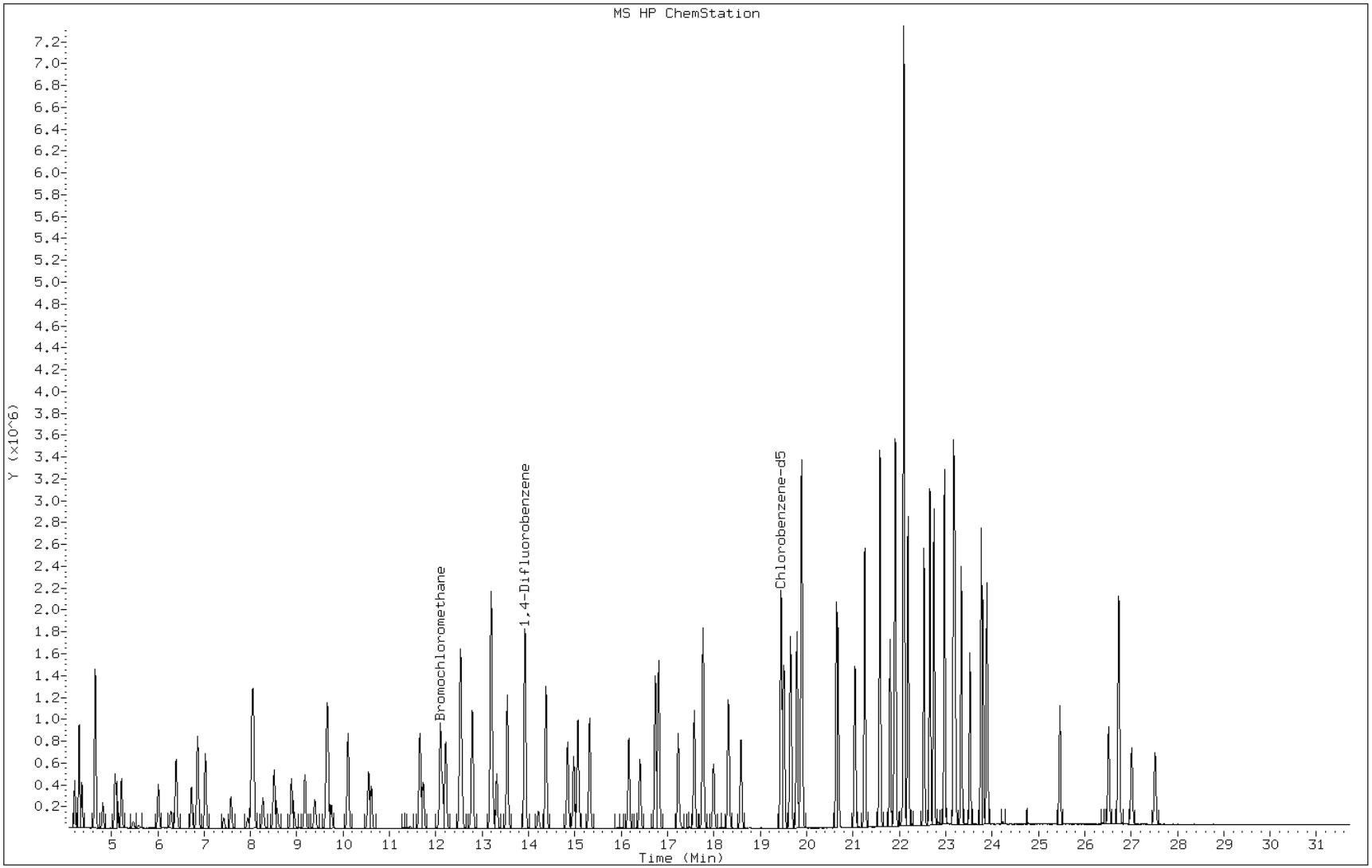
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1 Propene	41	4.208	4.208	(0.348)	283059	10.0000	10
2 Dichlorodifluoromethane	85	4.304	4.304	(0.356)	1129574	10.0000	9.8
3 Chlorodifluoromethane	51	4.363	4.363	(0.361)	577311	10.0000	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.651	4.651	(0.384)	1151940	10.0000	9.8
5 Chloromethane	50	4.811	4.811	(0.398)	325650	10.0000	10
6 Butane	43	5.078	5.078	(0.420)	590701	10.0000	10
7 Vinyl chloride	62	5.121	5.121	(0.423)	396687	10.0000	10
8 1,3-Butadiene	54	5.217	5.217	(0.431)	290672	10.0000	10
9 Bromomethane	94	6.012	6.012	(0.497)	379780	10.0000	9.9
10 Chloroethane	64	6.284	6.284	(0.520)	202738	10.0000	10
11 2-Methylbutane	43	6.396	6.396	(0.529)	426219	10.0000	9.9
12 Vinyl bromide	106	6.727	6.727	(0.556)	402574	10.0000	9.8
13 Trichlorofluoromethane	101	6.860	6.860	(0.567)	1161002	10.0000	9.6
14 Pentane	43	7.026	7.026	(0.581)	674005	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	15 Ethanol	45	7.426	7.426	(0.614)	147960	15.0000	15
	16 Ethyl ether	59	7.581	7.581	(0.627)	254247	10.0000	10
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.034	8.034	(0.664)	822029	10.0000	9.7
	18 Acrolein	56	7.938	7.938	(0.656)	120447	10.0000	10
	19 1,1-Dichloroethene	96	8.072	8.072	(0.667)	389344	10.0000	9.8
	20 Acetone	43	8.269	8.269	(0.684)	508549	10.0000	11
	21 Carbon disulfide	76	8.509	8.509	(0.704)	1119189	10.0000	10
	22 Isopropanol	45	8.573	8.573	(0.709)	333318	10.0000	10
	23 Allyl chloride	41	8.883	8.883	(0.734)	467926	10.0000	9.9
	24 Acetonitrile	41	8.942	8.942	(0.739)	189950	10.0000	10
	25 Methylene chloride	49	9.177	9.177	(0.759)	382450	10.0000	9.7
	26 Tert-butyl alcohol	59	9.390	9.390	(0.776)	509154	10.0000	10
	27 Methyl tert-butyl ether	73	9.641	9.641	(0.797)	1087102	10.0000	9.8
	28 1,2-Dichloroethene (trans)	61	9.668	9.668	(0.799)	578583	10.0000	9.9
	29 Acrylonitrile	53	9.748	9.748	(0.806)	230986	10.0000	10
	30 n-Hexane	57	10.105	10.105	(0.835)	636047	10.0000	10
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	742485	10.0000	9.8
	32 Vinyl acetate	43	10.607	10.607	(0.877)	802692	10.0000	10
M	33 1,2-Dichloroethene,Total	61				1030021	20.0000	19
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	451438	10.0000	9.6
	35 Ethyl acetate	88	11.728	11.728	(0.970)	33878	10.0000	9.8
	36 Methyl Ethyl Ketone	72	11.674	11.674	(0.965)	174301	10.0000	9.9
*	37 Bromochloromethane	128	12.096	12.096	(1.000)	419299	10.0000	
	38 Tetrahydrofuran	42	12.139	12.139	(0.872)	362068	10.0000	9.9
	39 Chloroform	83	12.213	12.213	(1.010)	919514	10.0000	9.8
	40 Cyclohexane	84	12.544	12.544	(0.901)	636062	10.0000	9.7
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	1020074	10.0000	9.6
	42 Carbon tetrachloride	117	12.784	12.784	(0.918)	1078834	10.0000	9.6
	43 2,2,4-Trimethylpentane	57	13.201	13.201	(0.948)	2041604	10.0000	9.9
	44 Benzene	78	13.190	13.190	(0.947)	1329811	10.0000	9.6
	45 1,2-Dichloroethane	62	13.318	13.318	(0.957)	601581	10.0000	9.7
	46 n-Heptane	43	13.542	13.542	(0.973)	729294	10.0000	9.9
*	47 1,4-Difluorobenzene	114	13.921	13.921	(1.000)	2338098	10.0000	
	48 n-Butanol	56	14.209	14.209	(1.021)	135583	10.0000	10
	49 Trichloroethene	95	14.375	14.375	(1.033)	631256	10.0000	9.7
	50 1,2-Dichloropropane	63	14.844	14.844	(1.066)	448163	10.0000	9.7
	51 Methyl methacrylate	69	14.972	14.972	(1.076)	388995	10.0000	9.9
	52 Dibromomethane	174	15.069	15.069	(1.082)	578927	10.0000	9.7
	53 1,4-Dioxane	88	15.042	15.042	(1.081)	159944	10.0000	9.8
	54 Bromodichloromethane	83	15.319	15.319	(1.100)	1018972	10.0000	10
	55 1,3-Dichloropropene (cis)	75	16.163	16.163	(1.161)	748632	10.0000	9.9
	56 Methyl isobutyl ketone	43	16.408	16.408	(1.179)	610844	10.0000	9.3
	57 n-Octane	43	16.808	16.808	(1.207)	988252	10.0000	9.9
	58 Toluene	92	16.734	16.734	(0.860)	1009776	10.0000	9.7
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.238)	747465	10.0000	10
	60 1,1,2-Trichloroethane	83	17.577	17.577	(0.904)	451489	10.0000	9.6
	61 Tetrachloroethene	166	17.764	17.764	(0.913)	928617	10.0000	9.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	62 2-Hexanone	43	17.993	17.993	(0.925)	562900	10.0000	9.3
	63 Dibromochloromethane	129	18.313	18.313	(0.942)	1026857	10.0000	9.9
	64 1,2-Dibromoethane	107	18.586	18.586	(0.956)	890755	10.0000	9.8
*	65 Chlorobenzene-d5	117	19.450	19.450	(1.000)	2179074	10.0000	
	66 Chlorobenzene	112	19.509	19.509	(1.003)	1436363	10.0000	9.5
	67 n-Nonane	57	19.792	19.792	(1.018)	935342	10.0000	9.8
	68 Ethylbenzene	91	19.653	19.653	(1.010)	2107945	10.0000	9.6
	69 Xylene (m,p)	106	19.893	19.893	(1.023)	1781171	20.0000	19
M	70 Xylenes, Total	106				2649984	10.0000	29
	71 Xylene (o)	106	20.646	20.646	(1.061)	868813	10.0000	9.8
	72 Styrene	104	20.678	20.678	(1.063)	1290186	10.0000	10
	73 Bromoform	173	21.041	21.041	(1.082)	1017655	10.0000	10
	74 Isopropylbenzene	105	21.254	21.254	(1.093)	2485603	10.0000	9.7
	75 1,1,2,2-Tetrachloroethane	83	21.798	21.798	(1.121)	1113422	10.0000	9.7
	76 n-Propylbenzene	91	21.916	21.916	(1.127)	2840068	10.0000	10
	77 1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	899864	10.0000	9.6
	78 n-Decane	57	22.097	22.097	(1.136)	1116216	10.0000	10
	79 4-Ethyltoluene	105	22.092	22.092	(1.136)	2495383	10.0000	10
	80 2-Chlorotoluene	91	22.103	22.103	(1.136)	2051831	10.0000	9.7
	81 1,3,5-Trimethylbenzene	105	22.193	22.193	(1.141)	2106707	10.0000	9.8
	82 Alpha Methyl Styrene	118	22.535	22.535	(1.159)	1053537	10.0000	11
	83 tert-butylbenzene	119	22.658	22.658	(1.165)	2098797	10.0000	9.8
	84 1,2,4-Trimethylbenzene	105	22.748	22.748	(1.170)	2069833	10.0000	10
	85 sec-Butylbenzene	105	22.972	22.972	(1.181)	3001987	10.0000	9.9
	86 4-Isopropyltoluene	119	23.170	23.170	(1.191)	2579274	10.0000	10
	87 1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	1416167	10.0000	9.7
	88 1,4-Dichlorobenzene	146	23.335	23.335	(1.200)	1369962	10.0000	9.7
	89 Benzyl chloride	91	23.522	23.522	(1.209)	1527206	10.0000	10
	90 Undecane	57	23.805	23.805	(1.224)	881223	10.0000	8.8
	91 n-Butylbenzene	91	23.768	23.768	(1.222)	1988185	10.0000	10
	92 1,2-Dichlorobenzene	146	23.890	23.890	(1.228)	1317115	10.0000	9.7
	93 Dodecane	57	25.465	25.465	(1.309)	533363	10.0000	9.3
	94 1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	508705	10.0000	8.4
	95 1,3-Hexachlorobutadiene	225	26.735	26.735	(1.375)	738987	10.0000	9.5
	96 Naphthalene	128	27.012	27.012	(1.389)	1063574	10.0000	8.8
	97 1,2,3-Trichlorobenzene	180	27.514	27.514	(1.415)	422731	10.0000	9.0

Data File:	ckz015.d	Date:	15-AUG-2012 08:24
Client ID:	icis 370604	Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	icis 370604		
Lab Sample ID:	icis 370604		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Lab Sample ID: ICV 200-43490/18 Calibration Date: 08/15/2012 11:09

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckz018.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6484	0.6663		10.3	10.0	2.8	30.0
Dichlorodifluoromethane	Ave	2.746	2.788		10.2	10.0	1.5	30.0
Freon 22	Ave	1.384	1.408		10.2	10.0	1.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.798	2.787		9.96	10.0	-0.4	30.0
Chloromethane	Ave	0.7657	0.7830		10.2	10.0	2.3	30.0
n-Butane	Ave	1.354	1.389		10.3	10.0	2.6	30.0
Vinyl chloride	Ave	0.9506	0.9470		9.96	10.0	-0.4	30.0
1,3-Butadiene	Ave	0.6877	0.7223		10.5	10.0	5.0	30.0
Bromomethane	Ave	0.9137	0.8865		9.70	10.0	-3.0	30.0
Chloroethane	Ave	0.4767	0.4754		9.97	10.0	-0.3	30.0
Isopentane	Ave	1.031	1.028		9.96	10.0	-0.3	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9751	0.9765		10.0	10.0	0.1	30.0
Trichlorofluoromethane	Ave	2.896	2.875		9.93	10.0	-0.7	30.0
n-Pentane	Ave	1.574	1.575		10.0	10.0	0.0	30.0
Ethanol	Ave	0.2344	0.2513		16.1	15.0	7.2	30.0
Ethyl ether	Ave	0.5994	0.6146		10.3	10.0	2.5	30.0
Acrolein	Ave	0.2829	0.2616		9.25	10.0	-7.5	30.0
Freon TF	Ave	2.025	2.150		10.6	10.0	6.2	30.0
1,1-Dichloroethene	Ave	0.9508	1.032		10.9	10.0	8.6	30.0
Acetone	Ave	1.101	1.208		11.0	10.0	9.7	30.0
Carbon disulfide	Ave	2.669	2.747		10.3	10.0	2.9	30.0
Isopropyl alcohol	Ave	0.7736	0.8070		10.4	10.0	4.3	30.0
3-Chloropropene	Ave	1.125	1.202		10.7	10.0	6.9	30.0
Acetonitrile	Ave	0.4531	0.5060		11.2	10.0	11.7	30.0
Methylene Chloride	Ave	0.9393	0.997		10.6	10.0	6.1	30.0
tert-Butyl alcohol	Ave	1.177	1.247		10.6	10.0	6.0	30.0
Methyl tert-butyl ether	Ave	2.647	2.814		10.6	10.0	6.3	30.0
trans-1,2-Dichloroethene	Ave	1.399	1.427		10.2	10.0	2.0	30.0
Acrylonitrile	Ave	0.5402	0.6030		11.2	10.0	11.6	30.0
n-Hexane	Ave	1.513	1.551		10.2	10.0	2.5	30.0
1,1-Dichloroethane	Ave	1.799	1.826		10.1	10.0	1.5	30.0
Vinyl acetate	Ave	1.893	2.057		10.9	10.0	8.7	30.0
cis-1,2-Dichloroethene	Ave	1.119	1.121		10.0	10.0	0.2	30.0
Methyl Ethyl Ketone	Ave	0.4184	0.4474		10.7	10.0	6.9	30.0
Ethyl acetate	Ave	0.0828	0.0876		10.6	10.0	5.9	30.0
Tetrahydrofuran	Ave	0.1572	0.1703		10.8	10.0	8.3	30.0
Chloroform	Ave	2.234	2.250		10.1	10.0	0.7	30.0
1,1,1-Trichloroethane	Ave	0.4565	0.4551		9.97	10.0	-0.3	30.0
Cyclohexane	Ave	0.2805	0.2822		10.1	10.0	0.6	30.0
Carbon tetrachloride	Ave	0.4819	0.4760		9.88	10.0	-1.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Lab Sample ID: ICV 200-43490/18 Calibration Date: 08/15/2012 11:09

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckz018.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5923	0.5887		9.94	10.0	-0.6	30.0
2,2,4-Trimethylpentane	Ave	0.8821	0.8996		10.2	10.0	2.0	30.0
1,2-Dichloroethane	Ave	0.2664	0.2710		10.2	10.0	1.7	30.0
n-Heptane	Ave	0.3152	0.3254		10.3	10.0	3.2	30.0
n-Butanol	Ave	0.0579	0.0581		10.0	10.0	0.4	30.0
Trichloroethene	Ave	0.2787	0.2714		9.73	10.0	-2.6	30.0
1,2-Dichloropropane	Ave	0.1969	0.1920		9.75	10.0	-2.5	30.0
Methyl methacrylate	Ave	0.1681	0.1777		10.6	10.0	5.7	30.0
1,4-Dioxane	Ave	0.0702	0.0639		9.11	10.0	-8.9	30.0
Dibromomethane	Ave	0.2550	0.2525		9.90	10.0	-1.0	30.0
Bromodichloromethane	Ave	0.4359	0.4614		10.6	10.0	5.9	30.0
cis-1,3-Dichloropropene	Ave	0.3236	0.3222		9.96	10.0	-0.4	30.0
Methyl isobutyl ketone	Ave	0.2796	0.3062		10.9	10.0	9.5	30.0
Toluene	Ave	0.4794	0.4739		9.88	10.0	-1.1	30.0
n-Octane	Ave	0.4253	0.4341		10.2	10.0	2.1	30.0
trans-1,3-Dichloropropene	Ave	0.3207	0.3284		10.2	10.0	2.4	30.0
1,1,2-Trichloroethane	Ave	0.2163	0.2048		9.47	10.0	-5.3	30.0
Tetrachloroethene	Ave	0.4520	0.4338		9.60	10.0	-4.0	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2793	0.3020		10.8	10.0	8.1	30.0
Dibromochloromethane	Ave	0.4757	0.5164		10.9	10.0	8.6	30.0
1,2-Dibromoethane	Ave	0.4184	0.4150		9.92	10.0	-0.8	30.0
Chlorobenzene	Ave	0.6941	0.6711		9.67	10.0	-3.3	30.0
Ethylbenzene	Ave	1.008	1.035		10.3	10.0	2.7	30.0
n-Nonane	Ave	0.4389	0.4666		10.6	10.0	6.3	30.0
m,p-Xylene	Ave	0.4201	0.4322		20.6	20.0	2.9	30.0
Xylene, o-	Ave	0.4067	0.4199		10.3	10.0	3.2	30.0
Styrene	Ave	0.5752	0.6271		10.9	10.0	9.0	30.0
Bromoform	Ave	0.4612	0.5131		11.1	10.0	11.3	30.0
Cumene	Ave	1.170	1.245		10.6	10.0	6.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5293	0.5402		10.2	10.0	2.1	30.0
1,2,3-Trichloropropane	Ave	0.4280	0.4535		10.6	10.0	6.0	30.0
n-Propylbenzene	Ave	1.307	1.431		10.9	10.0	9.4	30.0
4-Ethyltoluene	Ave	1.133	1.288		11.4	10.0	13.8	30.0
n-Decane	Ave	0.4980	0.5713		11.5	10.0	14.7	30.0
2-Chlorotoluene	Ave	0.9700	1.058		10.9	10.0	9.0	30.0
1,3,5-Trimethylbenzene	Ave	0.9824	1.049		10.7	10.0	6.8	30.0
Alpha Methyl Styrene	Ave	0.4584	0.5383		11.7	10.0	17.4	30.0
tert-Butylbenzene	Ave	0.9877	1.083		11.0	10.0	9.6	30.0
1,2,4-Trimethylbenzene	Ave	0.9504	1.025		10.8	10.0	7.9	30.0
sec-Butylbenzene	Ave	1.388	1.543		11.1	10.0	11.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Lab Sample ID: ICV 200-43490/18 Calibration Date: 08/15/2012 11:09

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckz018.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.178	1.346		11.4	10.0	14.3	30.0
1,3-Dichlorobenzene	Ave	0.6694	0.6994		10.4	10.0	4.5	30.0
1,4-Dichlorobenzene	Ave	0.6483	0.6868		10.6	10.0	5.9	30.0
Benzyl chloride	Ave	0.7030	0.8020		11.4	10.0	14.1	30.0
n-Butylbenzene	Ave	0.8856	1.055		11.9	10.0	19.1	30.0
n-Undecane	Ave	0.4617	0.5107		11.1	10.0	10.6	30.0
1,2-Dichlorobenzene	Ave	0.6226	0.6471		10.4	10.0	3.9	30.0
n-Dodecane	Ave	0.2640	0.2963		11.2	10.0	12.2	30.0
1,2,4-Trichlorobenzene	Ave	0.2781	0.2872		10.3	10.0	3.3	30.0
Hexachlorobutadiene	Ave	0.3561	0.4031		11.3	10.0	13.2	30.0
Naphthalene	Ave	0.5526	0.6238		11.3	10.0	12.9	30.0
1,2,3-Trichlorobenzene	Ave	0.2145	0.2570		12.0	10.0	19.8	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz018.d
Lab Smp Id: ICV 370622
Inj Date : 15-AUG-2012 11:09
Operator : wrd Inst ID: C.i
Smp Info : ICV 370622
Misc Info : 200,1, ICV
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/to15v5.m
Meth Date : 16-Aug-2012 08:34 klp Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

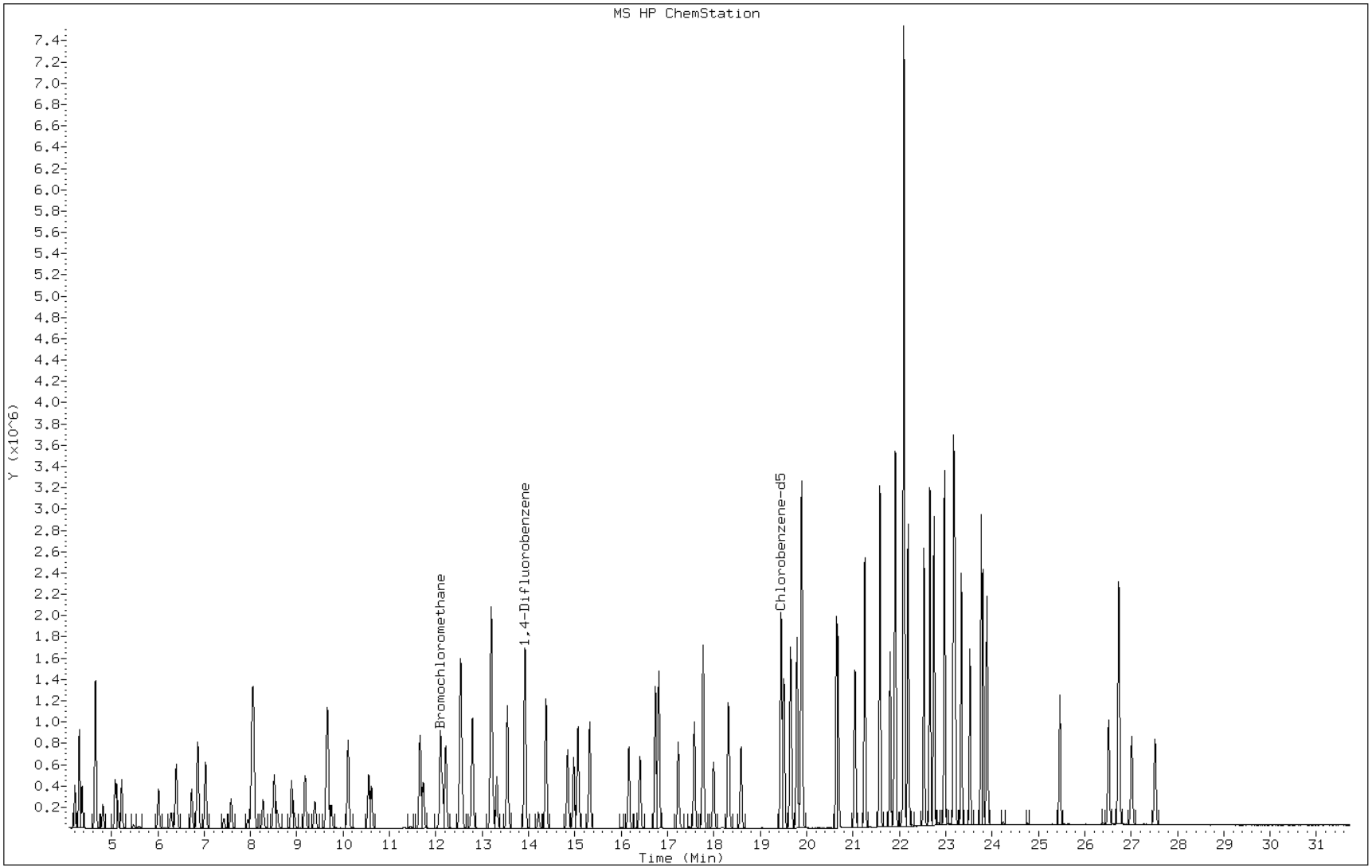
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41	4.213	4.208	(0.348)	262779	10.2736	10
2 Dichlorodifluoromethane	85	4.304	4.304	(0.356)	1099416	10.1504	10
3 Chlorodifluoromethane	51	4.368	4.363	(0.361)	555140	10.1705	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.651	4.651	(0.384)	1099387	9.96160	10
5 Chloromethane	50	4.816	4.811	(0.398)	308800	10.2236	10
6 Butane	43	5.083	5.078	(0.420)	547856	10.2547	10
7 Vinyl chloride	62	5.126	5.121	(0.424)	373503	9.96069	10
8 1,3-Butadiene	54	5.222	5.217	(0.432)	284883	10.5016	11
9 Bromomethane	94	6.017	6.012	(0.497)	349647	9.70079	9.7
10 Chloroethane	64	6.289	6.284	(0.520)	187479	9.96880	10
11 2-Methylbutane	43	6.401	6.396	(0.529)	405419	9.96409	10
12 Vinyl bromide	106	6.732	6.727	(0.557)	385129	10.0118	10
13 Trichlorofluoromethane	101	6.860	6.860	(0.567)	1134026	9.92746	9.9
14 Pentane	43	7.026	7.026	(0.581)	621218	10.0034	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	7.426	7.426	(0.614)	148741	16.0862	16
	16 Ethyl ether	59	7.581	7.581	(0.627)	242408	10.2526	10
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.040	8.034	(0.665)	848035	10.6175	11
	18 Acrolein	56	7.944	7.938	(0.657)	103162	9.24543	9.2
	19 1,1-Dichloroethene	96	8.072	8.072	(0.667)	407083	10.8530	11
	20 Acetone	43	8.275	8.269	(0.684)	476619	10.9727	11
	21 Carbon disulfide	76	8.509	8.509	(0.703)	1083447	10.2896	10
	22 Isopropanol	45	8.573	8.573	(0.709)	318286	10.4294	10
	23 Allyl chloride	41	8.883	8.883	(0.734)	474202	10.6854	11
	24 Acetonitrile	41	8.942	8.942	(0.739)	199553	11.1636	11
	25 Methylene chloride	49	9.176	9.177	(0.759)	393157	10.6105	11
	26 Tert-butyl alcohol	59	9.390	9.390	(0.776)	491838	10.5954	11
	27 Methyl tert-butyl ether	73	9.646	9.641	(0.797)	1110001	10.6308	11
	28 1,2-Dichloroethene (trans)	61	9.667	9.668	(0.799)	562782	10.1958	10
	29 Acrylonitrile	53	9.748	9.748	(0.806)	237829	11.1597	11
	30 n-Hexane	57	10.105	10.105	(0.835)	611669	10.2458	10
	31 1,1-Dichloroethane	63	10.548	10.548	(0.872)	719996	10.1469	10
	32 Vinyl acetate	43	10.612	10.607	(0.877)	811390	10.8666	11
M	33 1,2-Dichloroethene,Total	61				1005019	20.2126	20
	34 1,2-Dichloroethene (cis)	96	11.653	11.653	(0.963)	442237	10.0169	10
	35 Ethyl acetate	88	11.733	11.728	(0.970)	34563	10.5863	11
	36 Methyl Ethyl Ketone	72	11.669	11.674	(0.965)	176461	10.6917	11
*	37 Bromochloromethane	128	12.096	12.096	(1.000)	394482	10.0000	
	38 Tetrahydrofuran	42	12.144	12.139	(0.872)	370132	10.8324	11
	39 Chloroform	83	12.213	12.213	(1.010)	887550	10.0717	10
	40 Cyclohexane	84	12.549	12.544	(0.901)	613272	10.0592	10
	41 1,1,1-Trichloroethane	97	12.528	12.528	(0.900)	988890	9.96724	10
	42 Carbon tetrachloride	117	12.790	12.784	(0.918)	1034383	9.87502	9.9
	43 2,2,4-Trimethylpentane	57	13.200	13.201	(0.948)	1954885	10.1968	10
	44 Benzene	78	13.190	13.190	(0.947)	1279285	9.93776	9.9
	45 1,2-Dichloroethane	62	13.313	13.318	(0.956)	588938	10.1714	10
	46 n-Heptane	43	13.547	13.542	(0.973)	707055	10.3193	10
*	47 1,4-Difluorobenzene	114	13.926	13.921	(1.000)	2173520	10.0000	
	48 n-Butanol	56	14.214	14.209	(1.021)	126295	10.0388	10
	49 Trichloroethene	95	14.375	14.375	(1.032)	589711	9.73389	9.7
	50 1,2-Dichloropropane	63	14.839	14.844	(1.066)	417223	9.74673	9.7
	51 Methyl methacrylate	69	14.972	14.972	(1.075)	386090	10.5642	11
	52 Dibromomethane	174	15.068	15.069	(1.082)	548650	9.89853	9.9
	53 1,4-Dioxane	88	15.047	15.042	(1.080)	138850	9.10611	9.1
	54 Bromodichloromethane	83	15.319	15.319	(1.100)	1002604	10.5834	11
	55 1,3-Dichloropropene (cis)	75	16.162	16.163	(1.161)	700142	9.95580	10
	56 Methyl isobutyl ketone	43	16.403	16.408	(1.178)	665302	10.9465	11
	57 n-Octane	43	16.808	16.808	(1.207)	943249	10.2044	10
	58 Toluene	92	16.739	16.734	(0.861)	943875	9.88359	9.9
	59 1,3-Dichloropropene (trans)	75	17.230	17.230	(1.237)	713719	10.2391	10
	60 1,1,2-Trichloroethane	83	17.577	17.577	(0.904)	407787	9.46578	9.5
	61 Tetrachloroethene	166	17.764	17.764	(0.913)	864010	9.59584	9.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	62 2-Hexanone	43	17.993	17.993	(0.925)	601398	10.8111	11
	63 Dibromochloromethane	129	18.313	18.313	(0.942)	1028426	10.8538	11
	64 1,2-Dibromoethane	107	18.585	18.586	(0.956)	826520	9.91696	9.9
*	65 Chlorobenzene-d5	117	19.450	19.450	(1.000)	1992042	10.0000	
	66 Chlorobenzene	112	19.509	19.509	(1.003)	1336502	9.66619	9.7
	67 n-Nonane	57	19.792	19.792	(1.018)	929310	10.6284	11
	68 Ethylbenzene	91	19.658	19.653	(1.011)	2061964	10.2650	10
	69 Xylene (m,p)	106	19.893	19.893	(1.023)	1721571	20.5716	21
M	70 Xylenes, Total	106				2557836	30.8931	31
	71 Xylene (o)	106	20.645	20.646	(1.061)	836265	10.3214	10
	72 Styrene	104	20.677	20.678	(1.063)	1248911	10.9001	11
	73 Bromoform	173	21.040	21.041	(1.082)	1021920	11.1242	11
	74 Isopropylbenzene	105	21.254	21.254	(1.093)	2479553	10.6392	11
	75 1,1,2,2-Tetrachloroethane	83	21.798	21.798	(1.121)	1075805	10.2038	10
	76 n-Propylbenzene	91	21.916	21.916	(1.127)	2849062	10.9411	11
	77 1,2,3-Trichloropropane	75	21.900	21.900	(1.126)	903191	10.5938	11
	78 n-Decane	57	22.097	22.097	(1.136)	1137869	11.4692	11
	79 4-Ethyltoluene	105	22.092	22.092	(1.136)	2566064	11.3733	11
	80 2-Chlorotoluene	91	22.102	22.103	(1.136)	2106395	10.9007	11
	81 1,3,5-Trimethylbenzene	105	22.188	22.193	(1.141)	2090175	10.6811	11
	82 Alpha Methyl Styrene	118	22.535	22.535	(1.159)	1072136	11.7421	12
	83 tert-butylbenzene	119	22.663	22.658	(1.165)	2155965	10.9579	11
	84 1,2,4-Trimethylbenzene	105	22.748	22.748	(1.170)	2041429	10.7831	11
	85 sec-Butylbenzene	105	22.972	22.972	(1.181)	3073811	11.1177	11
	86 4-Isopropyltoluene	119	23.170	23.170	(1.191)	2681604	11.4238	11
	87 1,3-Dichlorobenzene	146	23.202	23.202	(1.193)	1392924	10.4455	10
	88 1,4-Dichlorobenzene	146	23.341	23.335	(1.200)	1367792	10.5919	11
	89 Benzyl chloride	91	23.527	23.522	(1.210)	1597300	11.4055	11
	90 Undecane	57	23.805	23.805	(1.224)	1017099	11.0599	11
	91 n-Butylbenzene	91	23.768	23.768	(1.222)	2100902	11.9091	12
	92 1,2-Dichlorobenzene	146	23.890	23.890	(1.228)	1288821	10.3924	10
	93 Dodecane	57	25.465	25.465	(1.309)	590067	11.2198	11
	94 1,2,4-Trichlorobenzene	180	26.516	26.516	(1.363)	571990	10.3246	10
	95 1,3-Hexachlorobutadiene	225	26.735	26.735	(1.375)	802771	11.3175	11
	96 Naphthalene	128	27.012	27.012	(1.389)	1242293	11.2858	11
	97 1,2,3-Trichlorobenzene	180	27.514	27.514	(1.415)	511855	11.9794	12

Data File:	ckz018.d	Date:	15-AUG-2012 11:09
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ICV 370622		
Lab Sample ID:	ICV 370622		



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Lab Sample ID: CCVIS 200-44641/2 Calibration Date: 09/07/2012 13:04

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckzq002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6484	0.5293		8.16	10.0	-18.4	30.0
Dichlorodifluoromethane	Ave	2.746	2.620		9.54	10.0	-4.6	30.0
Freon 22	Ave	1.384	1.210		8.74	10.0	-12.5	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.798	2.586		9.24	10.0	-7.6	30.0
Chloromethane	Ave	0.7657	0.6334		8.27	10.0	-17.3	30.0
n-Butane	Ave	1.354	1.111		8.20	10.0	-18.0	30.0
Vinyl chloride	Ave	0.9506	0.8058		8.48	10.0	-15.2	30.0
1,3-Butadiene	Ave	0.6877	0.5770		8.39	10.0	-16.1	30.0
Bromomethane	Ave	0.9137	0.8283		9.06	10.0	-9.3	30.0
Chloroethane	Ave	0.4767	0.3912		8.20	10.0	-17.9	30.0
Isopentane	Ave	1.031	0.7939		7.70	10.0	-23.0	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9751	0.9362		9.60	10.0	-4.0	30.0
Trichlorofluoromethane	Ave	2.896	2.796		9.65	10.0	-3.5	30.0
n-Pentane	Ave	1.574	1.258		7.99	10.0	-20.1	30.0
Ethanol	Ave	0.2344	0.1956		12.5	15.0	-16.6	30.0
Ethyl ether	Ave	0.5994	0.5425		9.05	10.0	-9.5	30.0
Acrolein	Ave	0.2829	0.2175		7.69	10.0	-23.1	30.0
Freon TF	Ave	2.025	1.886		9.32	10.0	-6.8	30.0
1,1-Dichloroethene	Ave	0.9508	0.8850		9.31	10.0	-6.9	30.0
Acetone	Ave	1.101	1.127		10.2	10.0	2.3	30.0
Carbon disulfide	Ave	2.669	2.411		9.03	10.0	-9.7	30.0
Isopropyl alcohol	Ave	0.7736	0.8057		10.4	10.0	4.1	30.0
3-Chloropropene	Ave	1.125	0.9241		8.21	10.0	-17.9	30.0
Acetonitrile	Ave	0.4531	0.4308		9.51	10.0	-4.9	30.0
Methylene Chloride	Ave	0.9393	0.7602		8.09	10.0	-19.1	30.0
tert-Butyl alcohol	Ave	1.177	1.336		11.4	10.0	13.5	30.0
Methyl tert-butyl ether	Ave	2.647	2.537		9.58	10.0	-4.1	30.0
trans-1,2-Dichloroethene	Ave	1.399	1.234		8.81	10.0	-11.8	30.0
Acrylonitrile	Ave	0.5402	0.4853		8.98	10.0	-10.2	30.0
n-Hexane	Ave	1.513	1.266		8.36	10.0	-16.3	30.0
1,1-Dichloroethane	Ave	1.799	1.570		8.73	10.0	-12.7	30.0
Vinyl acetate	Ave	1.893	1.648		8.70	10.0	-13.0	30.0
cis-1,2-Dichloroethene	Ave	1.119	1.031		9.21	10.0	-7.9	30.0
Methyl Ethyl Ketone	Ave	0.4184	0.3865		9.24	10.0	-7.6	30.0
Ethyl acetate	Ave	0.0828	0.0758		9.15	10.0	-8.4	30.0
Tetrahydrofuran	Ave	0.1572	0.1313		8.35	10.0	-16.5	30.0
Chloroform	Ave	2.234	2.083		9.32	10.0	-6.7	30.0
1,1,1-Trichloroethane	Ave	0.4565	0.4349		9.52	10.0	-4.7	30.0
Cyclohexane	Ave	0.2805	0.2521		8.99	10.0	-10.1	30.0
Carbon tetrachloride	Ave	0.4819	0.4648		9.64	10.0	-3.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Lab Sample ID: CCVIS 200-44641/2 Calibration Date: 09/07/2012 13:04

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckzq002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5923	0.5185		8.75	10.0	-12.5	30.0
2,2,4-Trimethylpentane	Ave	0.8821	0.7361		8.34	10.0	-16.6	30.0
1,2-Dichloroethane	Ave	0.2664	0.2540		9.53	10.0	-4.7	30.0
n-Heptane	Ave	0.3152	0.2520		7.99	10.0	-20.1	30.0
n-Butanol	Ave	0.0579	0.0519		8.97	10.0	-10.3	30.0
Trichloroethene	Ave	0.2787	0.2593		9.30	10.0	-7.0	30.0
1,2-Dichloropropane	Ave	0.1969	0.1714		8.70	10.0	-13.0	30.0
Methyl methacrylate	Ave	0.1681	0.1529		9.09	10.0	-9.0	30.0
1,4-Dioxane	Ave	0.0702	0.0786		11.2	10.0	12.1	30.0
Dibromomethane	Ave	0.2550	0.2634		10.3	10.0	3.3	30.0
Bromodichloromethane	Ave	0.4359	0.4241		9.73	10.0	-2.7	30.0
cis-1,3-Dichloropropene	Ave	0.3236	0.3014		9.31	10.0	-6.8	30.0
Methyl isobutyl ketone	Ave	0.2796	0.2501		8.94	10.0	-10.5	30.0
Toluene	Ave	0.4794	0.4597		9.59	10.0	-4.1	30.0
n-Octane	Ave	0.4253	0.3499		8.23	10.0	-17.7	30.0
trans-1,3-Dichloropropene	Ave	0.3207	0.3149		9.82	10.0	-1.8	30.0
1,1,2-Trichloroethane	Ave	0.2163	0.2001		9.25	10.0	-7.5	30.0
Tetrachloroethene	Ave	0.4520	0.4622		10.2	10.0	2.3	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2793	0.2497		8.94	10.0	-10.6	30.0
Dibromochloromethane	Ave	0.4757	0.4950		10.4	10.0	4.1	30.0
1,2-Dibromoethane	Ave	0.4184	0.4181		9.99	10.0	-0.0	30.0
Chlorobenzene	Ave	0.6941	0.6711		9.67	10.0	-3.3	30.0
Ethylbenzene	Ave	1.008	0.9616		9.53	10.0	-4.6	30.0
n-Nonane	Ave	0.4389	0.3774		8.60	10.0	-14.0	30.0
m,p-Xylene	Ave	0.4201	0.4160		19.8	20.0	-1.0	30.0
Xylene, o-	Ave	0.4067	0.4071		10.0	10.0	0.1	30.0
Styrene	Ave	0.5752	0.5977		10.4	10.0	3.9	30.0
Bromoform	Ave	0.4612	0.4963		10.8	10.0	7.6	30.0
Cumene	Ave	1.170	1.129		9.65	10.0	-3.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5293	0.4865		9.19	10.0	-8.1	30.0
1,2,3-Trichloropropane	Ave	0.4280	0.3945		9.22	10.0	-7.8	30.0
n-Propylbenzene	Ave	1.307	1.249		9.55	10.0	-4.5	30.0
4-Ethyltoluene	Ave	1.133	1.132		9.99	10.0	-0.0	30.0
n-Decane	Ave	0.4980	0.4544		9.12	10.0	-8.8	30.0
2-Chlorotoluene	Ave	0.9700	0.9250		9.53	10.0	-4.6	30.0
1,3,5-Trimethylbenzene	Ave	0.9824	0.9470		9.64	10.0	-3.6	30.0
Alpha Methyl Styrene	Ave	0.4584	0.4877		10.6	10.0	6.4	30.0
tert-Butylbenzene	Ave	0.9877	0.9618		9.74	10.0	-2.6	30.0
1,2,4-Trimethylbenzene	Ave	0.9504	0.9275		9.76	10.0	-2.4	30.0
sec-Butylbenzene	Ave	1.388	1.329		9.58	10.0	-4.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Lab Sample ID: CCVIS 200-44641/2 Calibration Date: 09/07/2012 13:04

Instrument ID: C.i Calib Start Date: 08/14/2012 18:13

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/15/2012 08:24

Lab File ID: ckzq002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.178	1.177		9.99	10.0	-0.1	30.0
1,3-Dichlorobenzene	Ave	0.6694	0.6814		10.2	10.0	1.8	30.0
1,4-Dichlorobenzene	Ave	0.6483	0.6611		10.2	10.0	2.0	30.0
Benzyl chloride	Ave	0.7030	0.6036		8.58	10.0	-14.1	30.0
n-Butylbenzene	Ave	0.8856	0.8835		9.97	10.0	-0.2	30.0
n-Undecane	Ave	0.4617	0.3987		8.63	10.0	-13.6	30.0
1,2-Dichlorobenzene	Ave	0.6226	0.6382		10.2	10.0	2.5	30.0
n-Dodecane	Ave	0.2640	0.2420		9.17	10.0	-8.3	30.0
1,2,4-Trichlorobenzene	Ave	0.2781	0.3107		11.2	10.0	11.7	30.0
Hexachlorobutadiene	Ave	0.3561	0.3718		10.4	10.0	4.4	30.0
Naphthalene	Ave	0.5526	0.6262		11.3	10.0	13.3	30.0
1,2,3-Trichlorobenzene	Ave	0.2145	0.2585		12.0	10.0	20.5	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzqto15.b/ckzq002.d
Lab Smp Id: ccvis 380696
Inj Date : 07-SEP-2012 13:04
Operator : wrd Inst ID: C.i
Smp Info : ccvis 380696
Misc Info : 200,1,ccvis
Comment :
Method : /chem/C.i/Csvr.p/ckzqto15.b/to15v5.m
Meth Date : 10-Sep-2012 09:03 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
1 Propene	41	4.202	4.208	(0.348)	168459	10.0000	8.2
2 Dichlorodifluoromethane	85	4.293	4.304	(0.356)	833822	10.0000	9.5
3 Chlorodifluoromethane	51	4.357	4.363	(0.361)	385147	10.0000	8.7
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.640	4.651	(0.384)	823085	10.0000	9.2
5 Chloromethane	50	4.800	4.811	(0.398)	201588	10.0000	8.3
6 Butane	43	5.072	5.078	(0.420)	353509	10.0000	8.2
7 Vinyl chloride	62	5.110	5.121	(0.423)	256468	10.0000	8.5
8 1,3-Butadiene	54	5.211	5.217	(0.432)	183628	10.0000	8.4
9 Bromomethane	94	5.996	6.012	(0.497)	263629	10.0000	9.1
10 Chloroethane	64	6.268	6.284	(0.519)	124521	10.0000	8.2
11 2-Methylbutane	43	6.385	6.396	(0.529)	252673	10.0000	7.7
12 Vinyl bromide	106	6.711	6.727	(0.556)	297976	10.0000	9.6
13 Trichlorofluoromethane	101	6.839	6.860	(0.566)	889751	10.0000	9.7
14 Pentane	43	7.010	7.026	(0.581)	400396	10.0000	8.0

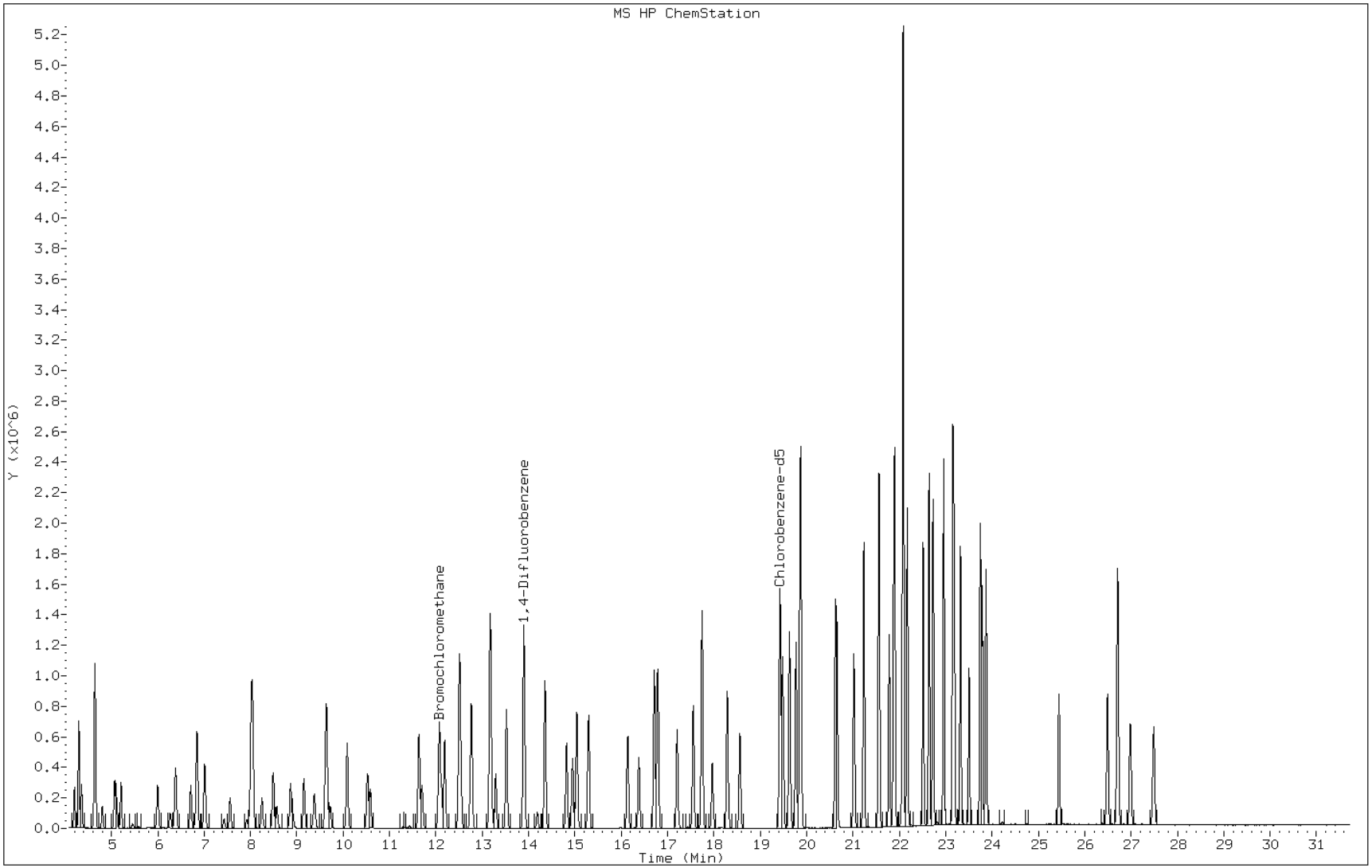
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	15 Ethanol	45	7.431	7.426	(0.615)	93405	15.0000	13
	16 Ethyl ether	59	7.559	7.581	(0.626)	172667	10.0000	9.0
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.018	8.034	(0.664)	600403	10.0000	9.3
	18 Acrolein	56	7.917	7.938	(0.656)	69215	10.0000	7.7
	19 1,1-Dichloroethene	96	8.050	8.072	(0.667)	281680	10.0000	9.3
	20 Acetone	43	8.248	8.269	(0.683)	358632	10.0000	10
	21 Carbon disulfide	76	8.488	8.509	(0.703)	767267	10.0000	9.0
	22 Isopropanol	45	8.568	8.573	(0.710)	256439	10.0000	10
	23 Allyl chloride	41	8.861	8.883	(0.734)	294112	10.0000	8.2(M)
	24 Acetonitrile	41	8.915	8.942	(0.738)	137108	10.0000	9.5(M)
	25 Methylene chloride	49	9.155	9.177	(0.758)	241955	10.0000	8.1
	26 Tert-butyl alcohol	59	9.379	9.390	(0.777)	425229	10.0000	11
	27 Methyl tert-butyl ether	73	9.619	9.641	(0.797)	807504	10.0000	9.6
	28 1,2-Dichloroethene (trans)	61	9.646	9.668	(0.799)	392634	10.0000	8.8
	29 Acrylonitrile	53	9.721	9.748	(0.805)	154443	10.0000	9.0
	30 n-Hexane	57	10.089	10.105	(0.836)	402983	10.0000	8.4
	31 1,1-Dichloroethane	63	10.527	10.548	(0.872)	499843	10.0000	8.7
	32 Vinyl acetate	43	10.585	10.607	(0.877)	524358	10.0000	8.7
M	33 1,2-Dichloroethene,Total	61				720679	20.0000	18
	34 1,2-Dichloroethene (cis)	96	11.626	11.653	(0.963)	328045	10.0000	9.2
	35 Ethyl acetate	88	11.706	11.728	(0.970)	24116	10.0000	9.2
	36 Methyl Ethyl Ketone	72	11.647	11.674	(0.965)	123013	10.0000	9.2
*	37 Bromochloromethane	128	12.074	12.096	(1.000)	318335	10.0000	(Q)
	38 Tetrahydrofuran	42	12.117	12.139	(0.872)	230468	10.0000	8.4
	39 Chloroform	83	12.192	12.213	(1.010)	663021	10.0000	9.3
	40 Cyclohexane	84	12.523	12.544	(0.901)	442354	10.0000	9.0
	41 1,1,1-Trichloroethane	97	12.507	12.528	(0.900)	763080	10.0000	9.5
	42 Carbon tetrachloride	117	12.763	12.784	(0.918)	815658	10.0000	9.6
	43 2,2,4-Trimethylpentane	57	13.179	13.201	(0.948)	1291627	10.0000	8.3
	44 Benzene	78	13.168	13.190	(0.947)	909893	10.0000	8.8
	45 1,2-Dichloroethane	62	13.291	13.318	(0.956)	445625	10.0000	9.5
	46 n-Heptane	43	13.521	13.542	(0.973)	442195	10.0000	8.0
*	47 1,4-Difluorobenzene	114	13.900	13.921	(1.000)	1755135	10.0000	
	48 n-Butanol	56	14.188	14.209	(1.021)	91118	10.0000	9.0
	49 Trichloroethene	95	14.353	14.375	(1.033)	454949	10.0000	9.3
	50 1,2-Dichloropropane	63	14.823	14.844	(1.066)	300837	10.0000	8.7
	51 Methyl methacrylate	69	14.951	14.972	(1.076)	268363	10.0000	9.1
	52 Dibromomethane	174	15.047	15.069	(1.083)	462145	10.0000	10
	53 1,4-Dioxane	88	15.020	15.042	(1.081)	137950	10.0000	11
	54 Bromodichloromethane	83	15.292	15.319	(1.100)	744260	10.0000	9.7
	55 1,3-Dichloropropene (cis)	75	16.141	16.163	(1.161)	528894	10.0000	9.3
	56 Methyl isobutyl ketone	43	16.376	16.408	(1.178)	438933	10.0000	8.9
	57 n-Octane	43	16.787	16.808	(1.208)	614055	10.0000	8.2
	58 Toluene	92	16.712	16.734	(0.860)	741533	10.0000	9.6
	59 1,3-Dichloropropene (trans)	75	17.203	17.230	(1.238)	552659	10.0000	9.8
	60 1,1,2-Trichloroethane	83	17.550	17.577	(0.904)	322813	10.0000	9.3
	61 Tetrachloroethene	166	17.742	17.764	(0.913)	745500	10.0000	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb v/v)	AMOUNTS ON-COL (ppb v/v)
	62 2-Hexanone	43	17.966	17.993	(0.925)	402708	10.0000	8.9
	63 Dibromochloromethane	129	18.292	18.313	(0.942)	798344	10.0000	10
	64 1,2-Dibromoethane	107	18.559	18.586	(0.955)	674424	10.0000	10
*	65 Chlorobenzene-d5	117	19.423	19.450	(1.000)	1613282	10.0000	
	66 Chlorobenzene	112	19.482	19.509	(1.003)	1082498	10.0000	9.7
	67 n-Nonane	57	19.770	19.792	(1.018)	608761	10.0000	8.6
	68 Ethylbenzene	91	19.631	19.653	(1.011)	1551042	10.0000	9.5
	69 Xylene (m,p)	106	19.866	19.893	(1.023)	1341831	20.0000	20
M	70 Xylenes, Total	106				1998524	10.0000	30
	71 Xylene (o)	106	20.624	20.646	(1.062)	656693	10.0000	10
	72 Styrene	104	20.656	20.678	(1.063)	964133	10.0000	10
	73 Bromoform	173	21.019	21.041	(1.082)	800428	10.0000	11
	74 Isopropylbenzene	105	21.232	21.254	(1.093)	1820634	10.0000	9.6
	75 1,1,2,2-Tetrachloroethane	83	21.782	21.798	(1.121)	784752	10.0000	9.2
	76 n-Propylbenzene	91	21.900	21.916	(1.127)	2014276	10.0000	9.6
	77 1,2,3-Trichloropropane	75	21.878	21.900	(1.126)	636273	10.0000	9.2
	78 n-Decane	57	22.081	22.097	(1.137)	732871	10.0000	9.1
	79 4-Ethyltoluene	105	22.076	22.092	(1.137)	1825901	10.0000	10
	80 2-Chlorotoluene	91	22.086	22.103	(1.137)	1491962	10.0000	9.5
	81 1,3,5-Trimethylbenzene	105	22.172	22.193	(1.141)	1527531	10.0000	9.6
	82 Alpha Methyl Styrene	118	22.513	22.535	(1.159)	786701	10.0000	11
	83 tert-butylbenzene	119	22.641	22.658	(1.166)	1551307	10.0000	9.7
	84 1,2,4-Trimethylbenzene	105	22.727	22.748	(1.170)	1496072	10.0000	9.8
	85 sec-Butylbenzene	105	22.956	22.972	(1.182)	2144267	10.0000	9.6
	86 4-Isopropyltoluene	119	23.154	23.170	(1.192)	1898866	10.0000	10
	87 1,3-Dichlorobenzene	146	23.186	23.202	(1.194)	1099140	10.0000	10
	88 1,4-Dichlorobenzene	146	23.319	23.335	(1.201)	1066381	10.0000	10
	89 Benzyl chloride	91	23.506	23.522	(1.210)	973580	10.0000	8.6
	90 Undecane	57	23.789	23.805	(1.225)	643039	10.0000	8.6
	91 n-Butylbenzene	91	23.746	23.768	(1.223)	1425096	10.0000	10
	92 1,2-Dichlorobenzene	146	23.874	23.890	(1.229)	1029439	10.0000	10
	93 Dodecane	57	25.443	25.465	(1.310)	390403	10.0000	9.2
	94 1,2,4-Trichlorobenzene	180	26.489	26.516	(1.364)	501101	10.0000	11
	95 1,3-Hexachlorobutadiene	225	26.708	26.735	(1.375)	599766	10.0000	10
	96 Naphthalene	128	26.980	27.012	(1.389)	1010105	10.0000	11
	97 1,2,3-Trichlorobenzene	180	27.487	27.514	(1.415)	416960	10.0000	12

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File:	ckzq002.d	Date:	07-SEP-2012 13:04
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	ccvis 380696		
Lab Sample ID:	ccvis 380696		



Manual Integration Report

Data File: ckzq002.d
Lab Sample ID: ccvis 380696
Inj. Date and Time: 07-SEP-2012 13:04
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 09/10/2012

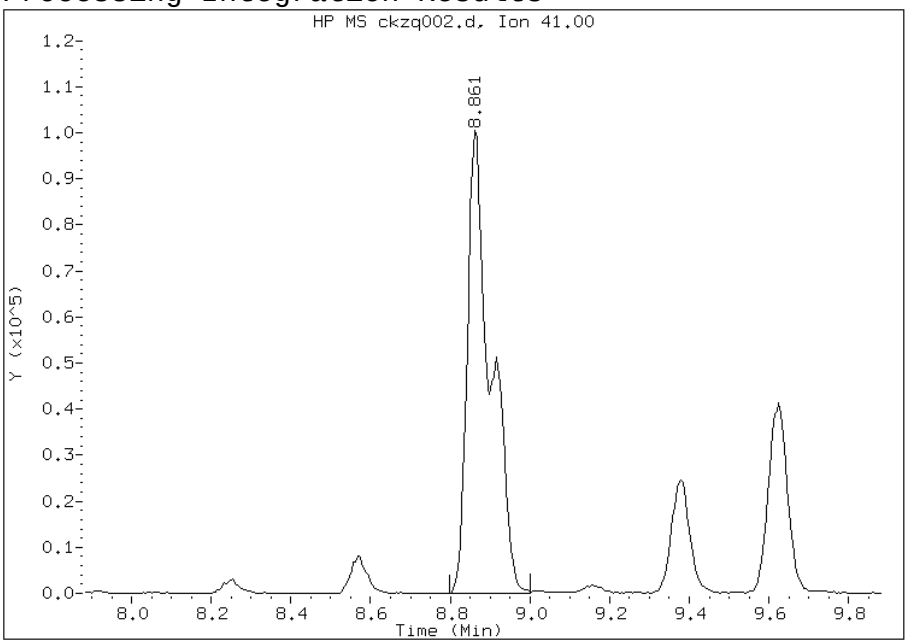
Processing Integration Results

RT: 8.86

Response: 414370

Amount: 11.57

Conc: 11.57



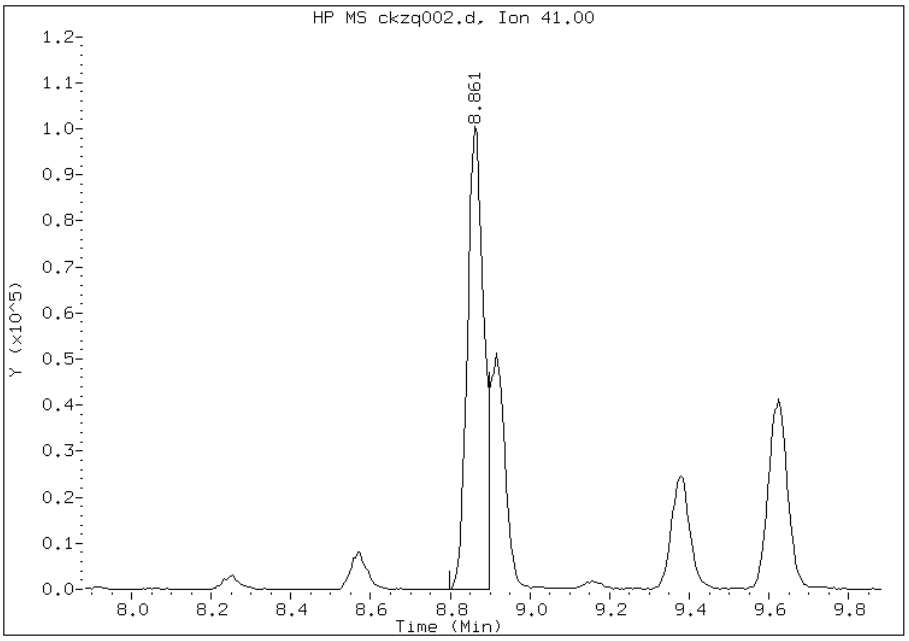
Manual Integration Results

RT: 8.86

Response: 294112

Amount: 8.21

Conc: 8.21



File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckzq002.d
Lab Sample ID: ccvis 380696
Inj. Date and Time: 07-SEP-2012 13:04
Instrument ID: C.i
Client ID:
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 09/10/2012

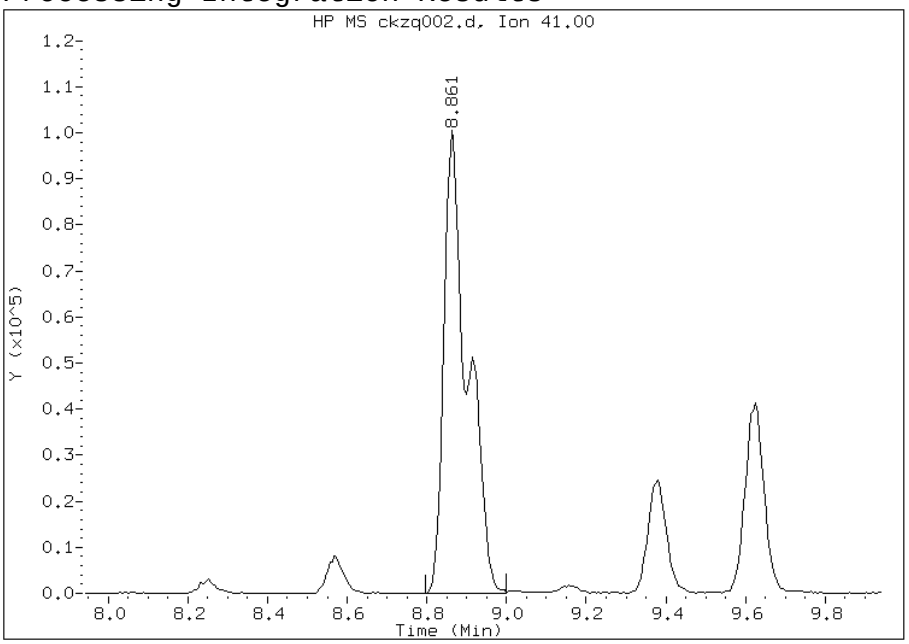
Processing Integration Results

RT: 8.86

Response: 414370

Amount: 28.73

Conc: 28.73



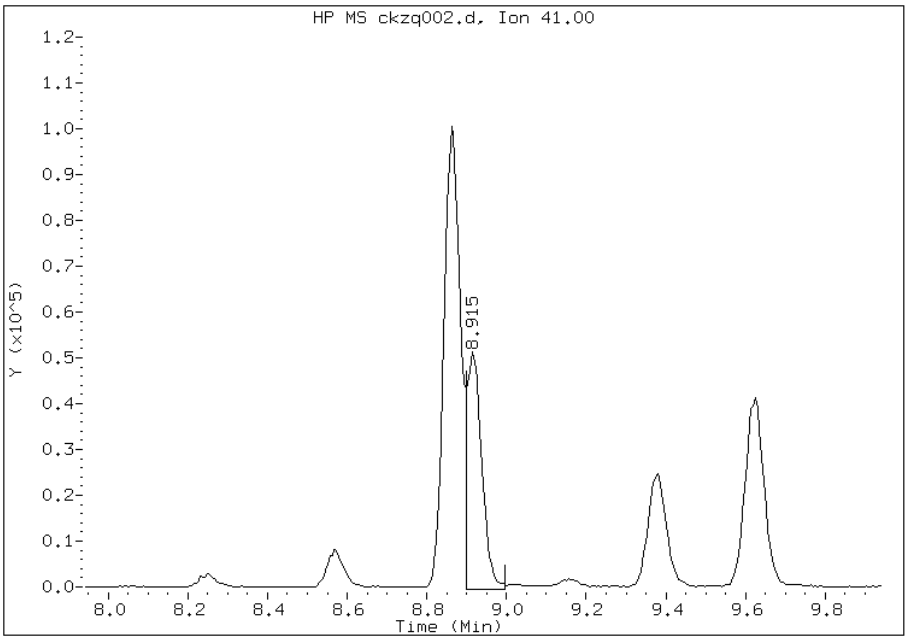
Manual Integration Results

RT: 8.91

Response: 137108

Amount: 9.51

Conc: 9.51



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckzto15.b/ckz001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 14-AUG-2012 16:28
Operator : wrd Inst ID: C.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/C.i/Csvr.p/ckzto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

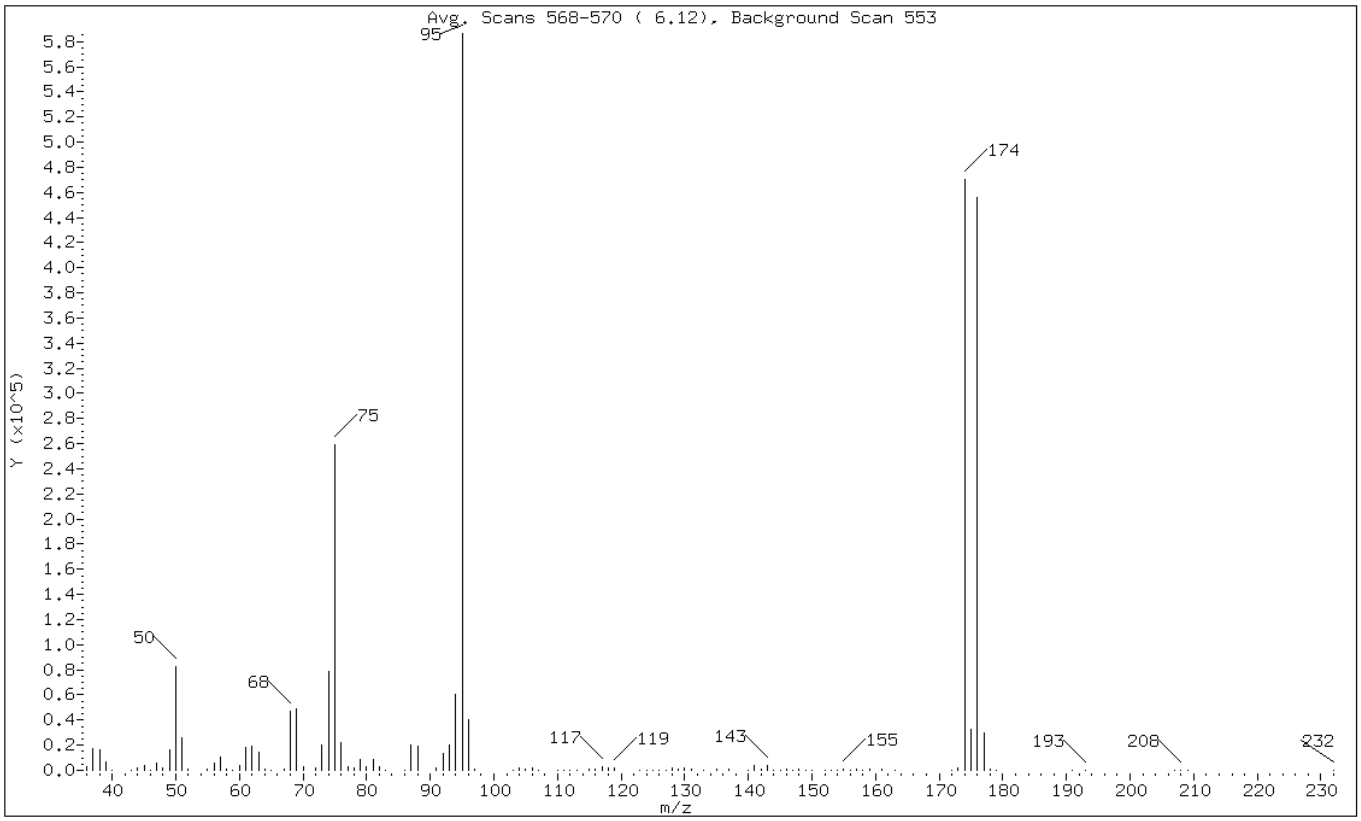
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
6.116	6.760	-0.644	95	586474			100.00- 100.00	100.00
6.116	6.760	-0.644	50	82672			8.00- 40.00	14.10
6.116	6.760	-0.644	75	259264			30.00- 66.00	44.21
6.116	6.760	-0.644	96	40215			5.00- 9.00	6.86
6.116	6.760	-0.644	173	1520			0.00- 2.00	0.32
6.116	6.760	-0.644	174	470464			50.00- 120.00	80.22
6.116	6.760	-0.644	175	32581			4.00- 9.00	6.93
6.116	6.760	-0.644	176	455701			93.00- 101.00	96.86
6.116	6.760	-0.644	177	30111			5.00- 9.00	6.61

Data File: ckz001.d
Client ID: BFB
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB
1 bfb

Date: 14-AUG-2012 16:28
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.10
75	30.00 - 66.00% of mass 95	44.21
96	5.00 - 9.00% of mass 95	6.86
173	Less than 2.00% of mass 174	0.26 (0.32)
174	50.00 - 120.00% of mass 95	80.22
175	4.00 - 9.00% of mass 174	5.56 (6.93)
176	93.00 - 101.00% of mass 174	77.70 (96.86)
177	5.00 - 9.00% of mass 176	5.13 (6.61)

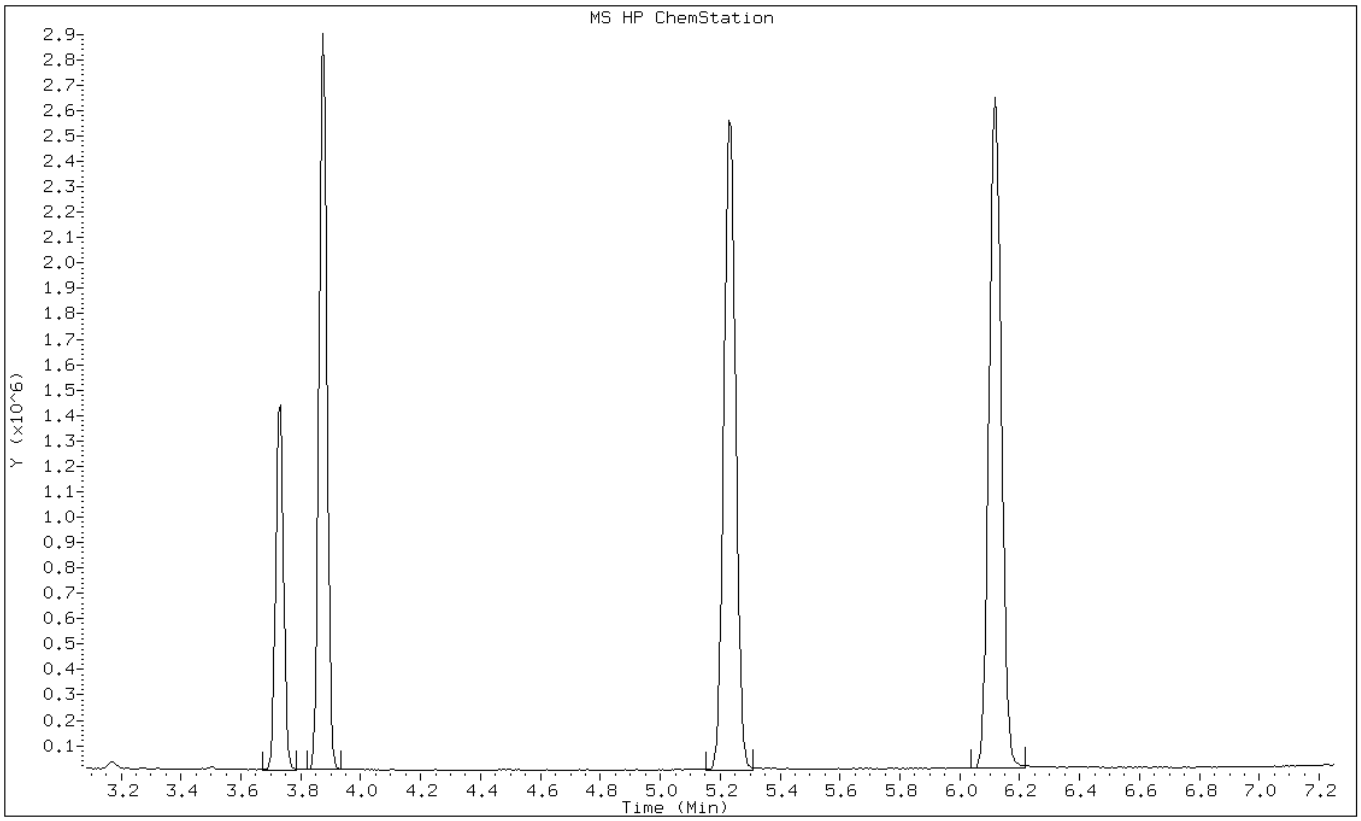
Data File: ckz001.d
Client ID: BFB
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 14-AUG-2012 16:28
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckzto15.b/ckz001.d
Spectrum: Avg. Scans 568-570 (6.12), Background Scan 553
Location of Maximum: 95.00
Number of points: 113

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2985	70.00	3336	111.00	228	149.00	403
37.00	17592	72.00	2162	112.00	67	150.00	454
38.00	16247	73.00	19888	113.00	287	152.00	157
39.00	6378	74.00	78856	115.00	555	153.00	417
40.00	152	75.00	259264	116.00	1431	154.00	318
43.00	153	76.00	21600	117.00	2678	155.00	1255
44.00	1517	77.00	2864	118.00	1676	156.00	228
45.00	3364	78.00	1876	119.00	2168	157.00	917
46.00	76	79.00	8261	123.00	75	158.00	175
47.00	5843	80.00	3193	124.00	270	159.00	627
48.00	2098	81.00	8429	125.00	146	161.00	699
49.00	16400	82.00	2522	126.00	84	163.00	77
50.00	82672	83.00	75	127.00	272	172.00	66
51.00	25936	86.00	396	128.00	1734	173.00	1520
52.00	1027	87.00	19680	129.00	853	174.00	470464
55.00	875	88.00	19512	130.00	1836	175.00	32576
56.00	5519	91.00	1563	131.00	796	176.00	455680
57.00	10744	92.00	13480	133.00	346	177.00	30104
58.00	512	93.00	20224	135.00	616	178.00	877
59.00	77	94.00	60048	137.00	690	179.00	73
60.00	3459	95.00	586432	140.00	381	191.00	69
61.00	18464	96.00	40208	141.00	3959	193.00	162
62.00	19304	97.00	1298	142.00	491	207.00	323
63.00	14637	103.00	105	143.00	4195	208.00	376
64.00	1316	104.00	1589	144.00	240	209.00	199
65.00	75	105.00	687	145.00	370	232.00	273
67.00	1043	106.00	1729	146.00	701		
68.00	46808	107.00	432	147.00	193		
69.00	49264	110.00	165	148.00	1188		

Data File:	ckz001.d	Date:	14-AUG-2012 16:28
Client ID:	BFB	Instrument:	C.i
Operator:	wrd	Inj Vol:	0.0 (ul)
Column Type:	Capillary	Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckzqto15.b/ckzq001.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 07-SEP-2012 12:13
Operator : wrd Inst ID: C.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/C.i/Csvr.p/ckzqto15.b/bfbto15.m
Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

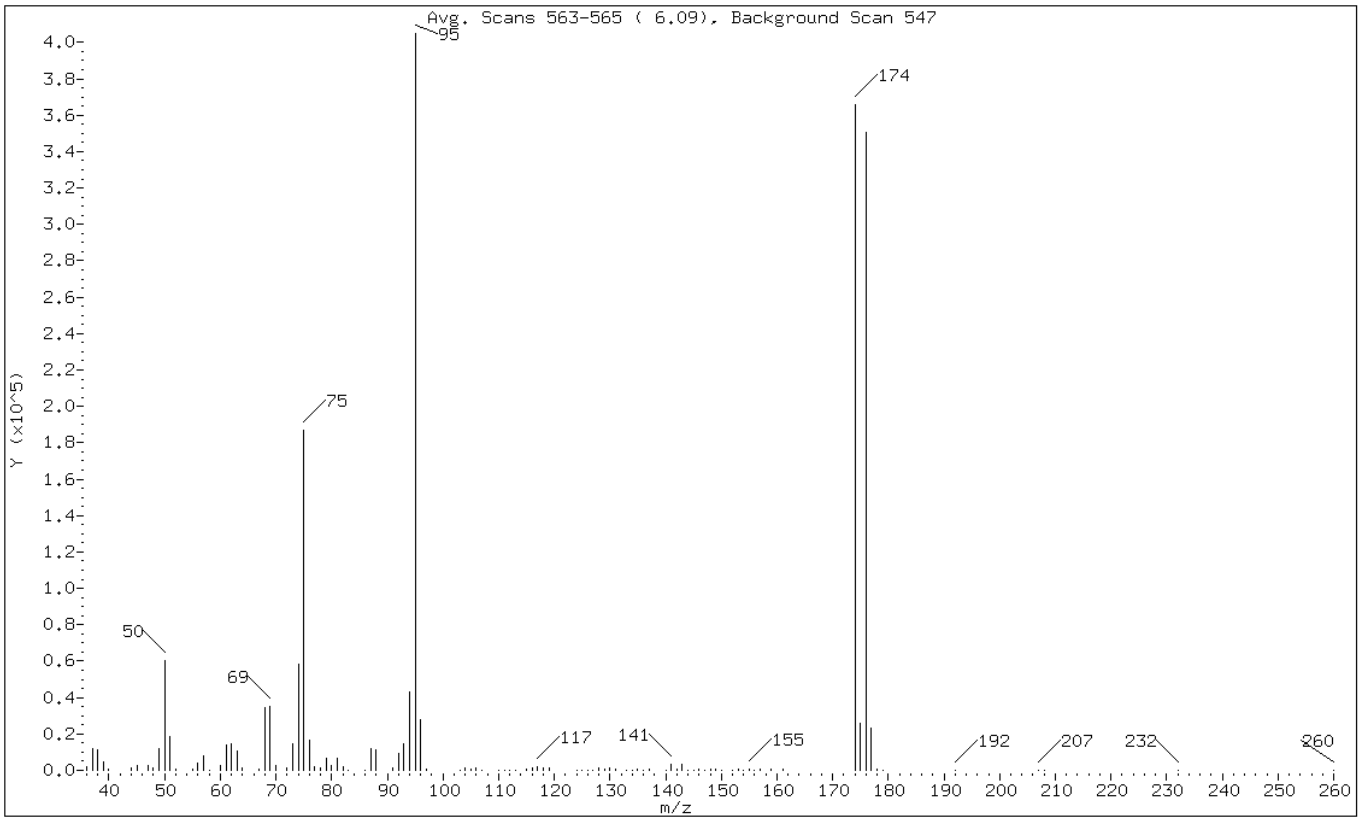
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
$ 1 bfb						CAS #: 460-00-4		
6.090	6.760	-0.670	95	404906			100.00- 100.00	100.00
6.090	6.760	-0.670	50	60528			8.00- 40.00	14.95
6.090	6.760	-0.670	75	187008			30.00- 66.00	46.19
6.090	6.760	-0.670	96	28167			5.00- 9.00	6.96
6.090	6.760	-0.670	173	0			0.00- 2.00	0.00
6.090	6.760	-0.670	174	365589			50.00- 120.00	90.29
6.090	6.760	-0.670	175	25869			4.00- 9.00	7.08
6.090	6.760	-0.670	176	350826			93.00- 101.00	95.96
6.090	6.760	-0.670	177	23291			5.00- 9.00	6.64

Data File:	ckzq001.d	Date:	07-SEP-2012 12:13
Client ID:	BFB	Instrument:	C.i
Operator:	wrd	Inj Vol:	0.0 (ul)
Column Type:	Capillary	Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	14.95
75	30.00 - 66.00% of mass 95	46.19
96	5.00 - 9.00% of mass 95	6.96
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	90.29
175	4.00 - 9.00% of mass 174	6.39 (7.08)
176	93.00 - 101.00% of mass 174	86.64 (95.96)
177	5.00 - 9.00% of mass 176	5.75 (6.64)

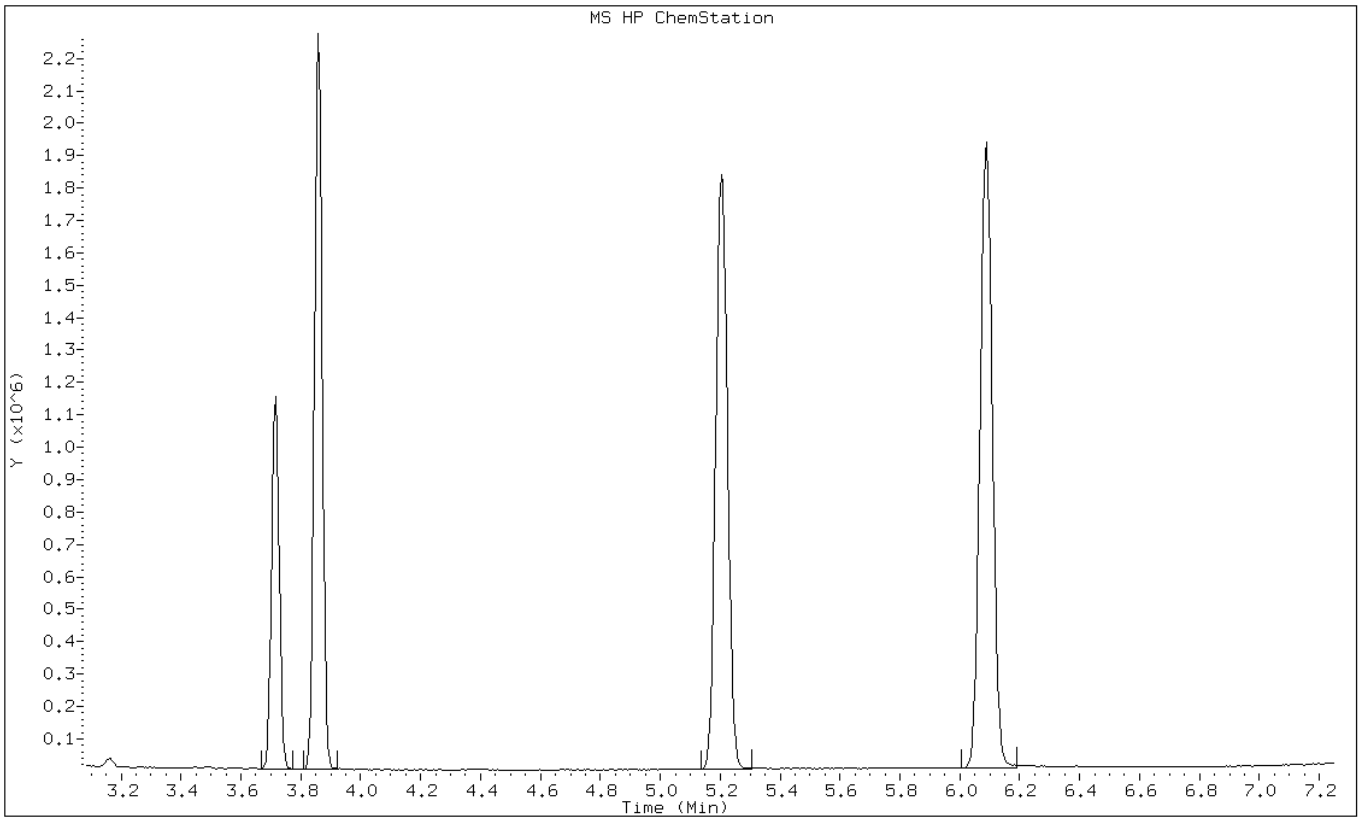
Data File: ckzq001.d
Client ID: BFB
Operator: wrd
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 07-SEP-2012 12:13
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckzqto15.b/ckzq001.d
Spectrum: Avg. Scans 563-565 (6.09), Background Scan 547
Location of Maximum: 95.00
Number of points: 105

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2148	73.00	14521	111.00	162	146.00	618
37.00	12131	74.00	58376	112.00	135	147.00	175
38.00	11398	75.00	187008	113.00	247	148.00	851
39.00	4556	76.00	16304	115.00	362	149.00	416
40.00	387	77.00	1984	116.00	1204	150.00	324
44.00	1312	78.00	1154	117.00	1846	152.00	72
45.00	2426	79.00	6735	118.00	1376	153.00	375
47.00	2895	80.00	2449	119.00	1537	154.00	312
48.00	1604	81.00	6858	124.00	150	155.00	941
49.00	11664	82.00	1922	125.00	82	156.00	147
50.00	60528	83.00	71	126.00	93	157.00	700
51.00	18680	86.00	240	127.00	77	159.00	359
52.00	760	87.00	11694	128.00	1293	161.00	458
55.00	785	88.00	11457	129.00	613	174.00	365568
56.00	3968	91.00	1190	130.00	1309	175.00	25864
57.00	8140	92.00	9458	131.00	570	176.00	350784
58.00	214	93.00	14638	133.00	11	177.00	23288
60.00	2581	94.00	43376	134.00	147	178.00	727
61.00	14068	95.00	404864	135.00	514	179.00	67
62.00	14572	96.00	28160	136.00	163	192.00	83
63.00	10848	97.00	869	137.00	706	207.00	248
64.00	997	103.00	15	140.00	147	208.00	28
67.00	668	104.00	1130	141.00	3254	232.00	310
68.00	34696	105.00	551	142.00	428	260.00	214
69.00	35296	106.00	1150	143.00	3033		
70.00	2593	107.00	319	144.00	151		
72.00	1508	110.00	81	145.00	178		

Data File:	ckzq001.d	Date:	07-SEP-2012 12:13
Client ID:	BFB	Instrument:	C.i
Operator:	wrd	Inj Vol:	0.0 (ul)
Column Type:	Capillary	Diameter:	0.32 (mm)
Stationary Phase:	RTX-624		
Sample Info:	BFB		
Lab Sample ID:	BFB		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: | Lab Sample ID: MB 200-44641/4

Matrix: Air | Lab File ID: ckzq004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 09/07/2012 14:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 44641 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	0.50	U	0.50	0.020
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	0.20	U	0.20	0.020
75-01-4	Vinyl chloride	62.50	0.20	U	0.20	0.0091
106-99-0	1,3-Butadiene	54.09	0.20	U	0.20	0.025
74-83-9	Bromomethane	94.94	0.20	U	0.20	0.027
75-00-3	Chloroethane	64.52	0.50	U	0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.20	U	0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	0.20	U	0.20	0.021
75-35-4	1,1-Dichloroethene	96.94	0.20	U	0.20	0.086
107-05-1	3-Chloropropene	76.53	0.50	U	0.50	0.047
75-09-2	Methylene Chloride	84.93	0.50	U	0.50	0.023
1634-04-4	Methyl tert-butyl ether	88.15	0.20	U	0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	0.20	U	0.20	0.023
110-54-3	n-Hexane	86.17	0.20	U	0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	0.20	U	0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	0.20	U	0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	0.20	U	0.20	0.023
67-66-3	Chloroform	119.38	0.20	U	0.20	0.024
71-55-6	1,1,1-Trichloroethane	133.41	0.20	U	0.20	0.020
110-82-7	Cyclohexane	84.16	0.20	U	0.20	0.019
56-23-5	Carbon tetrachloride	153.81	0.20	U	0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	0.20	U	0.20	0.015
71-43-2	Benzene	78.11	0.20	U	0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	0.20	U	0.20	0.018
142-82-5	n-Heptane	100.21	0.20	U	0.20	0.017
79-01-6	Trichloroethene	131.39	0.20	U	0.20	0.0092
78-87-5	1,2-Dichloropropane	112.99	0.20	U	0.20	0.023
75-27-4	Bromodichloromethane	163.83	0.20	U	0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	0.20	U	0.20	0.013
108-88-3	Toluene	92.14	0.20	U	0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	0.20	U	0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	0.20	U	0.20	0.016
127-18-4	Tetrachloroethene	165.83	0.20	U	0.20	0.015

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: Lab Sample ID: MB 200-44641/4

Matrix: Air Lab File ID: ckzq004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/07/2012 14:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44641 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	208.29	0.20	U	0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	0.20	U	0.20	0.014
100-41-4	Ethylbenzene	106.17	0.20	U	0.20	0.015
179601-23-1	m,p-Xylene	106.17	0.50	U	0.50	0.022
95-47-6	Xylene, o-	106.17	0.20	U	0.20	0.016
1330-20-7	Xylene (total)	106.17	0.20	U	0.20	0.016
75-25-2	Bromoform	252.75	0.20	U	0.20	0.0072
79-34-5	1,1,2,2-Tetrachloroethan e	167.85	0.20	U	0.20	0.011
622-96-8	4-Ethyltoluene	120.20	0.20	U	0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	0.20	U	0.20	0.019

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: | Lab Sample ID: MB 200-44641/4

Matrix: Air | Lab File ID: ckzq004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 09/07/2012 14:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 44641 | Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	2.5	U	2.5	0.099
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	1.4	U	1.4	0.14
75-01-4	Vinyl chloride	62.50	0.51	U	0.51	0.023
106-99-0	1,3-Butadiene	54.09	0.44	U	0.44	0.055
74-83-9	Bromomethane	94.94	0.78	U	0.78	0.10
75-00-3	Chloroethane	64.52	1.3	U	1.3	0.087
593-60-2	Bromoethene(Vinyl Bromide)	106.96	0.87	U	0.87	0.083
75-69-4	Trichlorofluoromethane	137.37	1.1	U	1.1	0.12
75-35-4	1,1-Dichloroethene	96.94	0.79	U	0.79	0.34
107-05-1	3-Chloropropene	76.53	1.6	U	1.6	0.15
75-09-2	Methylene Chloride	84.93	1.7	U	1.7	0.080
1634-04-4	Methyl tert-butyl ether	88.15	0.72	U	0.72	0.054
156-60-5	trans-1,2-Dichloroethene	96.94	0.79	U	0.79	0.091
110-54-3	n-Hexane	86.17	0.70	U	0.70	0.070
75-34-3	1,1-Dichloroethane	98.96	0.81	U	0.81	0.093
156-59-2	cis-1,2-Dichloroethene	96.94	0.79	U	0.79	0.33
540-59-0	1,2-Dichloroethene, Total	96.94	0.79	U	0.79	0.091
67-66-3	Chloroform	119.38	0.98	U	0.98	0.12
71-55-6	1,1,1-Trichloroethane	133.41	1.1	U	1.1	0.11
110-82-7	Cyclohexane	84.16	0.69	U	0.69	0.065
56-23-5	Carbon tetrachloride	153.81	1.3	U	1.3	0.082
540-84-1	2,2,4-Trimethylpentane	114.23	0.93	U	0.93	0.070
71-43-2	Benzene	78.11	0.64	U	0.64	0.058
107-06-2	1,2-Dichloroethane	98.96	0.81	U	0.81	0.073
142-82-5	n-Heptane	100.21	0.82	U	0.82	0.070
79-01-6	Trichloroethene	131.39	1.1	U	1.1	0.049
78-87-5	1,2-Dichloropropane	112.99	0.92	U	0.92	0.11
75-27-4	Bromodichloromethane	163.83	1.3	U	1.3	0.080
10061-01-5	cis-1,3-Dichloropropene	110.97	0.91	U	0.91	0.059
108-88-3	Toluene	92.14	0.75	U	0.75	0.053
10061-02-6	trans-1,3-Dichloropropene	110.97	0.91	U	0.91	0.068
79-00-5	1,1,2-Trichloroethane	133.41	1.1	U	1.1	0.087
127-18-4	Tetrachloroethene	165.83	1.4	U	1.4	0.10

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: Lab Sample ID: MB 200-44641/4

Matrix: Air Lab File ID: ckzq004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 09/07/2012 14:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 44641 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	208.29	1.7	U	1.7	0.094
106-93-4	1,2-Dibromoethane	187.87	1.5	U	1.5	0.11
100-41-4	Ethylbenzene	106.17	0.87	U	0.87	0.065
179601-23-1	m,p-Xylene	106.17	2.2	U	2.2	0.096
95-47-6	Xylene, o-	106.17	0.87	U	0.87	0.069
1330-20-7	Xylene (total)	106.17	0.87	U	0.87	0.069
75-25-2	Bromoform	252.75	2.1	U	2.1	0.074
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.4	U	1.4	0.076
622-96-8	4-Ethyltoluene	120.20	0.98	U	0.98	0.074
108-67-8	1,3,5-Trimethylbenzene	120.20	0.98	U	0.98	0.093

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzqto15.b/ckzq004.d
Lab Smp Id: mb
Inj Date : 07-SEP-2012 14:49
Operator : wrd Inst ID: C.i
Smp Info : mb
Misc Info : 200,1,mb
Comment :
Method : /chem/C.i/Csvr.p/ckzqto15.b/to15v5.m
Meth Date : 10-Sep-2012 09:03 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	Compound Not Detected.					
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
11 2-Methylbutane	43	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
14 Pentane	43	Compound Not Detected.					

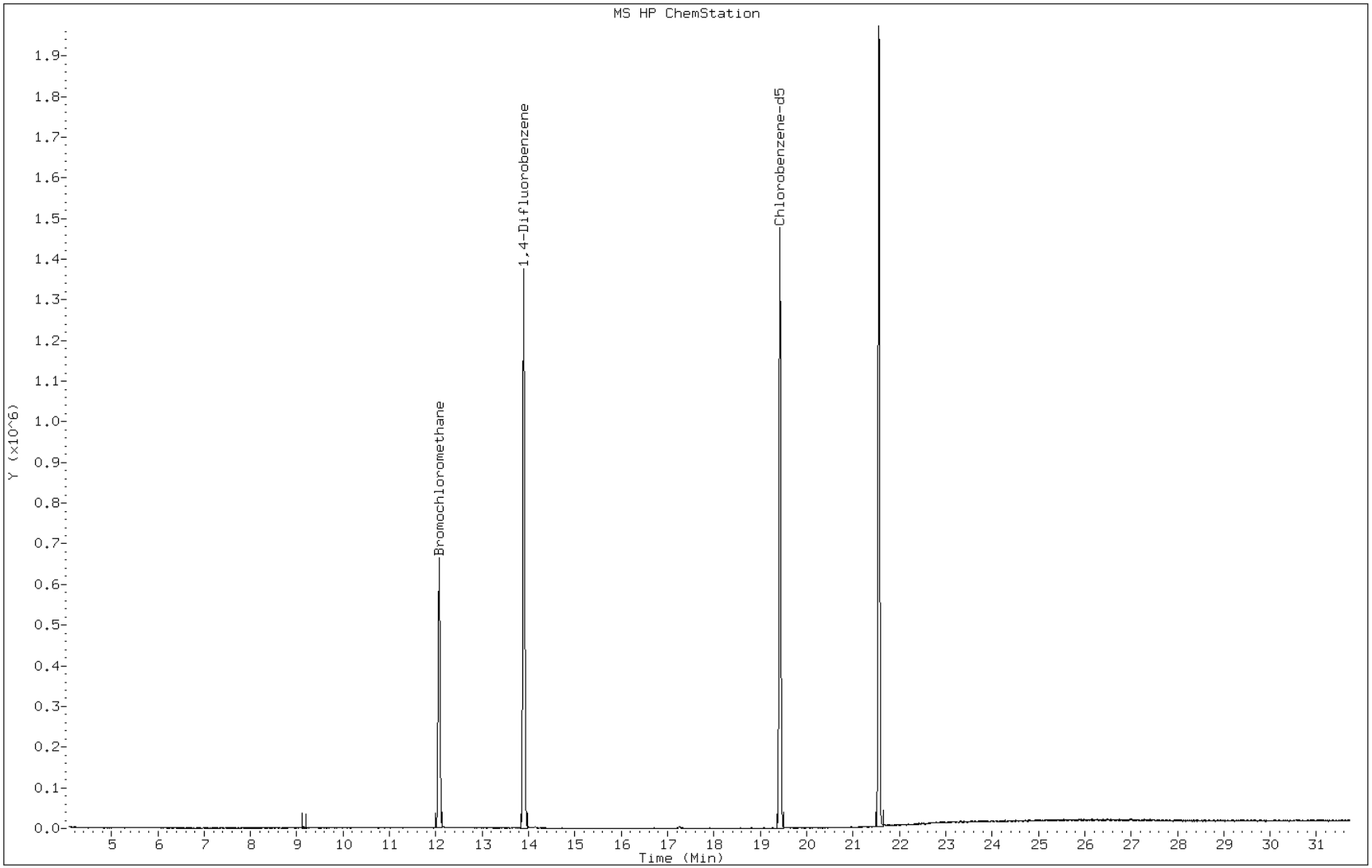
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	Compound Not Detected.					
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	12.069	12.096	(1.000)	309654	10.0000	(Q)
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	13.894	13.921	(1.000)	1815215	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	57 n-Octane	43	Compound Not Detected.					
	58 Toluene	92	Compound Not Detected.					
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.423	19.450	(1.000)	1519460	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 n-Nonane	57	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	76 n-Propylbenzene	91	Compound Not Detected.					
	77 1,2,3-Trichloropropane	75	Compound Not Detected.					
	78 n-Decane	57	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	80 2-Chlorotoluene	91	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	82 Alpha Methyl Styrene	118	Compound Not Detected.					
	83 tert-butylbenzene	119	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	85 sec-Butylbenzene	105	Compound Not Detected.					
	86 4-Isopropyltoluene	119	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					
	89 Benzyl chloride	91	Compound Not Detected.					
	90 Undecane	57	Compound Not Detected.					
	91 n-Butylbenzene	91	Compound Not Detected.					
	92 1,2-Dichlorobenzene	146	Compound Not Detected.					
	93 Dodecane	57	Compound Not Detected.					
	94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
	96 Naphthalene	128	Compound Not Detected.					
	97 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File:	ckzq004.d	Date:	07-SEP-2012 14:49
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: | Lab Sample ID: LCS 200-44641/3

Matrix: Air | Lab File ID: ckzq003.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 09/07/2012 13:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 44641 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	120.91	9.35		0.50	0.020
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	9.20		0.20	0.020
75-01-4	Vinyl chloride	62.50	8.25		0.20	0.0091
106-99-0	1,3-Butadiene	54.09	8.49		0.20	0.025
74-83-9	Bromomethane	94.94	8.72		0.20	0.027
75-00-3	Chloroethane	64.52	8.16		0.50	0.033
593-60-2	Bromoethene(Vinyl Bromide)	106.96	9.72		0.20	0.019
75-69-4	Trichlorofluoromethane	137.37	9.51		0.20	0.021
75-35-4	1,1-Dichloroethene	96.94	10.2		0.20	0.086
107-05-1	3-Chloropropene	76.53	8.29		0.50	0.047
75-09-2	Methylene Chloride	84.93	8.72		0.50	0.023
1634-04-4	Methyl tert-butyl ether	88.15	9.00		0.20	0.015
156-60-5	trans-1,2-Dichloroethene	96.94	8.82		0.20	0.023
110-54-3	n-Hexane	86.17	8.48		0.20	0.020
75-34-3	1,1-Dichloroethane	98.96	8.67		0.20	0.023
156-59-2	cis-1,2-Dichloroethene	96.94	9.29		0.20	0.084
540-59-0	1,2-Dichloroethene, Total	96.94	18.1		0.20	0.023
67-66-3	Chloroform	119.38	9.25		0.20	0.024
71-55-6	1,1,1-Trichloroethane	133.41	9.51		0.20	0.020
110-82-7	Cyclohexane	84.16	9.10		0.20	0.019
56-23-5	Carbon tetrachloride	153.81	9.47		0.20	0.013
540-84-1	2,2,4-Trimethylpentane	114.23	8.43		0.20	0.015
71-43-2	Benzene	78.11	8.76		0.20	0.018
107-06-2	1,2-Dichloroethane	98.96	9.36		0.20	0.018
142-82-5	n-Heptane	100.21	8.15		0.20	0.017
79-01-6	Trichloroethene	131.39	9.36		0.20	0.0092
78-87-5	1,2-Dichloropropane	112.99	8.36		0.20	0.023
75-27-4	Bromodichloromethane	163.83	9.78		0.20	0.012
10061-01-5	cis-1,3-Dichloropropene	110.97	8.87		0.20	0.013
108-88-3	Toluene	92.14	9.21		0.20	0.014
10061-02-6	trans-1,3-Dichloropropene	110.97	9.04		0.20	0.015
79-00-5	1,1,2-Trichloroethane	133.41	8.54		0.20	0.016
127-18-4	Tetrachloroethene	165.83	10.0		0.20	0.015

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12536-1

SDG No.: 200-12536-1

Client Sample ID: | Lab Sample ID: LCS 200-44641/3

Matrix: Air | Lab File ID: ckzq003.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 09/07/2012 13:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 44641 | Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	208.29	10.5		0.20	0.011
106-93-4	1,2-Dibromoethane	187.87	9.48		0.20	0.014
100-41-4	Ethylbenzene	106.17	8.97		0.20	0.015
179601-23-1	m,p-Xylene	106.17	18.3		0.50	0.022
95-47-6	Xylene, o-	106.17	9.16		0.20	0.016
1330-20-7	Xylene (total)	106.17	27.5		0.20	0.016
75-25-2	Bromoform	252.75	10.6		0.20	0.0072
79-34-5	1,1,2,2-Tetrachloroethane	167.85	8.45		0.20	0.011
622-96-8	4-Ethyltoluene	120.20	9.67		0.20	0.015
108-67-8	1,3,5-Trimethylbenzene	120.20	9.06		0.20	0.019

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckzqto15.b/ckzq003.d
Lab Smp Id: lcs 370622
Inj Date : 07-SEP-2012 13:56
Operator : wrd Inst ID: C.i
Smp Info : lcs 370622
Misc Info : 200,1,lcs
Comment :
Method : /chem/C.i/Csvr.p/ckzqto15.b/to15v5.m
Meth Date : 10-Sep-2012 09:03 wrd Quant Type: ISTD
Cal Date : 15-AUG-2012 08:24 Cal File: ckz015.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41	4.202	4.208	(0.348)	171495	7.87497	7.9
2 Dichlorodifluoromethane	85	4.293	4.304	(0.356)	862476	9.35255	9.4
3 Chlorodifluoromethane	51	4.357	4.363	(0.361)	403228	8.67667	8.7
4 1,2-Dichloro-1,1,2,2-tetraflu	85	4.640	4.651	(0.384)	864200	9.19722	9.2
5 Chloromethane	50	4.800	4.811	(0.398)	209188	8.13440	8.1
6 Butane	43	5.067	5.078	(0.420)	362295	7.96490	8.0
7 Vinyl chloride	62	5.110	5.121	(0.423)	263533	8.25456	8.3
8 1,3-Butadiene	54	5.206	5.217	(0.431)	196170	8.49350	8.5
9 Bromomethane	94	5.996	6.012	(0.497)	267665	8.72233	8.7
10 Chloroethane	64	6.268	6.284	(0.519)	130690	8.16199	8.2
11 2-Methylbutane	43	6.380	6.396	(0.529)	266623	7.69653	7.7
12 Vinyl bromide	106	6.711	6.727	(0.556)	318438	9.72283	9.7
13 Trichlorofluoromethane	101	6.844	6.860	(0.567)	924714	9.50794	9.5
14 Pentane	43	7.010	7.026	(0.581)	414985	7.84874	7.8

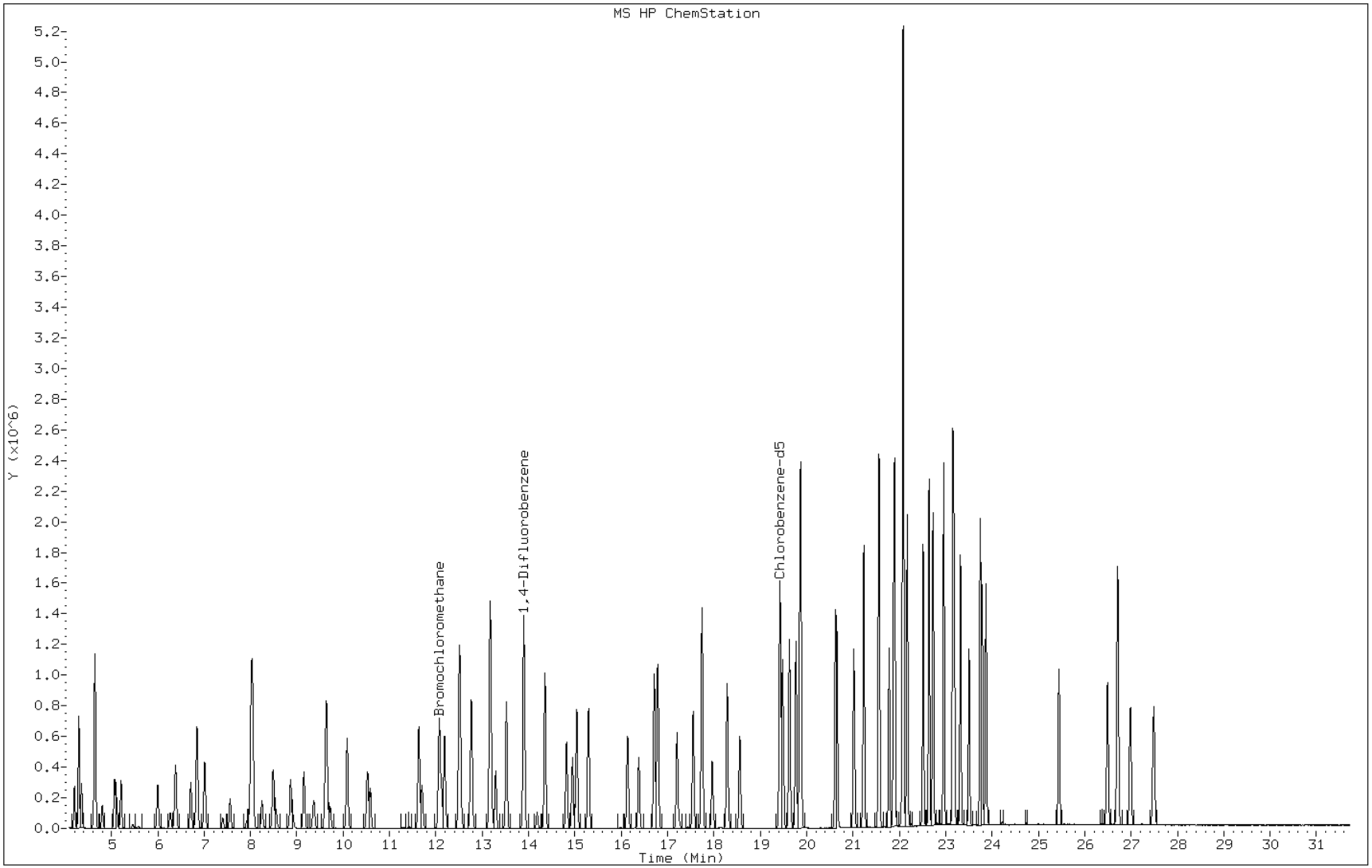
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	7.399	7.426	(0.613)	101675	12.9152	13
	16 Ethyl ether	59	7.559	7.581	(0.626)	162089	8.05205	8.1
	17 1,1,2-Trichloro-1,2,2-trifluo	101	8.018	8.034	(0.664)	687764	10.1137	10
	18 Acrolein	56	7.917	7.938	(0.656)	64666	6.80686	6.8(R)
	19 1,1-Dichloroethene	96	8.050	8.072	(0.667)	326037	10.2093	10
	20 Acetone	43	8.242	8.269	(0.683)	322630	8.72391	8.7
	21 Carbon disulfide	76	8.488	8.509	(0.703)	814048	9.08041	9.1
	22 Isopropanol	45	8.552	8.573	(0.709)	220454	8.48448	8.5
	23 Allyl chloride	41	8.862	8.883	(0.734)	313048	8.28521	8.3(M)
	24 Acetonitrile	41	8.915	8.942	(0.739)	123321	8.10303	8.1(QM)
	25 Methylene chloride	49	9.155	9.177	(0.759)	275033	8.71799	8.7
	26 Tert-butyl alcohol	59	9.363	9.390	(0.776)	349008	8.83070	8.8
	27 Methyl tert-butyl ether	73	9.625	9.641	(0.797)	800088	9.00006	9.0
	28 1,2-Dichloroethene (trans)	61	9.646	9.668	(0.799)	414605	8.82224	8.8
	29 Acrylonitrile	53	9.721	9.748	(0.805)	150375	8.28757	8.3
	30 n-Hexane	57	10.084	10.105	(0.836)	431134	8.48216	8.5
	31 1,1-Dichloroethane	63	10.527	10.548	(0.872)	523761	8.66963	8.7
	32 Vinyl acetate	43	10.585	10.607	(0.877)	519630	8.17376	8.2
M	33 1,2-Dichloroethene,Total	61				763937	18.1157	18
	34 1,2-Dichloroethene (cis)	96	11.626	11.653	(0.963)	349332	9.29348	9.3
	35 Ethyl acetate	88	11.706	11.728	(0.970)	24608	8.85264	8.9
	36 Methyl Ethyl Ketone	72	11.647	11.674	(0.965)	118269	8.41654	8.4(Q)
*	37 Bromochloromethane	128	12.069	12.096	(1.000)	335864	10.0000	(Q)
	38 Tetrahydrofuran	42	12.117	12.139	(0.872)	227098	7.86734	7.9
	39 Chloroform	83	12.192	12.213	(1.010)	694214	9.25269	9.3
	40 Cyclohexane	84	12.528	12.544	(0.901)	468507	9.09646	9.1
	41 1,1,1-Trichloroethane	97	12.501	12.528	(0.899)	796743	9.50584	9.5
	42 Carbon tetrachloride	117	12.763	12.784	(0.918)	838174	9.47188	9.5
	43 2,2,4-Trimethylpentane	57	13.179	13.201	(0.948)	1365477	8.43084	8.4
	44 Benzene	78	13.168	13.190	(0.947)	952203	8.75580	8.8
	45 1,2-Dichloroethane	62	13.291	13.318	(0.956)	457901	9.36109	9.4
	46 n-Heptane	43	13.521	13.542	(0.973)	471695	8.14899	8.1
*	47 1,4-Difluorobenzene	114	13.900	13.921	(1.000)	1836193	10.0000	
	48 n-Butanol	56	14.188	14.209	(1.021)	88895	8.36405	8.4
	49 Trichloroethene	95	14.353	14.375	(1.033)	478839	9.35582	9.4
	50 1,2-Dichloropropane	63	14.818	14.844	(1.066)	302150	8.35524	8.4
	51 Methyl methacrylate	69	14.946	14.972	(1.075)	264021	8.55132	8.6
	52 Dibromomethane	174	15.042	15.069	(1.082)	475024	10.1446	10
	53 1,4-Dioxane	88	15.015	15.042	(1.080)	109889	8.53074	8.5
	54 Bromodichloromethane	83	15.293	15.319	(1.100)	782825	9.78146	9.8
	55 1,3-Dichloropropene (cis)	75	16.136	16.163	(1.161)	527091	8.87199	8.9
	56 Methyl isobutyl ketone	43	16.381	16.408	(1.179)	429755	8.36996	8.4
	57 n-Octane	43	16.787	16.808	(1.208)	637782	8.16728	8.2
	58 Toluene	92	16.712	16.734	(0.860)	729661	9.20990	9.2
	59 1,3-Dichloropropene (trans)	75	17.203	17.230	(1.238)	532382	9.04077	9.0
	60 1,1,2-Trichloroethane	83	17.550	17.577	(0.904)	305106	8.53704	8.5
	61 Tetrachloroethene	166	17.742	17.764	(0.913)	750510	10.0474	10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	62 2-Hexanone	43	17.961	17.993	(0.925)	403885	8.75183	8.8
	63 Dibromochloromethane	129	18.287	18.313	(0.941)	823837	10.4806	10
	64 1,2-Dibromoethane	107	18.559	18.586	(0.955)	655418	9.47932	9.5
*	65 Chlorobenzene-d5	117	19.423	19.450	(1.000)	1652588	10.0000	
	66 Chlorobenzene	112	19.482	19.509	(1.003)	1061742	9.25633	9.3
	67 n-Nonane	57	19.770	19.792	(1.018)	611343	8.42799	8.4
	68 Ethylbenzene	91	19.631	19.653	(1.011)	1495419	8.97372	9.0
	69 Xylene (m,p)	106	19.866	19.893	(1.023)	1271386	18.3128	18
M	70 Xylenes, Total	106				1886905	27.4702	27
	71 Xylene (o)	106	20.624	20.646	(1.062)	615519	9.15738	9.2
	72 Styrene	104	20.656	20.678	(1.063)	913022	9.60536	9.6
	73 Bromoform	173	21.019	21.041	(1.082)	808394	10.6074	11
	74 Isopropylbenzene	105	21.232	21.254	(1.093)	1782870	9.22121	9.2
	75 1,1,2,2-Tetrachloroethane	83	21.777	21.798	(1.121)	739078	8.44994	8.4
	76 n-Propylbenzene	91	21.900	21.916	(1.127)	1976391	9.14887	9.1
	77 1,2,3-Trichloropropane	75	21.878	21.900	(1.126)	618980	8.75151	8.8
	78 n-Decane	57	22.081	22.097	(1.137)	729924	8.86853	8.9
	79 4-Ethyltoluene	105	22.076	22.092	(1.137)	1810917	9.67498	9.7
	80 2-Chlorotoluene	91	22.086	22.103	(1.137)	1494396	9.32214	9.3
	81 1,3,5-Trimethylbenzene	105	22.172	22.193	(1.141)	1470712	9.05933	9.1
	82 Alpha Methyl Styrene	118	22.513	22.535	(1.159)	767824	10.1366	10
	83 tert-butylbenzene	119	22.641	22.658	(1.166)	1526497	9.35227	9.4
	84 1,2,4-Trimethylbenzene	105	22.727	22.748	(1.170)	1417026	9.02234	9.0
	85 sec-Butylbenzene	105	22.956	22.972	(1.182)	2108851	9.19427	9.2
	86 4-Isopropyltoluene	119	23.154	23.170	(1.192)	1882590	9.66730	9.7
	87 1,3-Dichlorobenzene	146	23.186	23.202	(1.194)	1047432	9.46809	9.5
	88 1,4-Dichlorobenzene	146	23.319	23.335	(1.201)	1016428	9.48773	9.5
	89 Benzyl chloride	91	23.506	23.522	(1.210)	1099133	9.46045	9.5
	90 Undecane	57	23.789	23.805	(1.225)	647166	8.48278	8.5
	91 n-Butylbenzene	91	23.746	23.768	(1.223)	1414410	9.66459	9.7
	92 1,2-Dichlorobenzene	146	23.874	23.890	(1.229)	967727	9.40611	9.4
	93 Dodecane	57	25.443	25.465	(1.310)	468532	10.7389	11
	94 1,2,4-Trichlorobenzene	180	26.489	26.516	(1.364)	545720	11.8737	12
	95 1,3-Hexachlorobutadiene	225	26.713	26.735	(1.375)	595150	10.1139	10
	96 Naphthalene	128	26.986	27.012	(1.389)	1172867	12.8437	13
	97 1,2,3-Trichlorobenzene	180	27.487	27.514	(1.415)	493633	13.9260	14(R)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File:	ckzq003.d	Date:	07-SEP-2012 13:56
Client ID:		Instrument:	C.i
Operator:	wrd	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	lcs 370622		
Lab Sample ID:	lcs 370622		



Manual Integration Report

Data File: ckzq003.d
Lab Sample ID: lcs 370622
Inj. Date and Time: 07-SEP-2012 13:56
Instrument ID: C.i
Client ID:
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 09/10/2012

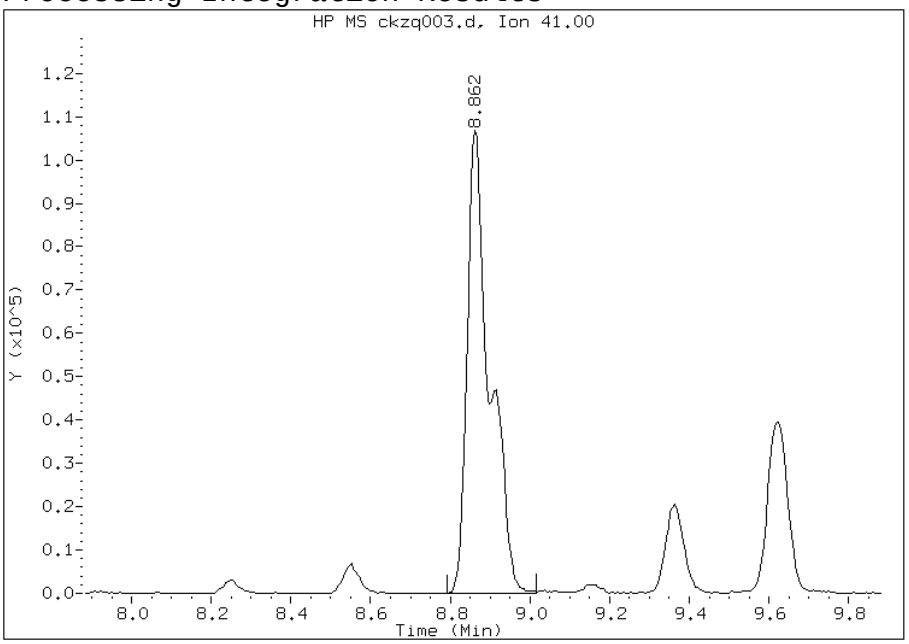
Processing Integration Results

RT: 8.86

Response: 422980

Amount: 11.19

Conc: 11.19



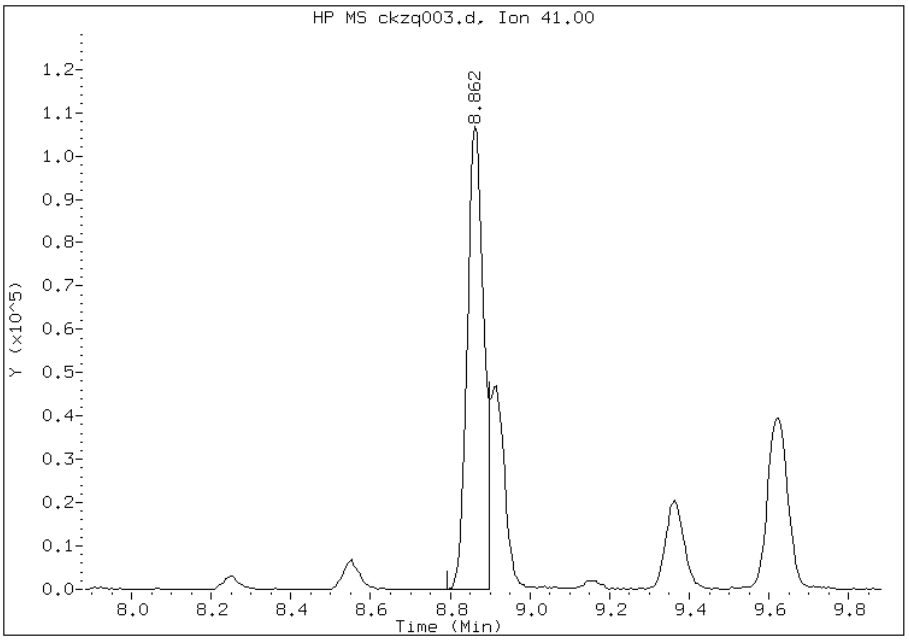
Manual Integration Results

RT: 8.86

Response: 313048

Amount: 8.29

Conc: 8.29



File Uploaded By: wrd
Manual Integration Reason: Baseline event

GC/MS Air Instrument Run Log

Sequence			Standard Traceability	Instrument Information
Target Batch ID: CK2	Start Date: 8/15/12	Time: 1625	ISTD Container ID: 2408052	Instrument ID: C
Test Method: TO15	End Date: 8/15/12	Time: 1623	CCV Container ID: see comment	Instrument: 5973
ICAL Date: 8/15/12			ICV/LCS Container ID: see comment	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Mark Phillips MTP — Angela H. Kearney AHK — William D. Coffelt WDC

Mark Phillips — Angela H. Kearney — William D. Coffelt

Sequence Information								Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
1625	01	NA	BFB	NA	NA	NA	WDC	NA	✓		
1721	02	4632	vibblk	1	1	200	1	✓	✓	AHK	
1813	03	3142	IC level 8	1	2	40	1	✓	✓	1	376683
1907	04	3142	IC level 1	1	2	200	1	✓	✓	1	376683
2000	05	3611	IC level 2	1	3	1	1	✓	✓	1	376702
2053	06	3634	IC level 3	1	4	1	1	✓	✓	1	370609
2140	07	4233	IC level 4	1	5	1	1	✓	✓	1	370617 Do not use
2241	08	3031	IC level 5	1	6	1	AHK	✓	✓	1	370603
2334	09	4943	IC level 6	1	7	1	1	✓	✓	WDC	370601
0028	10	3649	IC level 7	1	8	1	1	✓	✓	1	370607
0122	11	4632	vibblk	1	1	1	1			1	
0215	12	2519	ICV	1	9	1	1			1	370604
0308	13	2518	LCS	1	9	1	1			1	370604
0402	14	4632	MB	1	1	1	1			1	
0821	15	3642	ICS Body	NA	3	200	NA	✓	✓	1	370604
0922	16	2518	Internal ISL	1	9	1	1			1	370620 Do not use
1016	17	4632	VIBLK	1	1	1	1			1	
1109	18	3642	ICV	1	9	1	1	✓	✓	1	370622

8/15/12

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

GC/MS Air Instrument Run Log

Sequence		Standard Traceability	Instrument Information
Target Batch ID: CK20	Start Date: 9/07/12 Time: 1213	ISTD Container ID: 248052	Instrument ID: C
Test Method: TO15	End Date: 9/08/12 Time: 1213	CCV Container ID: 380816	Instrument: 5973
ICAL Date: 8/14/12	~~(4/07/12)~~ 1/2 NC	ICV/LCS Container ID: 376622	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Sequence Information								Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
1213	CK20 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	
1304	002	3510	CCV IS		1	200	WRD		✓		AG
1356	003	3482	LCS		2	200		✓	✓		[illegible]
1449	004	4634	MB		3	200		✓	✓	AAW	[illegible]
1543	005	[illegible]	4 PBW-11	0.2	4	1000		✓	✓		C
1626	006	3556	12576-11	1	5	1		✓	✓		C
1720	007	[illegible]	12593-1	3200	6	40		✓	✓		1/100 dil C
1812	008		-2	1	7	200		✓	✓		C
1910	009		-3	1	8	1		✓	✓		C
2010	010	[illegible]	12577-6	0.2	9	1000			✓	KRD	
2103	011	3483	12575-2	1	10	1			✓		
2157	012	4077	12535-01	1	11	200	AAW		✓		C
2250	013	[illegible]	-03	1	12	200			✓		C
2343	014	[illegible]	-02	2	12	100			✓		[illegible]
2437	015	[illegible]	-03	1	13	200		✓	✓		C
2530	016	4655	13455-01	10	14	10		✓	✓		C
2623	017	A1045D	-02	10	15	20		✓	✓		C
2717	018	A1085D	-03	10	16	20		✓	✓		C
2810	019	5099	-04	1	1	200		✓	✓		C
2903	020	3336	-05	1	2	200		✓	✓		C
2957	021	4331	12536-01	1	3	200		✓	✓		C
3050	022	4874	-03	1	4	1		✓	✓		C
3144	023	2408	-03	1	5	1		✓	✓		C
3238	024	3641	12514-01	10.0	6	51		✓	✓ ↑		COC 2.5L
3331	025	3641	-01	19.7	6	26		✓	✓ ↓		COC 1.2L 2.5L [illegible]
1025	026	3641	-02	10.1	7	34		✓	✓		COC 1.4L

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Instrument ID: C.i Start Date: 08/14/2012 16:28

Analysis Batch Number: 43490 End Date: 08/15/2012 11:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-43490/1		08/14/2012 16:28	1	ckz001.d	RTX-624 0.32(mm)
VIBLK 200-43490/2		08/14/2012 17:21	1		RTX-624 0.32(mm)
IC 200-43490/3		08/14/2012 18:13	1	ckz003.d	RTX-624 0.32(mm)
IC 200-43490/4		08/14/2012 19:07	1	ckz004.d	RTX-624 0.32(mm)
IC 200-43490/5		08/14/2012 20:00	1	ckz005.d	RTX-624 0.32(mm)
IC 200-43490/6		08/14/2012 20:53	1	ckz006.d	RTX-624 0.32(mm)
ZZZZZ		08/14/2012 21:47	1		RTX-624 0.32(mm)
IC 200-43490/8		08/14/2012 22:41	1	ckz008.d	RTX-624 0.32(mm)
IC 200-43490/9		08/14/2012 23:34	1	ckz009.d	RTX-624 0.32(mm)
IC 200-43490/10		08/15/2012 00:28	1	ckz010.d	RTX-624 0.32(mm)
VIBLK 200-43490/11		08/15/2012 01:22	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2012 02:15	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2012 03:08	1		RTX-624 0.32(mm)
ZZZZZ		08/15/2012 04:02	1		RTX-624 0.32(mm)
ICIS 200-43490/15		08/15/2012 08:24	1	ckz015.d	RTX-624 0.32(mm)
ZZZZZ		08/15/2012 09:22	1		RTX-624 0.32(mm)
VIBLK 200-43490/17		08/15/2012 10:16	1		RTX-624 0.32(mm)
ICV 200-43490/18		08/15/2012 11:09	1	ckz018.d	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-12536-1

SDG No.: 200-12536-1

Instrument ID: C.i Start Date: 09/07/2012 12:13

Analysis Batch Number: 44641 End Date: 09/08/2012 10:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-44641/1		09/07/2012 12:13	1	ckzq001.d	RTX-624 0.32(mm)
CCVIS 200-44641/2		09/07/2012 13:04	1	ckzq002.d	RTX-624 0.32(mm)
LCS 200-44641/3		09/07/2012 13:56	1	ckzq003.d	RTX-624 0.32(mm)
MB 200-44641/4		09/07/2012 14:49	1	ckzq004.d	RTX-624 0.32(mm)
ZZZZZ		09/07/2012 15:43	0.2		RTX-624 0.32(mm)
ZZZZZ		09/07/2012 16:36	0.2		RTX-624 0.32(mm)
ZZZZZ		09/07/2012 17:30	5000		RTX-624 0.32(mm)
ZZZZZ		09/07/2012 18:23	1		RTX-624 0.32(mm)
ZZZZZ		09/07/2012 19:17	1		RTX-624 0.32(mm)
ZZZZZ		09/07/2012 20:10	0.2		RTX-624 0.32(mm)
ZZZZZ		09/07/2012 21:03	0.2		RTX-624 0.32(mm)
ZZZZZ		09/07/2012 21:57	1		RTX-624 0.32(mm)
ZZZZZ		09/07/2012 22:50	1		RTX-624 0.32(mm)
ZZZZZ		09/07/2012 23:43	2		RTX-624 0.32(mm)
ZZZZZ		09/08/2012 00:37	1		RTX-624 0.32(mm)
ZZZZZ		09/08/2012 01:30	10		RTX-624 0.32(mm)
ZZZZZ		09/08/2012 02:23	10		RTX-624 0.32(mm)
ZZZZZ		09/08/2012 03:17	10		RTX-624 0.32(mm)
ZZZZZ		09/08/2012 04:10	1		RTX-624 0.32(mm)
ZZZZZ		09/08/2012 05:03	1		RTX-624 0.32(mm)
200-12536-1	SV-1	09/08/2012 05:57	1	ckzq021.d	RTX-624 0.32(mm)
200-12536-2	SV-2	09/08/2012 06:50	1	ckzq022.d	RTX-624 0.32(mm)
200-12536-3	SV-3	09/08/2012 07:44	1	ckzq023.d	RTX-624 0.32(mm)
ZZZZZ		09/08/2012 08:38	10		RTX-624 0.32(mm)
ZZZZZ		09/08/2012 09:31	19.7		RTX-624 0.32(mm)
ZZZZZ		09/08/2012 10:25	10.1		RTX-624 0.32(mm)

Post-Sampling Air Canister Pressure Check Record

Client ID	TALS Job	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gague ID	Analyst
Rax Associates	17536	9/4/2	13:00	29.3	21	G1	SLD

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	✓		
(2) Is the flow controller ID used for each canister recorded?	✓		
(3) MA MCP: Check return flow rate for flow controllers			
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		✓	

If damage observed, list equipment IDs and describe condition:

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Return (Y/N)	Can Cert Batch ID	Comments
1	4331	-3.4	N	2925	Y	3464 GGRB	8hr
2	4874	0	Y	3753	Y	3464 GGRB	
3	2708	-6.5	N	2811	Y	4452 GGRG	

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg)

[2] If return pressure is not within criteria, initiate anomaly report.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

Internal Use Only: Flow Controller Date and Page # SO/p.91, 14

Pre-Shipment Clean Canister Certification Report

Certification Type: ☑ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test

System ID	# Cycles	Cleaning Date	Technician	Canister Size
TOP	10	8/16/12	SML	(6L) 1L 3L

Leak Test

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	4434	-28.9	-29.1	-29.1	0.0
2	4100				
3	5066				
4	3464				
5	4373				
6	4331				
7	4242				
8	3563				
9	5031				
10	2841				
11	4874				
12	4834				

Initial Reading	Final Reading
Gauge ID: C1	Gauge ID: C1
Date: 8/17/12	Date: 8/19/12
Time: 0740	Time: 1810
Tech: SL	Tech: C
BP: 29.1 ("Hg)	BP: 29.3 ("Hg)
Temp 22 (°C)	Temp: 21 (°C)

[3]Acceptance Criteria:

(1) The difference must be less than or equal to + 0.5

(2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister:

PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☑ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review: Review Date	Reviewer
3464	8/17/12	GBRB	AHK		✓				08/20/12	KLP

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

200-12264-A-4
3464
Location Air-Storage
Bottle Summa Canister 6l
Sampled 8/16/2012 12:00 AM 200-377458

Loc: 200
12264
#4
A

Pre-Shipment Clean Canister Certification Report

Certification Type: ☑ Batch ☐ Individual

Canister Cleaning & Pre-Shipment Leak Test					
System ID	# Cycles	Cleaning Date	Technician	Canister Size	
TOP	10	8/21/12	SL	(6L) 1L 3L	

Port	Can ID	Initial[1] ("Hg)	Final ("Hg)	Adjusted Initial[2] ("Hg)	Difference[3]
1	2953	-29.3	-29.3	-29.3	0.0
2	~~2567~~				
3	4777				
4	2708				
5	~~4088~~				
6	5091				
7	4452				
8	4806				
9	4313				
10	4148				
11	4362				
12	3641				

Initial Reading		Final Reading	
Gauge ID:	G-1	Gauge ID:	G1
Date:	8/22/12	Date:	8/24/12
Time:	0745	Time:	0845
Tech:	SML	Tech:	SL
BP:	29.5 ("Hg)	BP:	29.5 ("Hg)
Temp	21 (°C)	Temp:	22 (°C)

[3]Acceptance Criteria:

(1) The difference must be less than or equal to + 0.5

(2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister:

PM Authorization:

Signature Date

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[2] To calculate Adjusted Initial Pressure, subtract Final BP from Initial BP and add the result (positive or negative) to the initial pressure reading.

[3] To calculate Difference, subtract the Adjusted Initial Pressure from the Final Pressure (See Acceptance Criteria)

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐ TO15 Routine ☐ TO15 LL ☐ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Limited	Secondary Review Date	Reviewer
4452	8/23/12	GGRG	PAD		✓			✓	8/29/12	RLO

Inventory Level 1: Individual Canister Certification Only. Certified clean to RLs listed in laboratory SOP for LLTO15.

Inventory Level 2: Individual or Batch Certification. Certified clean to 0.04 ppbv.

Inventory Level 3: Individual or Batch Certification. Certified clean to 0.20 ppbv.

Inventory Level 4: Individual or Batch Certification. Certified clean following procedures and RLs listed in laboratory SOP NJDEP-LLTO15.

Inventory Level Limited Use: Canisters may only be used for certain projects.

Comments:

200-12332-A-7
4452
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 8/21/2012 12:00 AM 200-379915

Loc: 200
12332
#7
A

☆ No Projects requiring Ethanol + m-Butanol

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ggrb003.d

Lab ID: LCS 200-43638/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	9.93	99	70-130	
Dichlorodifluoromethane	10.0	9.73	97	70-130	
Freon 22	10.0	9.45	94	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.28	93	70-130	
Chloromethane	10.0	9.14	91	70-130	
n-Butane	10.0	8.87	89	70-130	
Vinyl chloride	10.0	8.35	83	70-130	
1,3-Butadiene	10.0	9.17	92	70-130	
Bromomethane	10.0	8.63	86	70-130	
Chloroethane	10.0	8.79	88	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.18	92	70-130	
Trichlorofluoromethane	10.0	9.05	91	70-130	
Ethanol	15.0	14.7	98	70-130	
Freon TF	10.0	9.65	97	70-130	
1,1-Dichloroethene	10.0	9.61	96	70-130	
Acetone	10.0	10.4	104	70-130	
Isopropyl alcohol	10.0	8.30	83	70-130	
Carbon disulfide	10.0	8.97	90	70-130	
3-Chloropropene	10.0	9.29	93	70-130	
Methylene Chloride	10.0	9.76	98	70-130	
tert-Butyl alcohol	10.0	7.93	79	70-130	
Methyl tert-butyl ether	10.0	9.04	90	70-130	
trans-1,2-Dichloroethene	10.0	8.87	89	70-130	
n-Hexane	10.0	9.11	91	70-130	
1,1-Dichloroethane	10.0	8.95	90	70-130	
Vinyl acetate	10.0	8.84	88	70-130	
Ethyl acetate	10.0	9.05	91	70-130	
Methyl Ethyl Ketone	10.0	9.46	95	70-130	
cis-1,2-Dichloroethene	10.0	9.32	93	70-130	
Chloroform	10.0	9.30	93	70-130	
Tetrahydrofuran	10.0	8.60	86	70-130	
1,1,1-Trichloroethane	10.0	8.90	89	70-130	
Cyclohexane	10.0	9.07	91	70-130	
Carbon tetrachloride	10.0	8.86	89	70-130	
2,2,4-Trimethylpentane	10.0	8.99	90	70-130	
Benzene	10.0	9.04	90	70-130	
1,2-Dichloroethane	10.0	8.91	89	70-130	
n-Heptane	10.0	8.85	89	70-130	
Trichloroethene	10.0	8.47	85	70-130	
Methyl methacrylate	10.0	8.93	89	70-130	
1,2-Dichloropropane	10.0	8.79	88	70-130	
1,4-Dioxane	10.0	7.63	76	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ggrb003.d

Lab ID: LCS 200-43638/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.39	94	70-130	
cis-1,3-Dichloropropene	10.0	8.79	88	70-130	
methyl isobutyl ketone	10.0	8.78	88	70-130	
Toluene	10.0	9.68	97	70-130	
trans-1,3-Dichloropropene	10.0	8.66	87	70-130	
1,1,2-Trichloroethane	10.0	9.08	91	70-130	
Tetrachloroethene	10.0	9.24	92	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.57	96	70-130	
Dibromochloromethane	10.0	10.3	103	70-130	
1,2-Dibromoethane	10.0	9.71	97	70-130	
Chlorobenzene	10.0	9.23	92	70-130	
Ethylbenzene	10.0	9.45	94	70-130	
m,p-Xylene	20.0	18.9	95	70-130	
Xylene, o-	10.0	9.34	93	70-130	
Styrene	10.0	9.72	97	70-130	
Bromoform	10.0	10.5	105	70-130	
Cumene	10.0	9.80	98	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.18	92	70-130	
n-Propylbenzene	10.0	9.88	99	70-130	
4-Ethyltoluene	10.0	10.2	102	70-130	
1,3,5-Trimethylbenzene	10.0	9.66	97	70-130	
2-Chlorotoluene	10.0	9.79	98	70-130	
tert-Butylbenzene	10.0	9.87	99	70-130	
1,2,4-Trimethylbenzene	10.0	9.69	97	70-130	
sec-Butylbenzene	10.0	9.97	100	70-130	
4-Isopropyltoluene	10.0	10.2	102	70-130	
1,3-Dichlorobenzene	10.0	9.44	94	70-130	
1,4-Dichlorobenzene	10.0	9.53	95	70-130	
Benzyl chloride	10.0	10.2	102	70-130	
n-Butylbenzene	10.0	10.4	104	70-130	
1,2-Dichlorobenzene	10.0	9.46	95	70-130	
1,2,4-Trichlorobenzene	10.0	9.46	95	70-130	
Hexachlorobutadiene	10.0	9.70	97	70-130	
Naphthalene	10.0	9.81	98	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ggrg003.d

Lab ID: LCS 200-43867/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Propylene	10.0	8.91	89	70-130	
Dichlorodifluoromethane	10.0	9.59	96	70-130	
Freon 22	10.0	9.09	91	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.14	91	70-130	
Chloromethane	10.0	8.35	83	70-130	
n-Butane	10.0	8.19	82	70-130	
Vinyl chloride	10.0	7.94	79	70-130	
1,3-Butadiene	10.0	8.65	87	70-130	
Bromomethane	10.0	8.50	85	70-130	
Chloroethane	10.0	8.47	85	70-130	
Bromoethene(Vinyl Bromide)	10.0	9.36	94	70-130	
Trichlorofluoromethane	10.0	9.33	93	70-130	
Ethanol	15.0	9.94	66	70-130	*
Freon TF	10.0	9.77	98	70-130	
1,1-Dichloroethene	10.0	9.58	96	70-130	
Acetone	10.0	10.8	108	70-130	
Isopropyl alcohol	10.0	7.72	77	70-130	
Carbon disulfide	10.0	8.67	87	70-130	
3-Chloropropene	10.0	8.83	88	70-130	
Methylene Chloride	10.0	9.08	91	70-130	
tert-Butyl alcohol	10.0	8.36	84	70-130	
Methyl tert-butyl ether	10.0	9.40	94	70-130	
trans-1,2-Dichloroethene	10.0	8.73	87	70-130	
n-Hexane	10.0	8.56	86	70-130	
1,1-Dichloroethane	10.0	8.74	87	70-130	
Vinyl acetate	10.0	8.64	86	70-130	
Ethyl acetate	10.0	9.66	97	70-130	
Methyl Ethyl Ketone	10.0	9.51	95	70-130	
cis-1,2-Dichloroethene	10.0	9.29	93	70-130	
Chloroform	10.0	9.42	94	70-130	
Tetrahydrofuran	10.0	8.46	85	70-130	
1,1,1-Trichloroethane	10.0	9.40	94	70-130	
Cyclohexane	10.0	9.24	92	70-130	
Carbon tetrachloride	10.0	9.45	95	70-130	
2,2,4-Trimethylpentane	10.0	8.69	87	70-130	
Benzene	10.0	8.86	89	70-130	
1,2-Dichloroethane	10.0	9.06	91	70-130	
n-Heptane	10.0	8.34	83	70-130	
Trichloroethene	10.0	8.64	86	70-130	
Methyl methacrylate	10.0	9.28	93	70-130	
1,2-Dichloropropane	10.0	8.55	85	70-130	
1,4-Dioxane	10.0	7.89	79	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Matrix: Air Level: Low Lab File ID: ggrg003.d

Lab ID: LCS 200-43867/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Bromodichloromethane	10.0	9.65	97	70-130	
cis-1,3-Dichloropropene	10.0	8.87	89	70-130	
methyl isobutyl ketone	10.0	9.15	92	70-130	
Toluene	10.0	8.75	88	70-130	
trans-1,3-Dichloropropene	10.0	9.03	90	70-130	
1,1,2-Trichloroethane	10.0	8.48	85	70-130	
Tetrachloroethene	10.0	9.21	92	70-130	
Methyl Butyl Ketone (2-Hexanone)	10.0	8.84	88	70-130	
Dibromochloromethane	10.0	10.3	103	70-130	
1,2-Dibromoethane	10.0	9.37	94	70-130	
Chlorobenzene	10.0	9.21	92	70-130	
Ethylbenzene	10.0	9.27	93	70-130	
m,p-Xylene	20.0	18.7	93	70-130	
Xylene, o-	10.0	9.29	93	70-130	
Styrene	10.0	9.57	96	70-130	
Bromoform	10.0	10.9	109	70-130	
Cumene	10.0	9.88	99	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.94	89	70-130	
n-Propylbenzene	10.0	9.70	97	70-130	
4-Ethyltoluene	10.0	10.3	103	70-130	
1,3,5-Trimethylbenzene	10.0	9.77	98	70-130	
2-Chlorotoluene	10.0	9.66	97	70-130	
tert-Butylbenzene	10.0	10.0	100	70-130	
1,2,4-Trimethylbenzene	10.0	9.75	98	70-130	
sec-Butylbenzene	10.0	9.97	100	70-130	
4-Isopropyltoluene	10.0	10.5	105	70-130	
1,3-Dichlorobenzene	10.0	9.80	98	70-130	
1,4-Dichlorobenzene	10.0	10.1	101	70-130	
Benzyl chloride	10.0	9.96	100	70-130	
n-Butylbenzene	10.0	10.3	103	70-130	
1,2-Dichlorobenzene	10.0	9.78	98	70-130	
1,2,4-Trichlorobenzene	10.0	10.5	105	70-130	
Hexachlorobutadiene	10.0	11.0	110	70-130	
Naphthalene	10.0	10.9	109	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Lab File ID: ggrb004.d Lab Sample ID: MB 200-43638/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: G.i Date Analyzed: 08/17/2012 17:14

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-43638/3	ggrb003.d	08/17/2012 16:23
3464	200-12264-4	ggrb005.d	08/17/2012 18:09

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12264-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-43638/4

Matrix: Air | Lab File ID: ggrb004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/17/2012 17:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 43638 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12264-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-43638/4

Matrix: Air | Lab File ID: ggrb004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/17/2012 17:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 43638 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-43638/4

Matrix: Air Lab File ID: ggrb004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/17/2012 17:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 43638 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/ggrbto15.b/ggrb004.d
Lab Smp Id: mb
Inj Date : 17-AUG-2012 17:14
Operator : WRD Inst ID: G.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/G.i/Gsvr.p/ggrbto15.b/to15v5.m
Meth Date : 18-Aug-2012 19:33 ahk Quant Type: ISTD
Cal Date : 16-AUG-2012 03:07 Cal File: ggr010.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	Compound Not Detected.					
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
11 2-Methylbutane	43	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
14 Pentane	43	Compound Not Detected.					

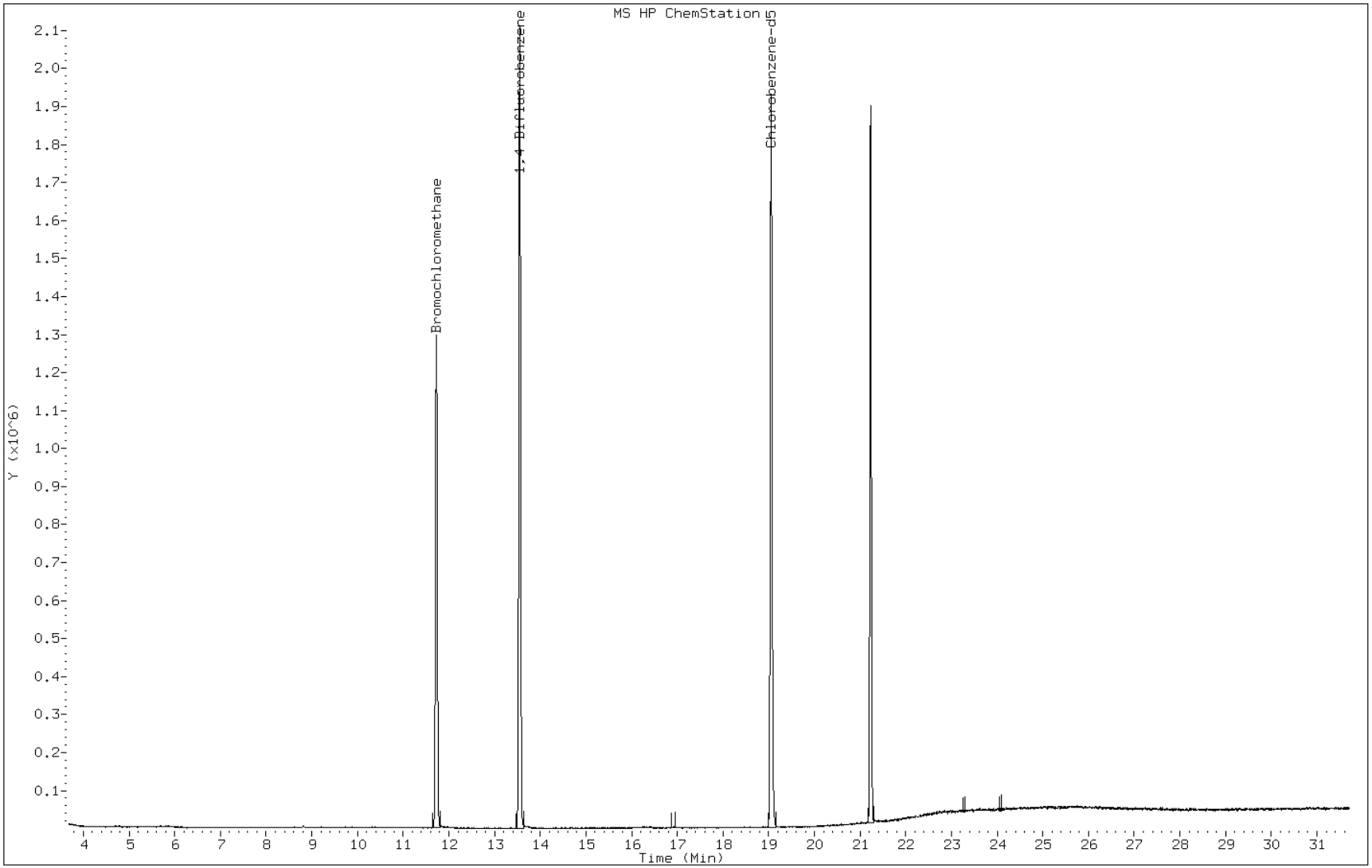
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	Compound Not Detected.					
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	8.817	8.822	(0.752)	2290	0.05367	0.054(a)
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.727	11.732	(1.000)	585915	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	13.552	13.557	(1.000)	2754085	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	57 n-Octane	43	Compound Not Detected.					
	58 Toluene	92	Compound Not Detected.					
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.056	19.056	(1.000)	1985863	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 n-Nonane	57	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	76 n-Propylbenzene	91	Compound Not Detected.					
	77 1,2,3-Trichloropropane	75	Compound Not Detected.					
	78 n-Decane	57	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	80 2-Chlorotoluene	91	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	82 Alpha Methyl Styrene	118	Compound Not Detected.					
	83 tert-butylbenzene	119	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	85 sec-Butylbenzene	105	Compound Not Detected.					
	86 4-Isopropyltoluene	119	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					
	89 Benzyl chloride	91	Compound Not Detected.					
	90 Undecane	57	Compound Not Detected.					
	91 n-Butylbenzene	91	Compound Not Detected.					
	92 1,2-Dichlorobenzene	146	Compound Not Detected.					
	93 Dodecane	57	Compound Not Detected.					
	94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
	96 Naphthalene	128	Compound Not Detected.					
	97 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	ggrb004.d	Date:	17-AUG-2012 17:14
Client ID:		Instrument:	G.i
Operator:	WRD	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Lab File ID: ggrg004.d Lab Sample ID: MB 200-43867/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: G.i Date Analyzed: 08/22/2012 15:25

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-43867/3	ggrg003.d	08/22/2012 14:32
4452	200-12332-7	ggrg028.d	08/23/2012 12:39

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-43867/4

Matrix: Air | Lab File ID: ggrg004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/22/2012 15:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 43867 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	5.0	U	5.0	5.0
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.50
75-45-6	Freon 22	0.50	U	0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.20
74-87-3	Chloromethane	0.50	U	0.50	0.50
106-97-8	n-Butane	0.50	U	0.50	0.50
75-01-4	Vinyl chloride	0.20	U	0.20	0.20
106-99-0	1,3-Butadiene	0.20	U	0.20	0.20
74-83-9	Bromomethane	0.20	U	0.20	0.20
75-00-3	Chloroethane	0.50	U	0.50	0.50
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.20
75-69-4	Trichlorofluoromethane	0.20	U	0.20	0.20
64-17-5	Ethanol	5.0	U	5.0	5.0
76-13-1	Freon TF	0.20	U	0.20	0.20
75-35-4	1,1-Dichloroethene	0.20	U	0.20	0.20
67-64-1	Acetone	5.0	U	5.0	5.0
67-63-0	Isopropyl alcohol	5.0	U	5.0	5.0
75-15-0	Carbon disulfide	0.50	U	0.50	0.50
107-05-1	3-Chloropropene	0.50	U	0.50	0.50
75-09-2	Methylene Chloride	0.50	U	0.50	0.50
75-65-0	tert-Butyl alcohol	5.0	U	5.0	5.0
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	0.20
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	0.20
110-54-3	n-Hexane	0.20	U	0.20	0.20
75-34-3	1,1-Dichloroethane	0.20	U	0.20	0.20
108-05-4	Vinyl acetate	5.0	U	5.0	5.0
141-78-6	Ethyl acetate	5.0	U	5.0	5.0
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	0.50
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	0.20
540-59-0	1,2-Dichloroethene, Total	0.20	U	0.20	0.20
67-66-3	Chloroform	0.20	U	0.20	0.20
109-99-9	Tetrahydrofuran	5.0	U	5.0	5.0
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	0.20
110-82-7	Cyclohexane	0.20	U	0.20	0.20
56-23-5	Carbon tetrachloride	0.20	U	0.20	0.20
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12332-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-43867/4

Matrix: Air | Lab File ID: ggrg004.d

Analysis Method: TO-15 | Date Collected:

Sample wt/vol: 200(mL) | Date Analyzed: 08/22/2012 15:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 43867 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.20	U	0.20	0.20
107-06-2	1,2-Dichloroethane	0.20	U	0.20	0.20
142-82-5	n-Heptane	0.20	U	0.20	0.20
79-01-6	Trichloroethene	0.20	U	0.20	0.20
80-62-6	Methyl methacrylate	0.50	U	0.50	0.50
78-87-5	1,2-Dichloropropane	0.20	U	0.20	0.20
123-91-1	1,4-Dioxane	5.0	U	5.0	5.0
75-27-4	Bromodichloromethane	0.20	U	0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	0.20
108-10-1	methyl isobutyl ketone	0.50	U	0.50	0.50
108-88-3	Toluene	0.20	U	0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	0.20
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	0.20
127-18-4	Tetrachloroethene	0.20	U	0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.50
124-48-1	Dibromochloromethane	0.20	U	0.20	0.20
106-93-4	1,2-Dibromoethane	0.20	U	0.20	0.20
108-90-7	Chlorobenzene	0.20	U	0.20	0.20
100-41-4	Ethylbenzene	0.20	U	0.20	0.20
179601-23-1	m,p-Xylene	0.50	U	0.50	0.50
95-47-6	Xylene, o-	0.20	U	0.20	0.20
1330-20-7	Xylene (total)	0.20	U	0.20	0.20
100-42-5	Styrene	0.20	U	0.20	0.20
75-25-2	Bromoform	0.20	U	0.20	0.20
98-82-8	Cumene	0.20	U	0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.20
103-65-1	n-Propylbenzene	0.20	U	0.20	0.20
622-96-8	4-Ethyltoluene	0.20	U	0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	0.20
95-49-8	2-Chlorotoluene	0.20	U	0.20	0.20
98-06-6	tert-Butylbenzene	0.20	U	0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	0.20
135-98-8	sec-Butylbenzene	0.20	U	0.20	0.20
99-87-6	4-Isopropyltoluene	0.20	U	0.20	0.20
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	0.20
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	0.20

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-43867/4

Matrix: Air Lab File ID: ggrg004.d

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 08/22/2012 15:25

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 43867 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.20	U	0.20	0.20
104-51-8	n-Butylbenzene	0.20	U	0.20	0.20
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.50
87-68-3	Hexachlorobutadiene	0.20	U	0.20	0.20
91-20-3	Naphthalene	0.50	U	0.50	0.50

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/G.i/Gsvr.p/ggrgto15.b/ggrg004.d
Lab Smp Id: mb
Inj Date : 22-AUG-2012 15:25
Operator : PAD Inst ID: G.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/G.i/Gsvr.p/ggrgto15.b/to15v5.m
Meth Date : 23-Aug-2012 13:57 pd Quant Type: ISTD
Cal Date : 16-AUG-2012 03:07 Cal File: ggr010.d
Als bottle: 3 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allTO15.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

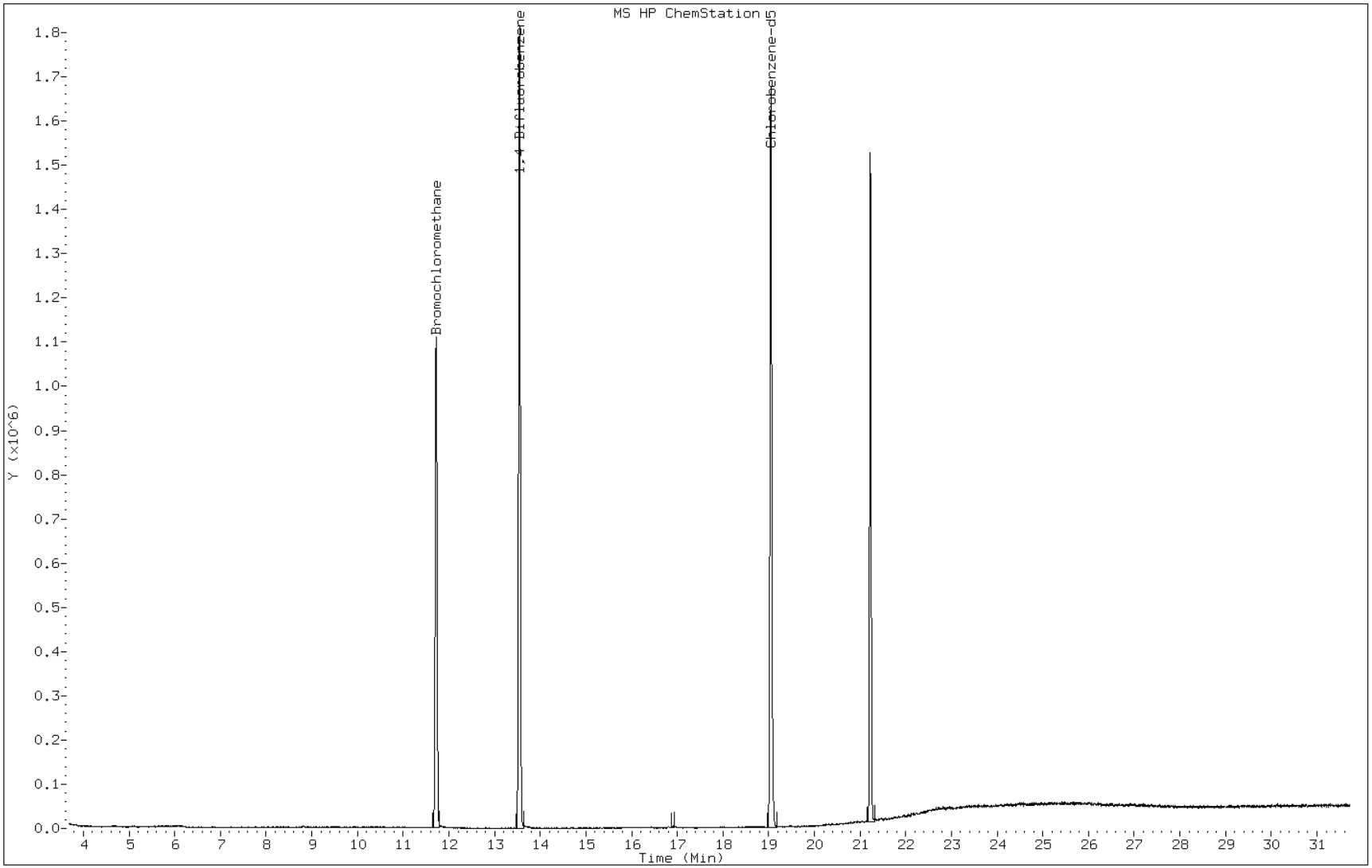
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	Compound Not Detected.					
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
11 2-Methylbutane	43	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
14 Pentane	43	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	15 Ethanol	45	Compound Not Detected.					
	16 Ethyl ether	59	Compound Not Detected.					
	17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	18 Acrolein	56	Compound Not Detected.					
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	Compound Not Detected.					
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	24 Acetonitrile	41	Compound Not Detected.					
	25 Methylene chloride	49	Compound Not Detected.					
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	29 Acrylonitrile	53	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.722	11.732	(1.000)	517969	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	13.546	13.557	(1.000)	2382773	10.0000	
	48 n-Butanol	56	Compound Not Detected.					
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	52 Dibromomethane	174	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	57 n-Octane	43	Compound Not Detected.					
	58 Toluene	92	Compound Not Detected.					
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.046	19.056	(1.000)	1740279	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	67 n-Nonane	57	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					
	72 Styrene	104	Compound Not Detected.					
	73 Bromoform	173	Compound Not Detected.					
	74 Isopropylbenzene	105	Compound Not Detected.					
	75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	76 n-Propylbenzene	91	Compound Not Detected.					
	77 1,2,3-Trichloropropane	75	Compound Not Detected.					
	78 n-Decane	57	Compound Not Detected.					
	79 4-Ethyltoluene	105	Compound Not Detected.					
	80 2-Chlorotoluene	91	Compound Not Detected.					
	81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	82 Alpha Methyl Styrene	118	Compound Not Detected.					
	83 tert-butylbenzene	119	Compound Not Detected.					
	84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
	85 sec-Butylbenzene	105	Compound Not Detected.					
	86 4-Isopropyltoluene	119	Compound Not Detected.					
	87 1,3-Dichlorobenzene	146	Compound Not Detected.					
	88 1,4-Dichlorobenzene	146	Compound Not Detected.					
	89 Benzyl chloride	91	Compound Not Detected.					
	90 Undecane	57	Compound Not Detected.					
	91 n-Butylbenzene	91	Compound Not Detected.					
	92 1,2-Dichlorobenzene	146	Compound Not Detected.					
	93 Dodecane	57	Compound Not Detected.					
	94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
	95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
	96 Naphthalene	128	Compound Not Detected.					
	97 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

Data File:	ggrg004.d	Date:	22-AUG-2012 15:25
Client ID:		Instrument:	G.i
Operator:	PAD	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	mb		
Lab Sample ID:	mb		



FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Lab File ID: ggr001.d BFB Injection Date: 08/15/2012

Instrument ID: G.i BFB Injection Time: 17:30

Analysis Batch No.: 43550

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.5	
75	30.0 - 66.0% of mass 95	44.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	108.2	
175	4.0 - 9.0 % of mass 174	7.4	(6.9)1
176	93.0 - 101.0% of mass 174	104.7	(96.7)1
177	5.0 - 9.0% of mass 176	6.5	(6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-43550/3	ggr003.d	08/15/2012	20:58
	IC 200-43550/4	ggr004.d	08/15/2012	21:51
	IC 200-43550/5	ggr005.d	08/15/2012	22:43
	IC 200-43550/6	ggr006.d	08/15/2012	23:36
	ICIS 200-43550/7	ggr007.d	08/16/2012	00:28
	IC 200-43550/8	ggr008.d	08/16/2012	01:21
	IC 200-43550/9	ggr009.d	08/16/2012	02:14
	IC 200-43550/10	ggr010.d	08/16/2012	03:07
	ICV 200-43550/12	ggr012.d	08/16/2012	04:52

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Lab File ID: ggrb001.d BFB Injection Date: 08/17/2012

Instrument ID: G.i BFB Injection Time: 14:40

Analysis Batch No.: 43638

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.2	
75	30.0 - 66.0% of mass 95	46.4	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.9	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	107.5	
175	4.0 - 9.0 % of mass 174	7.4	(6.9)1
176	93.0 - 101.0% of mass 174	103.5	(96.3)1
177	5.0 - 9.0% of mass 176	6.5	(6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-43638/2	ggrb002.d	08/17/2012	15:31
	LCS 200-43638/3	ggrb003.d	08/17/2012	16:23
	MB 200-43638/4	ggrb004.d	08/17/2012	17:14
3464	200-12264-4	ggrb005.d	08/17/2012	18:09

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Lab File ID: ggr001.d BFB Injection Date: 08/15/2012

Instrument ID: G.i BFB Injection Time: 17:30

Analysis Batch No.: 43550

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.5	
75	30.0 - 66.0% of mass 95	44.9	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.7	
173	Less than 2.0% of mass 174	0.5	(0.5)1
174	50.0 - 120.0% of mass 95	108.2	
175	4.0 - 9.0 % of mass 174	7.4	(6.9)1
176	93.0 - 101.0% of mass 174	104.7	(96.7)1
177	5.0 - 9.0% of mass 176	6.5	(6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-43550/3	ggr003.d	08/15/2012	20:58
	IC 200-43550/4	ggr004.d	08/15/2012	21:51
	IC 200-43550/5	ggr005.d	08/15/2012	22:43
	IC 200-43550/6	ggr006.d	08/15/2012	23:36
	ICIS 200-43550/7	ggr007.d	08/16/2012	00:28
	IC 200-43550/8	ggr008.d	08/16/2012	01:21
	IC 200-43550/9	ggr009.d	08/16/2012	02:14
	IC 200-43550/10	ggr010.d	08/16/2012	03:07
	ICV 200-43550/12	ggr012.d	08/16/2012	04:52

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Lab File ID: ggrg001.d BFB Injection Date: 08/22/2012

Instrument ID: G.i BFB Injection Time: 12:44

Analysis Batch No.: 43867

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	15.8	
75	30.0 - 66.0% of mass 95	45.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.1	
173	Less than 2.0% of mass 174	0.6	(0.5)1
174	50.0 - 120.0% of mass 95	115.6	
175	4.0 - 9.0 % of mass 174	8.1	(7.0)1
176	93.0 - 101.0% of mass 174	113.6	(98.2)1
177	5.0 - 9.0% of mass 176	7.0	(6.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-43867/2	ggrg002.d	08/22/2012	13:39
	LCS 200-43867/3	ggrg003.d	08/22/2012	14:32
	MB 200-43867/4	ggrg004.d	08/22/2012	15:25
4452	200-12332-7	ggrg028.d	08/23/2012	12:39

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Sample No.: ICIS 200-43550/7 Date Analyzed: 08/16/2012 00:28

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ggr007.d Heated Purge: (Y/N) N

Calibration ID: 17165

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		614826	11.73	2523223	13.56	2233183	19.06
UPPER LIMIT		860756	12.06	3532512	13.89	3126456	19.39
LOWER LIMIT		368896	11.40	1513934	13.23	1339910	18.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-43550/12		658359	11.73	2835664	13.56	2451344	19.06

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Sample No.: CCVIS 200-43638/2 Date Analyzed: 08/17/2012 15:31

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ggrb002.d Heated Purge: (Y/N) N

Calibration ID: 17165

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		611009	11.73	2021981	13.55	1872566	19.05
UPPER LIMIT		855413	12.06	2830773	13.88	2621592	19.38
LOWER LIMIT		366605	11.40	1213189	13.22	1123540	18.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-43638/3		612103	11.73	2558498	13.55	2140209	19.05
MB 200-43638/4		585915	11.73	2754085	13.55	1985863	19.06
200-12264-4	3464	599874	11.73	2718913	13.55	1987013	19.05

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Sample No.: ICIS 200-43550/7 Date Analyzed: 08/16/2012 00:28

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ggr007.d Heated Purge: (Y/N) N

Calibration ID: 17165

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		614826	11.73	2523223	13.56	2233183	19.06
UPPER LIMIT		860756	12.06	3532512	13.89	3126456	19.39
LOWER LIMIT		368896	11.40	1513934	13.23	1339910	18.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-43550/12		658359	11.73	2835664	13.56	2451344	19.06

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Sample No.: CCVIS 200-43867/2 Date Analyzed: 08/22/2012 13:39

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): ggrg002.d Heated Purge: (Y/N) N

Calibration ID: 17165

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		600580	11.73	2482405	13.55	2172709	19.05
UPPER LIMIT		840812	12.06	3475367	13.88	3041793	19.38
LOWER LIMIT		360348	11.40	1489443	13.22	1303625	18.72
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-43867/3		563090	11.73	2295235	13.55	2140120	19.05
MB 200-43867/4		517969	11.72	2382773	13.55	1740279	19.05
200-12332-7	4452	465367	11.72	2156437	13.54	1528611	19.05

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12264-1

SDG No.:

Client Sample ID: 3464 | Lab Sample ID: 200-12264-4

Matrix: Air | Lab File ID: ggrb005.d

Analysis Method: TO-15 | Date Collected: 08/16/2012 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/17/2012 18:09

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 43638 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12264-1

SDG No.:

Client Sample ID: 3464 | Lab Sample ID: 200-12264-4

Matrix: Air | Lab File ID: ggrb005.d

Analysis Method: TO-15 | Date Collected: 08/16/2012 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/17/2012 18:09

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 43638 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Client Sample ID: 3464 Lab Sample ID: 200-12264-4

Matrix: Air Lab File ID: ggrb005.d

Analysis Method: TO-15 Date Collected: 08/16/2012 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/17/2012 18:09

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 43638 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-12264-4
Client Smp ID: 3464
Inj Date : 17-AUG-2012 18:09
Operator : WRD Inst ID: G.i
Smp Info : 200-12264-A-4
Misc Info : 1000,0.2, all74+MN
Comment :
Method : /chem/G.i/Gsvr.p/ggrbto15.b/to15v5.m
Meth Date : 18-Aug-2012 19:33 ahk Quant Type: ISTD
Cal Date : 16-AUG-2012 03:07 Cal File: ggr010.d
Als bottle: 4
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	Compound Not Detected.					
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Ethanol	45	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

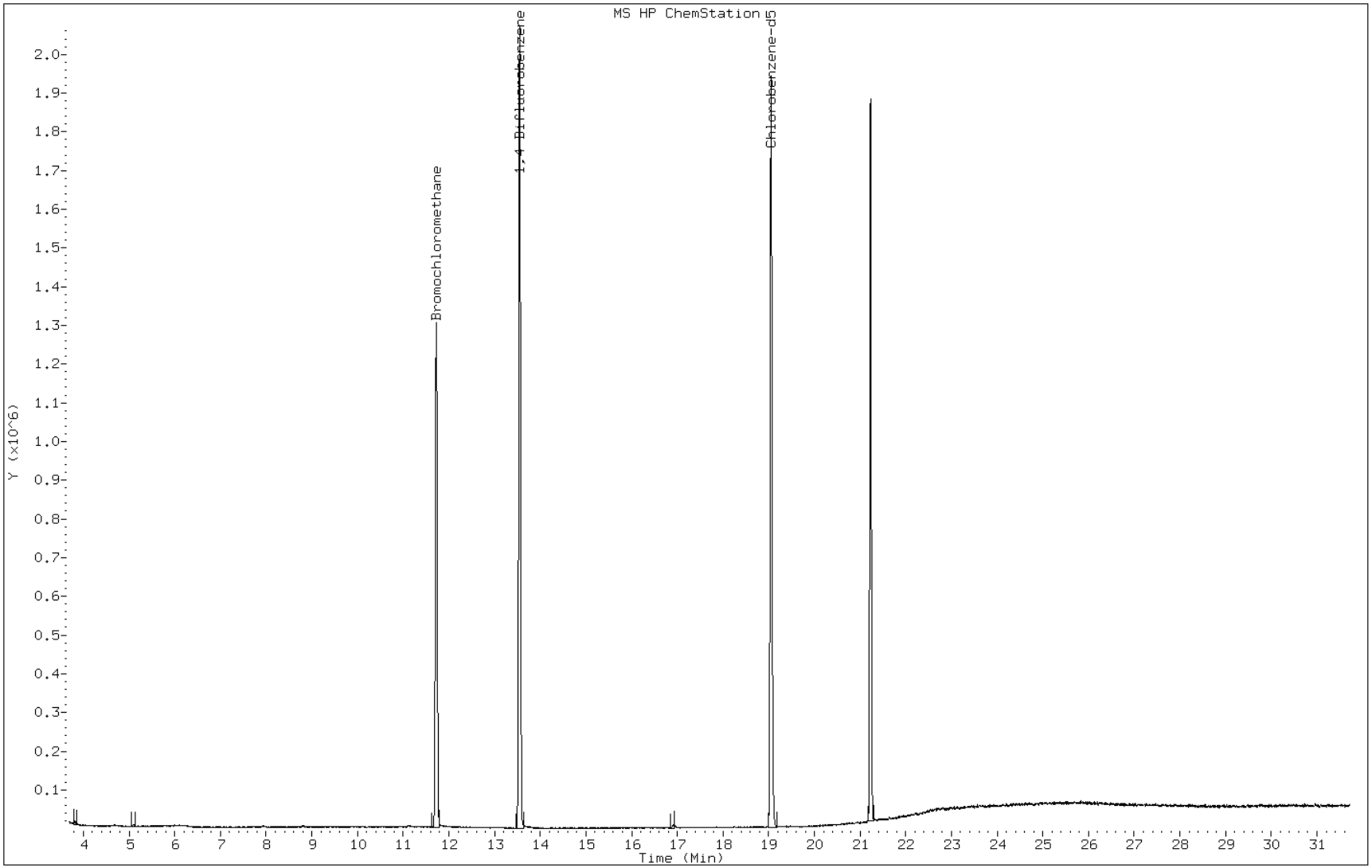
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.929	7.897	(0.676)	7035	0.13019	0.026(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.817	8.822	(0.752)	2875	0.06581	0.013(a)
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.727	11.732	(1.000)	599874	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	13.546	13.557	(1.000)	2718913	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	Compound Not Detected.					
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.051	19.056	(1.000)	1987013	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	ggrb005.d	Date:	17-AUG-2012 18:09
Client ID:	3464	Instrument:	G.i
Operator:	WRD	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-12264-A-4		
Lab Sample ID:	200-12264-4		



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12332-1

SDG No.:

Client Sample ID: 4452 | Lab Sample ID: 200-12332-7

Matrix: Air | Lab File ID: ggrg028.d

Analysis Method: TO-15 | Date Collected: 08/21/2012 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/23/2012 12:39

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 43867 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U *	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.040	U	0.040	0.040
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-12332-1

SDG No.:

Client Sample ID: 4452 | Lab Sample ID: 200-12332-7

Matrix: Air | Lab File ID: ggrg028.d

Analysis Method: TO-15 | Date Collected: 08/21/2012 00:00

Sample wt/vol: 1000(mL) | Date Analyzed: 08/23/2012 12:39

Soil Aliquot Vol: | Dilution Factor: 0.2

Soil Extract Vol.: | GC Column: RTX-624 ID: 0.32(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 43867 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.040	U	0.040	0.040
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Client Sample ID: 4452 Lab Sample ID: 200-12332-7

Matrix: Air Lab File ID: ggrg028.d

Analysis Method: TO-15 Date Collected: 08/21/2012 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 08/23/2012 12:39

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 43867 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 200-12332-7
Client Smp ID: 4452
Inj Date : 23-AUG-2012 12:39
Operator : PAD Inst ID: G.i
Smp Info : 200-12332-A-7
Misc Info : 1000,0.2, all74+MN
Comment :
Method : /chem/G.i/Gsvr.p/ggrgto15.b/to15v5.m
Meth Date : 23-Aug-2012 13:57 pd Quant Type: ISTD
Cal Date : 16-AUG-2012 03:07 Cal File: ggr010.d
Als bottle: 7
Dil Factor: 0.20000
Integrator: HP RTE Compound Sublist: all74+MN.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	0.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	1000.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41	Compound Not Detected.					
2 Dichlorodifluoromethane	85	Compound Not Detected.					
3 Chlorodifluoromethane	51	Compound Not Detected.					
4 1,2-Dichloro-1,1,2,2-tetraflu	85	Compound Not Detected.					
5 Chloromethane	50	Compound Not Detected.					
6 Butane	43	Compound Not Detected.					
7 Vinyl chloride	62	Compound Not Detected.					
8 1,3-Butadiene	54	Compound Not Detected.					
9 Bromomethane	94	Compound Not Detected.					
10 Chloroethane	64	Compound Not Detected.					
12 Vinyl bromide	106	Compound Not Detected.					
13 Trichlorofluoromethane	101	Compound Not Detected.					
15 Ethanol	45	Compound Not Detected.					
17 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					

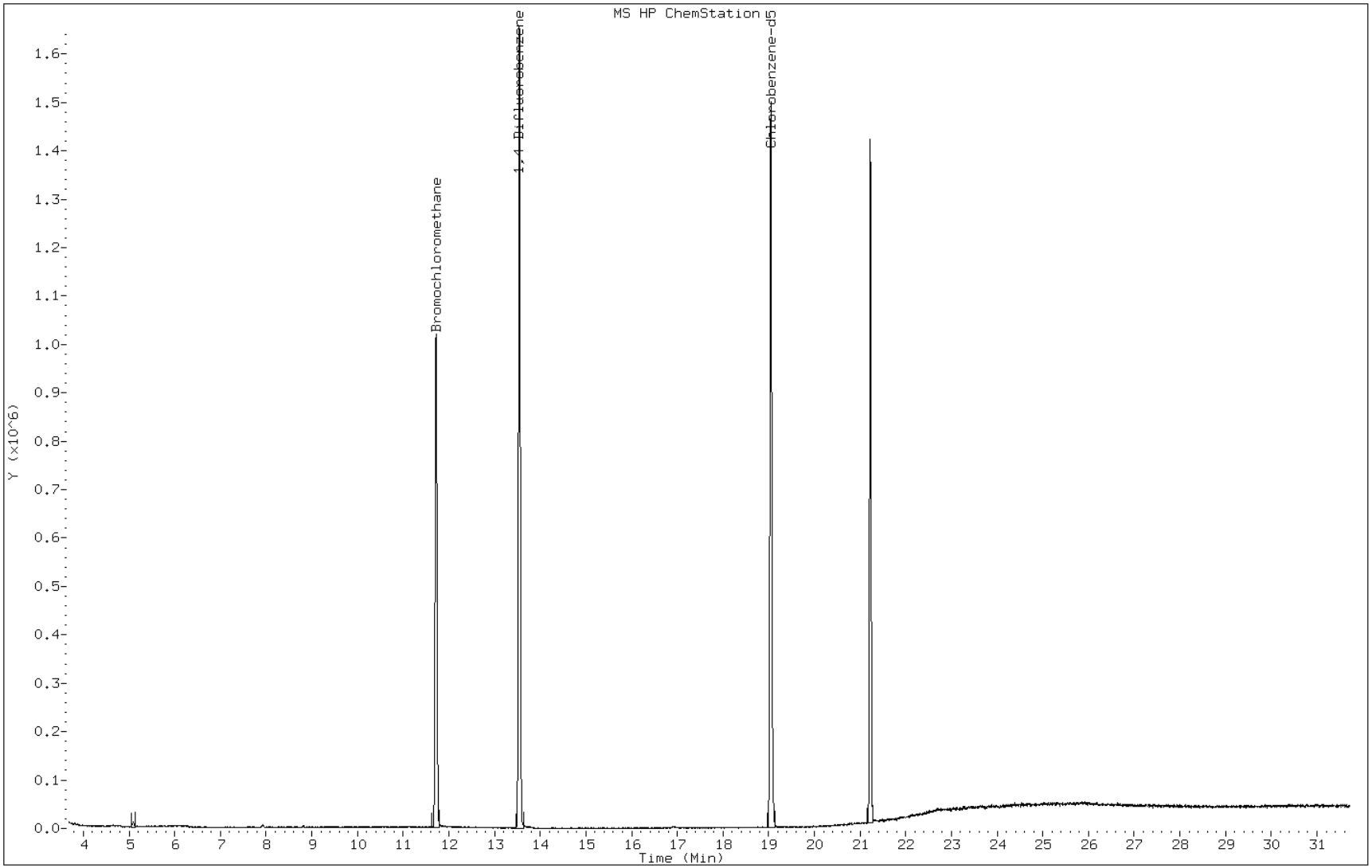
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	CONCENTRATIONS FINAL (ppb v/v)
	19 1,1-Dichloroethene	96	Compound Not Detected.					
	20 Acetone	43	7.929	7.897	(0.676)	8616	0.20553	0.041(a)
	21 Carbon disulfide	76	Compound Not Detected.					
	22 Isopropanol	45	Compound Not Detected.					
	23 Allyl chloride	41	Compound Not Detected.					
	25 Methylene chloride	49	8.812	8.822	(0.752)	1960	0.05783	0.012(a)
	26 Tert-butyl alcohol	59	Compound Not Detected.					
	27 Methyl tert-butyl ether	73	Compound Not Detected.					
	28 1,2-Dichloroethene (trans)	61	Compound Not Detected.					
	30 n-Hexane	57	Compound Not Detected.					
	31 1,1-Dichloroethane	63	Compound Not Detected.					
	32 Vinyl acetate	43	Compound Not Detected.					
M	33 1,2-Dichloroethene,Total	61	Compound Not Detected.					
	34 1,2-Dichloroethene (cis)	96	Compound Not Detected.					
	35 Ethyl acetate	88	Compound Not Detected.					
	36 Methyl Ethyl Ketone	72	Compound Not Detected.					
*	37 Bromochloromethane	128	11.722	11.732	(1.000)	465367	10.0000	
	38 Tetrahydrofuran	42	Compound Not Detected.					
	39 Chloroform	83	Compound Not Detected.					
	40 Cyclohexane	84	Compound Not Detected.					
	41 1,1,1-Trichloroethane	97	Compound Not Detected.					
	42 Carbon tetrachloride	117	Compound Not Detected.					
	43 2,2,4-Trimethylpentane	57	Compound Not Detected.					
	44 Benzene	78	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	46 n-Heptane	43	Compound Not Detected.					
*	47 1,4-Difluorobenzene	114	13.541	13.557	(1.000)	2156437	10.0000	
	49 Trichloroethene	95	Compound Not Detected.					
	50 1,2-Dichloropropane	63	Compound Not Detected.					
	51 Methyl methacrylate	69	Compound Not Detected.					
	53 1,4-Dioxane	88	Compound Not Detected.					
	54 Bromodichloromethane	83	Compound Not Detected.					
	55 1,3-Dichloropropene (cis)	75	Compound Not Detected.					
	56 Methyl isobutyl ketone	43	Compound Not Detected.					
	58 Toluene	92	Compound Not Detected.					
	59 1,3-Dichloropropene (trans)	75	Compound Not Detected.					
	60 1,1,2-Trichloroethane	83	Compound Not Detected.					
	61 Tetrachloroethene	166	Compound Not Detected.					
	62 2-Hexanone	43	Compound Not Detected.					
	63 Dibromochloromethane	129	Compound Not Detected.					
	64 1,2-Dibromoethane	107	Compound Not Detected.					
*	65 Chlorobenzene-d5	117	19.046	19.056	(1.000)	1528611	10.0000	
	66 Chlorobenzene	112	Compound Not Detected.					
	68 Ethylbenzene	91	Compound Not Detected.					
	69 Xylene (m,p)	106	Compound Not Detected.					
M	70 Xylenes, Total	106	Compound Not Detected.					
	71 Xylene (o)	106	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
72 Styrene	104	Compound Not Detected.					
73 Bromoform	173	Compound Not Detected.					
74 Isopropylbenzene	105	Compound Not Detected.					
75 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
76 n-Propylbenzene	91	Compound Not Detected.					
79 4-Ethyltoluene	105	Compound Not Detected.					
80 2-Chlorotoluene	91	Compound Not Detected.					
81 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
83 tert-butylbenzene	119	Compound Not Detected.					
84 1,2,4-Trimethylbenzene	105	Compound Not Detected.					
85 sec-Butylbenzene	105	Compound Not Detected.					
86 4-Isopropyltoluene	119	Compound Not Detected.					
87 1,3-Dichlorobenzene	146	Compound Not Detected.					
88 1,4-Dichlorobenzene	146	Compound Not Detected.					
89 Benzyl chloride	91	Compound Not Detected.					
91 n-Butylbenzene	91	Compound Not Detected.					
92 1,2-Dichlorobenzene	146	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
95 1,3-Hexachlorobutadiene	225	Compound Not Detected.					
96 Naphthalene	128	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File:	ggrg028.d	Date:	23-AUG-2012 12:39
Client ID:	4452	Instrument:	G.i
Operator:	PAD	Inj Vol:	200.0
Column Type:	Capillary	Diameter:	0.32
Stationary Phase:	RTX-624		
Sample Info:	200-12332-A-7		
Lab Sample ID:	200-12332-7		



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12264-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-43550/3	ggr003.d
Level 2	IC 200-43550/4	ggr004.d
Level 3	IC 200-43550/5	ggr005.d
Level 4	IC 200-43550/6	ggr006.d
Level 5	ICIS 200-43550/7	ggr007.d
Level 6	IC 200-43550/8	ggr008.d
Level 7	IC 200-43550/9	ggr009.d
Level 8	IC 200-43550/10	ggr010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.4074	+++++ 0.4473	0.4732 0.4016	0.4174	0.4137	Ave		0.4268				6.5		30.0			
Dichlorodifluoromethane	+++++ 2.7266	+++++ 2.9250	2.8855 2.5988	2.8059	2.8187	Ave		2.7934				4.2		30.0			
Freon 22	+++++ 1.1592	+++++ 1.2465	1.3194 1.1065	1.2245	1.1993	Ave		1.2093				6.1		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.5068	2.6499 2.7022	2.6070 2.4140	2.6464	2.5751	Ave		2.5859				3.8		30.0			
Chloromethane	+++++ 0.5100	+++++ 0.5498	0.5563 0.4937	0.5263	0.5149	Ave		0.5252				4.6		30.0			
n-Butane	+++++ 0.8437	+++++ 0.9154	0.8958 0.8311	0.8748	0.8616	Ave		0.8704				3.6		30.0			
1,3-Butadiene	+++++ 0.4386	0.4728 0.4773	0.4494 0.4268	0.4586	0.4480	Ave		0.4531				4.0		30.0			
Vinyl chloride	1.0783 0.6732	0.7403 0.7324	0.7260 0.6547	0.7021	0.6881	Ave		0.7494				18.2		30.0			
Acrolein	+++++ 0.2066	+++++ 0.1954	+++++ 0.1987	0.1971	0.1984	Ave		0.1992				2.2		30.0			
Bromomethane	+++++ 0.9214	0.9655 0.9984	0.9801 0.8789	0.9331	0.9281	Ave		0.9436				4.3		30.0			
Chloroethane	+++++ 0.3319	+++++ 0.3611	0.3411 0.3247	0.3430	0.3425	Ave		0.3407				3.6		30.0			
Isopentane	+++++ 0.6424	0.7323 0.6903	0.7033 0.6216	0.6683	0.6567	Ave		0.6736				5.6		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.9233	0.9861 1.0013	0.9278 0.9151	0.9220	0.9368	Ave		0.9446				3.6		30.0			
Trichlorofluoromethane	+++++ 2.7769	3.0250 2.9940	3.0531 2.6852	2.9598	2.8837	Ave		2.9111				4.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12264-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Pentane	+++++ 0.9271	+++++ 1.0006	0.9394 0.9127	0.9537	0.9414	Ave		0.9458				3.2		30.0			
Ethanol	+++++ 0.1450	+++++ 0.1569	0.1462 0.1364	0.1516	0.1360	Ave		0.1454				5.7		30.0			
Ethyl ether	+++++ 0.4227	0.3714 0.4080	0.4053 0.4154	0.4223	0.4177	Ave		0.4090				4.4		30.0			
Freon TF	+++++ 1.8421	1.8511 2.0303	2.0329 1.8071	1.9201	1.8936	Ave		1.9110				4.7		30.0			
1,1-Dichloroethene	+++++ 0.7837	0.9106 0.8561	0.7652 0.7729	0.8101	0.8011	Ave		0.8143				6.4		30.0			
Acetone	+++++ 0.9111	+++++ 0.8430	+++++ 0.8608	0.9724	0.9167	Ave		0.9008				5.7		30.0			
Ethyl acetate	+++++ 0.0478	+++++ 0.0453	+++++ 0.0495	0.0479	0.0465	Ave		0.0474				3.3		30.0			
Carbon disulfide	+++++ 2.2400	+++++ 2.4175	2.2366 2.1755	2.2871	2.2624	Ave		2.2699				3.6		30.0			
Isopropyl alcohol	+++++ 0.6319	+++++ 0.6253	+++++ 0.5866	0.6465	0.6730	Ave		0.6326				5.0		30.0			
3-Chloropropene	+++++ 0.7182	0.7971 0.7689	0.6646 0.7674	0.7664	0.7781	Ave		0.7515				6.0		30.0			
Acetonitrile	+++++ 0.3393	+++++ 0.3070	+++++ 0.2507	0.3003	0.3248	Ave		0.3044				11.1		30.0			
Methylene Chloride	+++++ 0.6955	+++++ 0.7481	0.8031 0.6651	0.7368	0.7208	Ave		0.7282				6.5		30.0			
tert-Butyl alcohol	+++++ 1.1759	+++++ 1.1813	+++++ 1.1488	1.2205	1.2723	Ave		1.1998				4.0		30.0			
Methyl tert-butyl ether	+++++ 2.1979	2.2327 2.0842	2.1234 2.1517	2.2059	2.1852	Ave		2.1687				2.4		30.0			
trans-1,2-Dichloroethene	+++++ 1.1067	1.1193 1.2048	1.1389 1.0769	1.1680	1.1390	Ave		1.1362				3.7		30.0			
Acrylonitrile	+++++ 0.3685	+++++ 0.3444	0.3409 0.3608	0.3587	0.3602	Ave		0.3556				3.0		30.0			
n-Hexane	+++++ 0.9428	0.8977 1.0169	0.9129 0.9244	0.9528	0.9495	Ave		0.9424				4.1		30.0			
1,1-Dichloroethane	+++++ 1.3651	1.4035 1.4616	1.4202 1.3263	1.4008	1.3894	Ave		1.3953				3.0		30.0			
Vinyl acetate	+++++ 1.3438	+++++ 1.2348	+++++ 1.3601	1.2638	1.2721	Ave		1.2949				4.2		30.0			
cis-1,2-Dichloroethene	+++++ 0.8724	1.0745 0.9432	0.9257 0.8711	0.8987	0.8689	Ave		0.9221				7.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12264-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Methyl Ethyl Ketone	+++++ 0.2760	+++++ 0.2625	0.2613 0.2831	0.2616	0.2713	Ave		0.2693				3.4		30.0			
Tetrahydrofuran	+++++ 0.1296	+++++ 0.1495	+++++ 0.1277	0.1244	0.1309	Ave		0.1324				7.4		30.0			
Chloroform	+++++ 1.9077	1.9781 1.9968	1.9345 1.8392	1.9838	1.9023	Ave		1.9346				2.9		30.0			
n-Butanol	+++++ 0.0563	+++++ 0.0748	+++++ 0.0611	0.0534	0.0626	Ave		0.0616				13.3		30.0			
1,1,1-Trichloroethane	+++++ 0.5474	0.5937 0.7185	0.5480 0.5280	0.5570	0.5670	Ave		0.5799				11.1		30.0			
Cyclohexane	+++++ 0.2414	0.2458 0.3194	0.2306 0.2392	0.2358	0.2457	Ave		0.2511				12.2		30.0			
Benzene	+++++ 0.5160	0.5489 0.6515	0.5191 0.5194	0.5242	0.5174	Ave		0.5424				9.1		30.0			
2,2,4-Trimethylpentane	+++++ 0.7158	0.7314 0.9266	0.6806 0.7049	0.7137	0.7192	Ave		0.7417				11.2		30.0			
1,2-Dichloroethane	+++++ 0.3001	0.3175 0.3730	0.2906 0.2916	0.3088	0.3022	Ave		0.3120				9.1		30.0			
n-Heptane	+++++ 0.2370	0.2342 0.3010	0.2311 0.2341	0.2368	0.2390	Ave		0.2447				10.2		30.0			
Carbon tetrachloride	0.6954 0.6231	0.6515 0.8266	0.6078 0.6028	0.6421	0.6504	Ave		0.6625				10.9		30.0			
1,2-Dichloropropane	+++++ 0.1665	0.1628 0.2024	0.1537 0.1651	0.1662	0.1672	Ave		0.1691				9.1		30.0			
Methyl methacrylate	+++++ 0.1421	+++++ 0.1667	0.0955 0.1495	0.1272	0.1431	Ave		0.1373				17.6		30.0			
1,4-Dioxane	+++++ 0.0679	+++++ 0.0816	+++++ 0.0626	0.0735	0.0763	Ave		0.0724				10.2		30.0			
Dibromomethane	+++++ 0.3236	0.3224 0.4115	0.2939 0.3235	0.3165	0.3154	Ave		0.3295				11.4		30.0			
Bromodichloromethane	+++++ 0.4853	0.4402 0.6042	0.4329 0.4718	0.4848	0.4825	Ave		0.4860				11.6		30.0			
cis-1,3-Dichloropropene	+++++ 0.2751	0.2755 0.3340	0.2363 0.2772	0.2657	0.2760	Ave		0.2771				10.5		30.0			
Trichloroethene	0.3582 0.2969	0.3177 0.3880	0.2898 0.2830	0.2976	0.2985	Ave		0.3162				11.8		30.0			
methyl isobutyl ketone	+++++ 0.2848	+++++ 0.3418	0.2160 0.2923	0.2728	0.2887	Ave		0.2827				14.3		30.0			
Toluene	+++++ 0.3973	0.4437 0.4744	0.3687 0.3962	0.3907	0.4187	Ave		0.4128				8.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12264-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3146	0.2932 0.3836	0.2812 0.3212	0.3012	0.3154	Ave		0.3158				10.5		30.0			
trans-1,3-Dichloropropene	+++++ 0.2735	0.2568 0.3362	0.2432 0.2756	0.2623	0.2745	Ave		0.2746				10.8		30.0			
1,1,2-Trichloroethane	+++++ 0.1920	0.2085 0.2286	0.1848 0.1846	0.1884	0.2028	Ave		0.1985				8.1		30.0			
Tetrachloroethene	+++++ 0.4476	0.5729 0.5543	0.4828 0.4343	0.4534	0.4682	Ave		0.4877				11.1		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2704	+++++ 0.3416	0.2141 0.2685	0.2644	0.3028	Ave		0.2770				15.4		30.0			
n-Dodecane	+++++ 0.2194	+++++ 0.2070	+++++ 0.2169	0.2000	0.2375	Ave		0.2162				6.6		30.0			
Dibromochloromethane	+++++ 0.5522	0.4908 0.6697	0.4425 0.5380	0.5237	0.5813	Ave		0.5426				13.2		30.0			
1,2-Dibromoethane	+++++ 0.3705	0.3817 0.4428	0.3416 0.3465	0.3690	0.3916	Ave		0.3777				8.9		30.0			
n-Decane	+++++ 0.3672	+++++ 0.4036	0.2622 0.3883	0.3436	0.3838	Ave		0.3581				14.3		30.0			
Chlorobenzene	+++++ 0.5316	0.6243 0.6354	0.5145 0.5291	0.5300	0.5682	Ave		0.5619				8.8		30.0			
Ethylbenzene	+++++ 0.8572	0.9328 0.9804	0.7316 0.8763	0.8243	0.9024	Ave		0.8721				9.2		30.0			
n-Nonane	+++++ 0.3115	0.2927 0.3552	0.2554 0.3273	0.2964	0.3226	Ave		0.3087				10.2		30.0			
m,p-Xylene	+++++ 0.3452	0.3547 0.4029	0.2795 0.3763	0.3286	0.3618	Ave		0.3499				11.1		30.0			
n-Undecane	+++++ 0.3267	+++++ 0.3476	+++++ 0.3592	0.3051	0.3512	Ave		0.3380				6.5		30.0			
Xylene, o-	+++++ 0.3624	0.3744 0.4153	0.2992 0.3736	0.3397	0.3729	Ave		0.3625				9.9		30.0			
Styrene	+++++ 0.4700	0.4021 0.5623	0.3290 0.4999	0.4309	0.4980	Ave		0.4560				16.7		30.0			
Bromoform	+++++ 0.5237	0.4260 0.6398	0.3589 0.5274	0.4839	0.5547	Ave		0.5020				18.1		30.0			
Cumene	+++++ 1.0808	1.1005 1.2274	0.8709 1.0991	1.0169	1.1206	Ave		1.0737				10.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.4710	0.4862 0.5524	0.4016 0.4744	0.4556	0.5024	Ave		0.4777				9.6		30.0			
1,2,3-Trichloropropane	+++++ 0.3457	+++++ 0.4052	0.2974 0.3476	0.3419	0.3758	Ave		0.3523				10.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12264-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Propylbenzene	+++++ 1.0978	1.0205 1.2655	0.8181 1.1427	1.0447	1.1629	Ave		1.0789				13.0		30.0			
4-Ethyltoluene	+++++ 1.0032	0.8324 1.1674	0.7103 1.0347	0.9334	1.0582	Ave		0.9628				15.8		30.0			
2-Chlorotoluene	+++++ 0.8076	0.8236 0.9379	0.6601 0.8150	0.7779	0.8563	Ave		0.8112				10.3		30.0			
1,3,5-Trimethylbenzene	+++++ 0.8702	0.8248 0.9816	0.6693 0.8958	0.8258	0.8996	Ave		0.8525				11.3		30.0			
Alpha Methyl Styrene	+++++ 0.3921	0.2633 0.4667	0.2088 0.4296	0.3491	0.4159	Ave		0.3608				26.0		30.0			
tert-Butylbenzene	+++++ 0.9015	0.8968 1.0065	0.7356 0.9336	0.8525	0.9233	Ave		0.8928				9.4		30.0			
1,2,4-Trimethylbenzene	+++++ 0.8362	0.7285 0.9420	0.5998 0.8609	0.7938	0.8793	Ave		0.8058				14.0		30.0			
sec-Butylbenzene	+++++ 1.2168	1.1378 1.3738	0.9170 1.2605	1.1607	1.2722	Ave		1.1913				12.1		30.0			
4-Isopropyltoluene	+++++ 1.0727	0.9429 1.2172	0.7288 1.1103	1.0033	1.1163	Ave		1.0273				15.4		30.0			
1,3-Dichlorobenzene	+++++ 0.5307	0.4984 0.6410	0.3946 0.5646	0.4824	0.5641	Ave		0.5251				14.8		30.0			
1,4-Dichlorobenzene	+++++ 0.4859	0.4326 0.5892	0.3452 0.5058	0.4325	0.5228	Ave		0.4734				16.6		30.0			
Benzyl chloride	+++++ 0.5453	0.3508 0.6663	0.2815 0.5770	0.4674	0.5634	Ave		0.4931				27.5		30.0			
n-Butylbenzene	+++++ 0.7748	0.5522 0.8891	0.4580 0.7974	0.7013	0.8147	Ave		0.7125				21.7		30.0			
1,2-Dichlorobenzene	+++++ 0.5325	0.4918 0.6304	0.3879 0.5530	0.4901	0.5661	Ave		0.5217				14.6		30.0			
1,2,4-Trichlorobenzene	+++++ 0.2386	+++++ 0.2748	0.0907 0.2754	0.1753	0.2403	Ave		0.2158				33.1	*	30.0			
Hexachlorobutadiene	+++++ 0.4244	0.4172 0.4800	0.3807 0.4018	0.4107	0.4396	Ave		0.4221				7.5		30.0			
Naphthalene	+++++ 0.4991	+++++ 0.5301	0.1959 0.5457	0.3802	0.5088	Ave		0.4433				30.4	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.2354	0.1174 0.2660	0.1152 0.2469	0.1881	0.2392	Ave		0.2012				31.1	*	30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12264-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-43550/3	ggr003.d
Level 2	IC 200-43550/4	ggr004.d
Level 3	IC 200-43550/5	ggr005.d
Level 4	IC 200-43550/6	ggr006.d
Level 5	ICIS 200-43550/7	ggr007.d
Level 6	IC 200-43550/8	ggr008.d
Level 7	IC 200-43550/9	ggr009.d
Level 8	IC 200-43550/10	ggr010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 379922	+++++ 508916	14222 1044814	123919	254334	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	+++++ 2542431	+++++ 3327981	86730 6760662	833003	1732993	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	+++++ 1080905	+++++ 1418289	39658 2878452	363543	737369	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2337467	33359 3074477	78358 6279711	785662	1583248	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	+++++ 475543	+++++ 625520	16722 1284322	156256	316582	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	+++++ 786717	+++++ 1041553	26926 2162124	259713	529715	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	+++++ 409024	5952 543073	13509 1110216	136163	275438	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	2832 627708	9320 833252	21821 1703076	208434	423073	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	+++++ 192640	+++++ 222328	+++++ 516843	58508	122010	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Bromomethane	BCM	Ave	+++++ 859160	12154 1135927	29459 2286428	277015	570632	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	+++++ 309489	+++++ 410807	10252 844764	101843	210604	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	+++++ 598985	9219 785393	21139 1617138	198402	403735	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 860902	12414 1139294	27886 2380522	273709	575981	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	+++++ 2589331	38082 3406537	91767 6985357	878700	1772955	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	+++++ 864445	+++++ 1138514	28235 2374209	283141	578823	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12264-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethanol	BCM	Ave	+++++ 180255	+++++ 357118	43951 887382	90005	125437	+++++ 20.0	+++++ 40.0	5.00 100	10.0	15.0
Ethyl ether	BCM	Ave	+++++ 394126	4675 464174	12183 1080640	125359	256843	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Freon TF	BCM	Ave	+++++ 1717720	23303 2310021	61103 4701014	570041	1164246	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	+++++ 730799	11464 974084	22999 2010559	240512	492541	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	+++++ 849605	+++++ 959200	+++++ 2239292	288687	563615	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	+++++ 44612	+++++ 51532	+++++ 128703	14212	28589	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	+++++ 2088760	+++++ 2750612	67224 5659512	678987	1390990	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	+++++ 589207	+++++ 711396	+++++ 1525895	191943	413753	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	+++++ 669702	10035 874878	19977 1996324	227518	478393	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	+++++ 316371	+++++ 349322	+++++ 652102	89144	199722	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	+++++ 648552	+++++ 851124	24140 1730171	218746	443181	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	+++++ 1096496	+++++ 1344023	+++++ 2988422	362343	782266	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	+++++ 2049449	28107 2371368	63823 5597582	654880	1343541	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1031955	14091 1370746	34233 2801402	346756	700310	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	+++++ 343597	+++++ 391844	10247 938559	106505	221449	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	+++++ 879122	11301 1156986	27438 2404859	282879	583806	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	+++++ 1272930	17668 1663012	42686 3450345	415869	854210	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	+++++ 1253091	+++++ 1404881	+++++ 3538132	375196	782101	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	+++++ 813491	13527 1073152	27824 2266197	266812	534230	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 257406	+++++ 298669	7855 736404	77656	166791	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	+++++ 505755	+++++ 577781	+++++ 1393514	157469	330282	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12264-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1778885	24902 2271901	58145 4784505	588935	1169575	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	+++++ 219801	+++++ 289166	+++++ 666302	67649	157876	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	+++++ 2136057	29778 2777476	70264 5761210	705153	1430643	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	+++++ 941989	12332 1234642	29575 2610592	298500	620069	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	+++++ 2013741	27535 2518664	66564 5667769	663621	1305511	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2793137	36689 3582050	87273 7692064	903562	1814729	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	+++++ 1171166	15924 1441935	37258 3181778	391012	762478	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	+++++ 924817	11746 1163581	29629 2554781	299819	603099	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	8052 2431295	32680 3195484	77936 6577343	812904	1641150	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	+++++ 649705	8164 782466	19715 1801030	210419	421983	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	+++++ 554436	+++++ 644256	12252 1631283	161060	361029	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	+++++ 265050	+++++ 315630	+++++ 683153	93073	192631	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	+++++ 1262606	16172 1590648	37686 3529492	400739	795906	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	+++++ 1893779	22083 2335584	55506 5148359	613824	1217432	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1073389	13819 1290975	30298 3024544	336451	696389	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichloroethene	DFB	Ave	4147 1158766	15934 1499725	37158 3088085	376744	753212	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	+++++ 1111263	+++++ 1321458	27693 3189773	345435	728432	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	+++++ 1452839	18847 1753817	42571 4168133	451200	934965	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	+++++ 1227749	14706 1482811	36059 3505275	381350	795770	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1067386	12879 1299691	31183 3007158	332068	692706	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 702268	8859 845287	21343 1941656	217561	452786	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12264-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	+++++ 1636999	24339 2049188	55749 4569136	523639	1045523	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 988893	+++++ 1262963	24722 2824859	305400	676137	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	+++++ 802297	+++++ 765198	+++++ 2282171	230978	530430	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	+++++ 2019457	20848 2475790	51095 5659733	604800	1298039	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 1354816	16214 1636975	39437 3645500	426177	874421	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	+++++ 1342887	+++++ 1492217	30271 4084995	396804	857096	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 1944110	26521 2349217	59407 5566354	612059	1268866	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 3134835	39627 3624516	84472 9218703	952040	2015126	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	+++++ 1139208	12432 1313269	29487 3443405	342374	720322	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	+++++ 2525255	30135 2979305	64537 7918263	759118	1615775	+++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
n-Undecane	CBZ	Ave	+++++ 1194961	+++++ 1285221	+++++ 3779192	352374	784246	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Xylene, o-	CBZ	Ave	+++++ 1325505	15905 1535190	34548 3930217	392299	832725	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	+++++ 1718774	17080 2078804	37985 5259019	497686	1112034	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	+++++ 1915215	18096 2365232	41435 5547850	558894	1238763	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	+++++ 3952650	46751 4537736	100557 11562026	1174417	2502522	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1722486	20655 2042071	46369 4990893	526157	1122059	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1264196	+++++ 1498167	34340 3657156	394857	839262	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	+++++ 4014992	43350 4678603	94464 12020913	1206528	2596883	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	+++++ 3668821	35363 4315902	82014 10885393	1077982	2363252	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	+++++ 2953571	34987 3467405	76222 8573831	898464	1912190	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3182496	35036 3629121	77284 9423669	953778	2008978	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12264-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Alpha Methyl Styrene	CBZ	Ave	+++++ 1433969	11184 1725393	24111 4519017	403236	928857	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	+++++ 3296891	38098 3721049	84938 9821354	984588	2061996	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 3058193	30946 3482492	69253 9056478	916786	1963544	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	+++++ 4450052	48335 5078955	105877 13260470	1340553	2841050	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	+++++ 3923103	40056 4499842	84147 11679728	1158706	2492820	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 1940819	21171 2369755	45567 5939941	557082	1259683	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	+++++ 1777019	18377 2178286	39855 5321416	499460	1167551	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	+++++ 1994386	14903 2463222	32505 6070401	539757	1258185	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	+++++ 2833557	23456 3286925	52878 8388449	809967	1819297	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 1947399	20890 2330416	44787 5817497	566015	1264230	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 872677	+++++ 1016095	10467 2896766	202413	536738	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 1552166	17725 1774520	43959 4226556	474315	981659	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	+++++ 1825133	+++++ 1959938	22622 5740214	439065	1136267	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 860924	4989 983443	13302 2597168	217289	534213	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

Curve Type Legend:
Ave = Average ISTD

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12332-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-43550/3	ggr003.d
Level 2	IC 200-43550/4	ggr004.d
Level 3	IC 200-43550/5	ggr005.d
Level 4	IC 200-43550/6	ggr006.d
Level 5	ICIS 200-43550/7	ggr007.d
Level 6	IC 200-43550/8	ggr008.d
Level 7	IC 200-43550/9	ggr009.d
Level 8	IC 200-43550/10	ggr010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 0.4074	+++++ 0.4473	0.4732 0.4016	0.4174	0.4137	Ave		0.4268				6.5		30.0			
Dichlorodifluoromethane	+++++ 2.7266	+++++ 2.9250	2.8855 2.5988	2.8059	2.8187	Ave		2.7934				4.2		30.0			
Freon 22	+++++ 1.1592	+++++ 1.2465	1.3194 1.1065	1.2245	1.1993	Ave		1.2093				6.1		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.5068	2.6499 2.7022	2.6070 2.4140	2.6464	2.5751	Ave		2.5859				3.8		30.0			
Chloromethane	+++++ 0.5100	+++++ 0.5498	0.5563 0.4937	0.5263	0.5149	Ave		0.5252				4.6		30.0			
n-Butane	+++++ 0.8437	+++++ 0.9154	0.8958 0.8311	0.8748	0.8616	Ave		0.8704				3.6		30.0			
1,3-Butadiene	+++++ 0.4386	0.4728 0.4773	0.4494 0.4268	0.4586	0.4480	Ave		0.4531				4.0		30.0			
Vinyl chloride	1.0783 0.6732	0.7403 0.7324	0.7260 0.6547	0.7021	0.6881	Ave		0.7494				18.2		30.0			
Acrolein	+++++ 0.2066	+++++ 0.1954	+++++ 0.1987	0.1971	0.1984	Ave		0.1992				2.2		30.0			
Bromomethane	+++++ 0.9214	0.9655 0.9984	0.9801 0.8789	0.9331	0.9281	Ave		0.9436				4.3		30.0			
Chloroethane	+++++ 0.3319	+++++ 0.3611	0.3411 0.3247	0.3430	0.3425	Ave		0.3407				3.6		30.0			
Isopentane	+++++ 0.6424	0.7323 0.6903	0.7033 0.6216	0.6683	0.6567	Ave		0.6736				5.6		30.0			
Bromoethene(Vinyl Bromide)	+++++ 0.9233	0.9861 1.0013	0.9278 0.9151	0.9220	0.9368	Ave		0.9446				3.6		30.0			
Trichlorofluoromethane	+++++ 2.7769	3.0250 2.9940	3.0531 2.6852	2.9598	2.8837	Ave		2.9111				4.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12332-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Pentane	+++++ 0.9271	+++++ 1.0006	0.9394 0.9127	0.9537	0.9414	Ave		0.9458				3.2		30.0			
Ethanol	+++++ 0.1450	+++++ 0.1569	0.1462 0.1364	0.1516	0.1360	Ave		0.1454				5.7		30.0			
Ethyl ether	+++++ 0.4227	0.3714 0.4080	0.4053 0.4154	0.4223	0.4177	Ave		0.4090				4.4		30.0			
Freon TF	+++++ 1.8421	1.8511 2.0303	2.0329 1.8071	1.9201	1.8936	Ave		1.9110				4.7		30.0			
1,1-Dichloroethene	+++++ 0.7837	0.9106 0.8561	0.7652 0.7729	0.8101	0.8011	Ave		0.8143				6.4		30.0			
Acetone	+++++ 0.9111	+++++ 0.8430	+++++ 0.8608	0.9724	0.9167	Ave		0.9008				5.7		30.0			
Ethyl acetate	+++++ 0.0478	+++++ 0.0453	+++++ 0.0495	0.0479	0.0465	Ave		0.0474				3.3		30.0			
Carbon disulfide	+++++ 2.2400	+++++ 2.4175	2.2366 2.1755	2.2871	2.2624	Ave		2.2699				3.6		30.0			
Isopropyl alcohol	+++++ 0.6319	+++++ 0.6253	+++++ 0.5866	0.6465	0.6730	Ave		0.6326				5.0		30.0			
3-Chloropropene	+++++ 0.7182	0.7971 0.7689	0.6646 0.7674	0.7664	0.7781	Ave		0.7515				6.0		30.0			
Acetonitrile	+++++ 0.3393	+++++ 0.3070	+++++ 0.2507	0.3003	0.3248	Ave		0.3044				11.1		30.0			
Methylene Chloride	+++++ 0.6955	+++++ 0.7481	0.8031 0.6651	0.7368	0.7208	Ave		0.7282				6.5		30.0			
tert-Butyl alcohol	+++++ 1.1759	+++++ 1.1813	+++++ 1.1488	1.2205	1.2723	Ave		1.1998				4.0		30.0			
Methyl tert-butyl ether	+++++ 2.1979	2.2327 2.0842	2.1234 2.1517	2.2059	2.1852	Ave		2.1687				2.4		30.0			
trans-1,2-Dichloroethene	+++++ 1.1067	1.1193 1.2048	1.1389 1.0769	1.1680	1.1390	Ave		1.1362				3.7		30.0			
Acrylonitrile	+++++ 0.3685	+++++ 0.3444	0.3409 0.3608	0.3587	0.3602	Ave		0.3556				3.0		30.0			
n-Hexane	+++++ 0.9428	0.8977 1.0169	0.9129 0.9244	0.9528	0.9495	Ave		0.9424				4.1		30.0			
1,1-Dichloroethane	+++++ 1.3651	1.4035 1.4616	1.4202 1.3263	1.4008	1.3894	Ave		1.3953				3.0		30.0			
Vinyl acetate	+++++ 1.3438	+++++ 1.2348	+++++ 1.3601	1.2638	1.2721	Ave		1.2949				4.2		30.0			
cis-1,2-Dichloroethene	+++++ 0.8724	1.0745 0.9432	0.9257 0.8711	0.8987	0.8689	Ave		0.9221				7.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12332-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Methyl Ethyl Ketone	+++++ 0.2760	+++++ 0.2625	0.2613 0.2831	0.2616	0.2713	Ave		0.2693				3.4		30.0			
Tetrahydrofuran	+++++ 0.1296	+++++ 0.1495	+++++ 0.1277	0.1244	0.1309	Ave		0.1324				7.4		30.0			
Chloroform	+++++ 1.9077	1.9781 1.9968	1.9345 1.8392	1.9838	1.9023	Ave		1.9346				2.9		30.0			
n-Butanol	+++++ 0.0563	+++++ 0.0748	+++++ 0.0611	0.0534	0.0626	Ave		0.0616				13.3		30.0			
1,1,1-Trichloroethane	+++++ 0.5474	0.5937 0.7185	0.5480 0.5280	0.5570	0.5670	Ave		0.5799				11.1		30.0			
Cyclohexane	+++++ 0.2414	0.2458 0.3194	0.2306 0.2392	0.2358	0.2457	Ave		0.2511				12.2		30.0			
Benzene	+++++ 0.5160	0.5489 0.6515	0.5191 0.5194	0.5242	0.5174	Ave		0.5424				9.1		30.0			
2,2,4-Trimethylpentane	+++++ 0.7158	0.7314 0.9266	0.6806 0.7049	0.7137	0.7192	Ave		0.7417				11.2		30.0			
1,2-Dichloroethane	+++++ 0.3001	0.3175 0.3730	0.2906 0.2916	0.3088	0.3022	Ave		0.3120				9.1		30.0			
n-Heptane	+++++ 0.2370	0.2342 0.3010	0.2311 0.2341	0.2368	0.2390	Ave		0.2447				10.2		30.0			
Carbon tetrachloride	0.6954 0.6231	0.6515 0.8266	0.6078 0.6028	0.6421	0.6504	Ave		0.6625				10.9		30.0			
1,2-Dichloropropane	+++++ 0.1665	0.1628 0.2024	0.1537 0.1651	0.1662	0.1672	Ave		0.1691				9.1		30.0			
Methyl methacrylate	+++++ 0.1421	+++++ 0.1667	0.0955 0.1495	0.1272	0.1431	Ave		0.1373				17.6		30.0			
1,4-Dioxane	+++++ 0.0679	+++++ 0.0816	+++++ 0.0626	0.0735	0.0763	Ave		0.0724				10.2		30.0			
Dibromomethane	+++++ 0.3236	0.3224 0.4115	0.2939 0.3235	0.3165	0.3154	Ave		0.3295				11.4		30.0			
Bromodichloromethane	+++++ 0.4853	0.4402 0.6042	0.4329 0.4718	0.4848	0.4825	Ave		0.4860				11.6		30.0			
cis-1,3-Dichloropropene	+++++ 0.2751	0.2755 0.3340	0.2363 0.2772	0.2657	0.2760	Ave		0.2771				10.5		30.0			
Trichloroethene	0.3582 0.2969	0.3177 0.3880	0.2898 0.2830	0.2976	0.2985	Ave		0.3162				11.8		30.0			
methyl isobutyl ketone	+++++ 0.2848	+++++ 0.3418	0.2160 0.2923	0.2728	0.2887	Ave		0.2827				14.3		30.0			
Toluene	+++++ 0.3973	0.4437 0.4744	0.3687 0.3962	0.3907	0.4187	Ave		0.4128				8.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12332-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.3146	0.2932 0.3836	0.2812 0.3212	0.3012	0.3154	Ave		0.3158				10.5		30.0			
trans-1,3-Dichloropropene	+++++ 0.2735	0.2568 0.3362	0.2432 0.2756	0.2623	0.2745	Ave		0.2746				10.8		30.0			
1,1,2-Trichloroethane	+++++ 0.1920	0.2085 0.2286	0.1848 0.1846	0.1884	0.2028	Ave		0.1985				8.1		30.0			
Tetrachloroethene	+++++ 0.4476	0.5729 0.5543	0.4828 0.4343	0.4534	0.4682	Ave		0.4877				11.1		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.2704	+++++ 0.3416	0.2141 0.2685	0.2644	0.3028	Ave		0.2770				15.4		30.0			
n-Dodecane	+++++ 0.2194	+++++ 0.2070	+++++ 0.2169	0.2000	0.2375	Ave		0.2162				6.6		30.0			
Dibromochloromethane	+++++ 0.5522	0.4908 0.6697	0.4425 0.5380	0.5237	0.5813	Ave		0.5426				13.2		30.0			
1,2-Dibromoethane	+++++ 0.3705	0.3817 0.4428	0.3416 0.3465	0.3690	0.3916	Ave		0.3777				8.9		30.0			
n-Decane	+++++ 0.3672	+++++ 0.4036	0.2622 0.3883	0.3436	0.3838	Ave		0.3581				14.3		30.0			
Chlorobenzene	+++++ 0.5316	0.6243 0.6354	0.5145 0.5291	0.5300	0.5682	Ave		0.5619				8.8		30.0			
Ethylbenzene	+++++ 0.8572	0.9328 0.9804	0.7316 0.8763	0.8243	0.9024	Ave		0.8721				9.2		30.0			
n-Nonane	+++++ 0.3115	0.2927 0.3552	0.2554 0.3273	0.2964	0.3226	Ave		0.3087				10.2		30.0			
m,p-Xylene	+++++ 0.3452	0.3547 0.4029	0.2795 0.3763	0.3286	0.3618	Ave		0.3499				11.1		30.0			
n-Undecane	+++++ 0.3267	+++++ 0.3476	+++++ 0.3592	0.3051	0.3512	Ave		0.3380				6.5		30.0			
Xylene, o-	+++++ 0.3624	0.3744 0.4153	0.2992 0.3736	0.3397	0.3729	Ave		0.3625				9.9		30.0			
Styrene	+++++ 0.4700	0.4021 0.5623	0.3290 0.4999	0.4309	0.4980	Ave		0.4560				16.7		30.0			
Bromoform	+++++ 0.5237	0.4260 0.6398	0.3589 0.5274	0.4839	0.5547	Ave		0.5020				18.1		30.0			
Cumene	+++++ 1.0808	1.1005 1.2274	0.8709 1.0991	1.0169	1.1206	Ave		1.0737				10.2		30.0			
1,1,2,2-Tetrachloroethane	+++++ 0.4710	0.4862 0.5524	0.4016 0.4744	0.4556	0.5024	Ave		0.4777				9.6		30.0			
1,2,3-Trichloropropane	+++++ 0.3457	+++++ 0.4052	0.2974 0.3476	0.3419	0.3758	Ave		0.3523				10.3		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 200-12332-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Propylbenzene	+++++ 1.0978	1.0205 1.2655	0.8181 1.1427	1.0447	1.1629	Ave		1.0789				13.0		30.0			
4-Ethyltoluene	+++++ 1.0032	0.8324 1.1674	0.7103 1.0347	0.9334	1.0582	Ave		0.9628				15.8		30.0			
2-Chlorotoluene	+++++ 0.8076	0.8236 0.9379	0.6601 0.8150	0.7779	0.8563	Ave		0.8112				10.3		30.0			
1,3,5-Trimethylbenzene	+++++ 0.8702	0.8248 0.9816	0.6693 0.8958	0.8258	0.8996	Ave		0.8525				11.3		30.0			
Alpha Methyl Styrene	+++++ 0.3921	0.2633 0.4667	0.2088 0.4296	0.3491	0.4159	Ave		0.3608				26.0		30.0			
tert-Butylbenzene	+++++ 0.9015	0.8968 1.0065	0.7356 0.9336	0.8525	0.9233	Ave		0.8928				9.4		30.0			
1,2,4-Trimethylbenzene	+++++ 0.8362	0.7285 0.9420	0.5998 0.8609	0.7938	0.8793	Ave		0.8058				14.0		30.0			
sec-Butylbenzene	+++++ 1.2168	1.1378 1.3738	0.9170 1.2605	1.1607	1.2722	Ave		1.1913				12.1		30.0			
4-Isopropyltoluene	+++++ 1.0727	0.9429 1.2172	0.7288 1.1103	1.0033	1.1163	Ave		1.0273				15.4		30.0			
1,3-Dichlorobenzene	+++++ 0.5307	0.4984 0.6410	0.3946 0.5646	0.4824	0.5641	Ave		0.5251				14.8		30.0			
1,4-Dichlorobenzene	+++++ 0.4859	0.4326 0.5892	0.3452 0.5058	0.4325	0.5228	Ave		0.4734				16.6		30.0			
Benzyl chloride	+++++ 0.5453	0.3508 0.6663	0.2815 0.5770	0.4674	0.5634	Ave		0.4931				27.5		30.0			
n-Butylbenzene	+++++ 0.7748	0.5522 0.8891	0.4580 0.7974	0.7013	0.8147	Ave		0.7125				21.7		30.0			
1,2-Dichlorobenzene	+++++ 0.5325	0.4918 0.6304	0.3879 0.5530	0.4901	0.5661	Ave		0.5217				14.6		30.0			
1,2,4-Trichlorobenzene	+++++ 0.2386	+++++ 0.2748	0.0907 0.2754	0.1753	0.2403	Ave		0.2158				33.1	*	30.0			
Hexachlorobutadiene	+++++ 0.4244	0.4172 0.4800	0.3807 0.4018	0.4107	0.4396	Ave		0.4221				7.5		30.0			
Naphthalene	+++++ 0.4991	+++++ 0.5301	0.1959 0.5457	0.3802	0.5088	Ave		0.4433				30.4	*	30.0			
1,2,3-Trichlorobenzene	+++++ 0.2354	0.1174 0.2660	0.1152 0.2469	0.1881	0.2392	Ave		0.2012				31.1	*	30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12332-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-43550/3	ggr003.d
Level 2	IC 200-43550/4	ggr004.d
Level 3	IC 200-43550/5	ggr005.d
Level 4	IC 200-43550/6	ggr006.d
Level 5	ICIS 200-43550/7	ggr007.d
Level 6	IC 200-43550/8	ggr008.d
Level 7	IC 200-43550/9	ggr009.d
Level 8	IC 200-43550/10	ggr010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 379922	+++++ 508916	14222 1044814	123919	254334	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	+++++ 2542431	+++++ 3327981	86730 6760662	833003	1732993	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	+++++ 1080905	+++++ 1418289	39658 2878452	363543	737369	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 2337467	33359 3074477	78358 6279711	785662	1583248	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	+++++ 475543	+++++ 625520	16722 1284322	156256	316582	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Butane	BCM	Ave	+++++ 786717	+++++ 1041553	26926 2162124	259713	529715	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	+++++ 409024	5952 543073	13509 1110216	136163	275438	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	2832 627708	9320 833252	21821 1703076	208434	423073	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	+++++ 192640	+++++ 222328	+++++ 516843	58508	122010	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Bromomethane	BCM	Ave	+++++ 859160	12154 1135927	29459 2286428	277015	570632	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	+++++ 309489	+++++ 410807	10252 844764	101843	210604	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	+++++ 598985	9219 785393	21139 1617138	198402	403735	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 860902	12414 1139294	27886 2380522	273709	575981	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	+++++ 2589331	38082 3406537	91767 6985357	878700	1772955	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Pentane	BCM	Ave	+++++ 864445	+++++ 1138514	28235 2374209	283141	578823	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12332-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethanol	BCM	Ave	+++++ 180255	+++++ 357118	43951 887382	90005	125437	+++++ 20.0	+++++ 40.0	5.00 100	10.0	15.0
Ethyl ether	BCM	Ave	+++++ 394126	4675 464174	12183 1080640	125359	256843	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Freon TF	BCM	Ave	+++++ 1717720	23303 2310021	61103 4701014	570041	1164246	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	+++++ 730799	11464 974084	22999 2010559	240512	492541	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	+++++ 849605	+++++ 959200	+++++ 2239292	288687	563615	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	+++++ 44612	+++++ 51532	+++++ 128703	14212	28589	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	+++++ 2088760	+++++ 2750612	67224 5659512	678987	1390990	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	+++++ 589207	+++++ 711396	+++++ 1525895	191943	413753	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	+++++ 669702	10035 874878	19977 1996324	227518	478393	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	+++++ 316371	+++++ 349322	+++++ 652102	89144	199722	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	+++++ 648552	+++++ 851124	24140 1730171	218746	443181	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	+++++ 1096496	+++++ 1344023	+++++ 2988422	362343	782266	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	+++++ 2049449	28107 2371368	63823 5597582	654880	1343541	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	+++++ 1031955	14091 1370746	34233 2801402	346756	700310	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	+++++ 343597	+++++ 391844	10247 938559	106505	221449	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	+++++ 879122	11301 1156986	27438 2404859	282879	583806	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	+++++ 1272930	17668 1663012	42686 3450345	415869	854210	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	+++++ 1253091	+++++ 1404881	+++++ 3538132	375196	782101	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	+++++ 813491	13527 1073152	27824 2266197	266812	534230	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	+++++ 257406	+++++ 298669	7855 736404	77656	166791	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Tetrahydrofuran	DFB	Ave	+++++ 505755	+++++ 577781	+++++ 1393514	157469	330282	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12332-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 1778885	24902 2271901	58145 4784505	588935	1169575	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	+++++ 219801	+++++ 289166	+++++ 666302	67649	157876	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	+++++ 2136057	29778 2777476	70264 5761210	705153	1430643	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	+++++ 941989	12332 1234642	29575 2610592	298500	620069	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzene	DFB	Ave	+++++ 2013741	27535 2518664	66564 5667769	663621	1305511	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	+++++ 2793137	36689 3582050	87273 7692064	903562	1814729	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	+++++ 1171166	15924 1441935	37258 3181778	391012	762478	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	+++++ 924817	11746 1163581	29629 2554781	299819	603099	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	8052 2431295	32680 3195484	77936 6577343	812904	1641150	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	+++++ 649705	8164 782466	19715 1801030	210419	421983	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	+++++ 554436	+++++ 644256	12252 1631283	161060	361029	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	+++++ 265050	+++++ 315630	+++++ 683153	93073	192631	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dibromomethane	DFB	Ave	+++++ 1262606	16172 1590648	37686 3529492	400739	795906	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	+++++ 1893779	22083 2335584	55506 5148359	613824	1217432	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	+++++ 1073389	13819 1290975	30298 3024544	336451	696389	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichloroethene	DFB	Ave	4147 1158766	15934 1499725	37158 3088085	376744	753212	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	+++++ 1111263	+++++ 1321458	27693 3189773	345435	728432	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	+++++ 1452839	18847 1753817	42571 4168133	451200	934965	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	+++++ 1227749	14706 1482811	36059 3505275	381350	795770	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	+++++ 1067386	12879 1299691	31183 3007158	332068	692706	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 702268	8859 845287	21343 1941656	217561	452786	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12332-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	+++++ 1636999	24339 2049188	55749 4569136	523639	1045523	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	+++++ 988893	+++++ 1262963	24722 2824859	305400	676137	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	+++++ 802297	+++++ 765198	+++++ 2282171	230978	530430	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	+++++ 2019457	20848 2475790	51095 5659733	604800	1298039	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 1354816	16214 1636975	39437 3645500	426177	874421	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	+++++ 1342887	+++++ 1492217	30271 4084995	396804	857096	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 1944110	26521 2349217	59407 5566354	612059	1268866	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 3134835	39627 3624516	84472 9218703	952040	2015126	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	+++++ 1139208	12432 1313269	29487 3443405	342374	720322	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	+++++ 2525255	30135 2979305	64537 7918263	759118	1615775	+++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
n-Undecane	CBZ	Ave	+++++ 1194961	+++++ 1285221	+++++ 3779192	352374	784246	+++++ 15.0	+++++ 20.0	+++++ 40.0	5.00	10.0
Xylene, o-	CBZ	Ave	+++++ 1325505	15905 1535190	34548 3930217	392299	832725	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	+++++ 1718774	17080 2078804	37985 5259019	497686	1112034	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	+++++ 1915215	18096 2365232	41435 5547850	558894	1238763	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	+++++ 3952650	46751 4537736	100557 11562026	1174417	2502522	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	+++++ 1722486	20655 2042071	46369 4990893	526157	1122059	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	+++++ 1264196	+++++ 1498167	34340 3657156	394857	839262	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	+++++ 4014992	43350 4678603	94464 12020913	1206528	2596883	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	+++++ 3668821	35363 4315902	82014 10885393	1077982	2363252	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	+++++ 2953571	34987 3467405	76222 8573831	898464	1912190	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	+++++ 3182496	35036 3629121	77284 9423669	953778	2008978	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 200-12332-1 Analy Batch No.: 43550

SDG No.:

Instrument ID: G.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2012 20:58 Calibration End Date: 08/16/2012 03:07 Calibration ID: 17165

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Alpha Methyl Styrene	CBZ	Ave	+++++ 1433969	11184 1725393	24111 4519017	403236	928857	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
tert-Butylbenzene	CBZ	Ave	+++++ 3296891	38098 3721049	84938 9821354	984588	2061996	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,4-Trimethylbenzene	CBZ	Ave	+++++ 3058193	30946 3482492	69253 9056478	916786	1963544	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	+++++ 4450052	48335 5078955	105877 13260470	1340553	2841050	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	+++++ 3923103	40056 4499842	84147 11679728	1158706	2492820	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	+++++ 1940819	21171 2369755	45567 5939941	557082	1259683	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	+++++ 1777019	18377 2178286	39855 5321416	499460	1167551	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	+++++ 1994386	14903 2463222	32505 6070401	539757	1258185	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	+++++ 2833557	23456 3286925	52878 8388449	809967	1819297	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	+++++ 1947399	20890 2330416	44787 5817497	566015	1264230	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	+++++ 872677	+++++ 1016095	10467 2896766	202413	536738	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	+++++ 1552166	17725 1774520	43959 4226556	474315	981659	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	+++++ 1825133	+++++ 1959938	22622 5740214	439065	1136267	+++++ 15.0	+++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	+++++ 860924	4989 983443	13302 2597168	217289	534213	+++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Lab Sample ID: ICV 200-43550/12 Calibration Date: 08/16/2012 04:52

Instrument ID: G.i Calib Start Date: 08/15/2012 20:58

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/16/2012 03:07

Lab File ID: ggr012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4268	0.3893		9.12	10.0	-8.8	30.0
Dichlorodifluoromethane	Ave	2.793	2.573		9.21	10.0	-7.9	30.0
Freon 22	Ave	1.209	1.133		9.37	10.0	-6.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.586	2.431		9.40	10.0	-6.0	30.0
Chloromethane	Ave	0.5252	0.5087		9.68	10.0	-3.1	30.0
n-Butane	Ave	0.8704	0.8249		9.47	10.0	-5.2	30.0
Vinyl chloride	Ave	0.7494	0.6729		8.98	10.0	-10.2	30.0
1,3-Butadiene	Ave	0.4531	0.4526		9.99	10.0	-0.1	30.0
Bromomethane	Ave	0.9436	0.8735		9.26	10.0	-7.4	30.0
Chloroethane	Ave	0.3407	0.3146		9.23	10.0	-7.7	30.0
Isopentane	Ave	0.6736	0.6199		9.20	10.0	-8.0	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9446	0.9223		9.76	10.0	-2.4	30.0
Trichlorofluoromethane	Ave	2.911	2.680		9.21	10.0	-7.9	30.0
n-Pentane	Ave	0.9458	0.8783		9.28	10.0	-7.1	30.0
Ethanol	Ave	0.1454	0.1352		14.0	15.0	-7.0	30.0
Ethyl ether	Ave	0.4090	0.3831		9.37	10.0	-6.3	30.0
Acrolein	Ave	0.1992	0.1634		8.20	10.0	-18.0	30.0
Freon TF	Ave	1.911	1.927		10.1	10.0	0.8	30.0
1,1-Dichloroethene	Ave	0.8143	0.8262		10.1	10.0	1.5	30.0
Acetone	Ave	0.9008	0.9726		10.8	10.0	8.0	30.0
Carbon disulfide	Ave	2.270	2.182		9.61	10.0	-3.9	30.0
Isopropyl alcohol	Ave	0.6326	0.5194		8.21	10.0	-17.9	30.0
3-Chloropropene	Ave	0.7515	0.7026		9.35	10.0	-6.5	30.0
Acetonitrile	Ave	0.3044	0.3132		10.3	10.0	2.9	30.0
Methylene Chloride	Ave	0.7282	0.7400		10.2	10.0	1.6	30.0
tert-Butyl alcohol	Ave	1.200	0.9728		8.11	10.0	-18.9	30.0
Methyl tert-butyl ether	Ave	2.169	2.087		9.62	10.0	-3.7	30.0
trans-1,2-Dichloroethene	Ave	1.136	1.073		9.44	10.0	-5.6	30.0
Acrylonitrile	Ave	0.3556	0.3548		9.97	10.0	-0.2	30.0
n-Hexane	Ave	0.9424	0.9144		9.70	10.0	-3.0	30.0
1,1-Dichloroethane	Ave	1.395	1.328		9.52	10.0	-4.8	30.0
Vinyl acetate	Ave	1.295	1.220		9.42	10.0	-5.8	30.0
cis-1,2-Dichloroethene	Ave	0.9221	0.8954		9.71	10.0	-2.9	30.0
Methyl Ethyl Ketone	Ave	0.2693	0.2688		9.98	10.0	-0.2	30.0
Ethyl acetate	Ave	0.0474	0.0452		9.53	10.0	-4.7	30.0
Tetrahydrofuran	Ave	0.1324	0.1160		8.76	10.0	-12.4	30.0
Chloroform	Ave	1.935	1.812		9.37	10.0	-6.3	30.0
1,1,1-Trichloroethane	Ave	0.5799	0.5018		8.65	10.0	-13.5	30.0
Cyclohexane	Ave	0.2511	0.2258		8.99	10.0	-10.1	30.0
Carbon tetrachloride	Ave	0.6625	0.5676		8.57	10.0	-14.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Lab Sample ID: ICV 200-43550/12 Calibration Date: 08/16/2012 04:52

Instrument ID: G.i Calib Start Date: 08/15/2012 20:58

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/16/2012 03:07

Lab File ID: ggr012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5424	0.4849		8.94	10.0	-10.6	30.0
2,2,4-Trimethylpentane	Ave	0.7417	0.6649		8.96	10.0	-10.4	30.0
1,2-Dichloroethane	Ave	0.3120	0.2729		8.74	10.0	-12.5	30.0
n-Heptane	Ave	0.2447	0.2173		8.88	10.0	-11.2	30.0
n-Butanol	Ave	0.0616	0.0440		7.14	10.0	-28.6	30.0
Trichloroethene	Ave	0.3162	0.2661		8.41	10.0	-15.8	30.0
1,2-Dichloropropane	Ave	0.1691	0.1500		8.87	10.0	-11.3	30.0
Methyl methacrylate	Ave	0.1373	0.1245		9.06	10.0	-9.3	30.0
1,4-Dioxane	Ave	0.0724	0.0522		7.20	10.0	-28.0	30.0
Dibromomethane	Ave	0.3295	0.3006		9.12	10.0	-8.8	30.0
Bromodichloromethane	Ave	0.4860	0.4529		9.32	10.0	-6.8	30.0
cis-1,3-Dichloropropene	Ave	0.2771	0.2498		9.01	10.0	-9.9	30.0
methyl isobutyl ketone	Ave	0.2827	0.2550		9.02	10.0	-9.8	30.0
Toluene	Ave	0.4128	0.3955		9.58	10.0	-4.2	30.0
n-Octane	Ave	0.3158	0.2815		8.91	10.0	-10.9	30.0
trans-1,3-Dichloropropene	Ave	0.2746	0.2439		8.88	10.0	-11.2	30.0
1,1,2-Trichloroethane	Ave	0.1985	0.1779		8.96	10.0	-10.4	30.0
Tetrachloroethene	Ave	0.4877	0.4454		9.13	10.0	-8.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2770	0.2623		9.47	10.0	-5.3	30.0
Dibromochloromethane	Ave	0.5426	0.5449		10.0	10.0	0.4	30.0
1,2-Dibromoethane	Ave	0.3777	0.3600		9.53	10.0	-4.7	30.0
Chlorobenzene	Ave	0.5619	0.5109		9.09	10.0	-9.1	30.0
Ethylbenzene	Ave	0.8721	0.7922		9.08	10.0	-9.2	30.0
n-Nonane	Ave	0.3087	0.2927		9.48	10.0	-5.2	30.0
m,p-Xylene	Ave	0.3499	0.3239		18.5	20.0	-7.4	30.0
Xylene, o-	Ave	0.3625	0.3371		9.30	10.0	-7.0	30.0
Styrene	Ave	0.4560	0.4328		9.49	10.0	-5.1	30.0
Bromoform	Ave	0.5020	0.5067		10.1	10.0	0.9	30.0
Cumene	Ave	1.074	1.017		9.47	10.0	-5.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4777	0.4245		8.89	10.0	-11.1	30.0
1,2,3-Trichloropropane	Ave	0.3523	0.3266		9.27	10.0	-7.3	30.0
n-Propylbenzene	Ave	1.079	1.015		9.41	10.0	-5.9	30.0
4-Ethyltoluene	Ave	0.9628	0.9391		9.75	10.0	-2.5	30.0
2-Chlorotoluene	Ave	0.8112	0.7647		9.42	10.0	-5.7	30.0
n-Decane	Ave	0.3581	0.3346		9.34	10.0	-6.6	30.0
1,3,5-Trimethylbenzene	Ave	0.8525	0.7942		9.31	10.0	-6.8	30.0
Alpha Methyl Styrene	Ave	0.3608	0.3602		9.98	10.0	-0.2	30.0
tert-Butylbenzene	Ave	0.8928	0.8481		9.50	10.0	-5.0	30.0
1,2,4-Trimethylbenzene	Ave	0.8058	0.7434		9.22	10.0	-7.7	30.0
sec-Butylbenzene	Ave	1.191	1.137		9.54	10.0	-4.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Lab Sample ID: ICV 200-43550/12 Calibration Date: 08/16/2012 04:52

Instrument ID: G.i Calib Start Date: 08/15/2012 20:58

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/16/2012 03:07

Lab File ID: ggr012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.027	0.998		9.71	10.0	-2.9	30.0
1,3-Dichlorobenzene	Ave	0.5251	0.4772		9.09	10.0	-9.1	30.0
1,4-Dichlorobenzene	Ave	0.4734	0.4339		9.16	10.0	-8.4	30.0
Benzyl chloride	Ave	0.4931	0.4755		9.64	10.0	-3.6	30.0
n-Butylbenzene	Ave	0.7125	0.7049		9.89	10.0	-1.1	30.0
n-Undecane	Ave	0.3380	0.2916		8.63	10.0	-13.7	30.0
1,2-Dichlorobenzene	Ave	0.5217	0.4718		9.04	10.0	-9.6	30.0
n-Dodecane	Ave	0.2162	0.1915		8.86	10.0	-11.4	30.0
1,2,4-Trichlorobenzene	Ave	0.2158	0.1903		8.81	10.0	-11.8	30.0
Hexachlorobutadiene	Ave	0.4221	0.3830		9.07	10.0	-9.3	30.0
Naphthalene	Ave	0.4433	0.4015		9.06	10.0	-9.4	30.0
1,2,3-Trichlorobenzene	Ave	0.2012	0.2050		10.2	10.0	1.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Lab Sample ID: CCVIS 200-43638/2 Calibration Date: 08/17/2012 15:31

Instrument ID: G.i Calib Start Date: 08/15/2012 20:58

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/16/2012 03:07

Lab File ID: ggrb002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4268	0.4579		10.7	10.0	7.3	30.0
Dichlorodifluoromethane	Ave	2.793	2.790		9.98	10.0	-0.1	30.0
Freon 22	Ave	1.209	1.183		9.78	10.0	-2.2	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.586	2.521		9.75	10.0	-2.5	30.0
Chloromethane	Ave	0.5252	0.5036		9.59	10.0	-4.1	30.0
n-Butane	Ave	0.8704	0.8238		9.46	10.0	-5.4	30.0
Vinyl chloride	Ave	0.7494	0.6588		8.79	10.0	-12.1	30.0
1,3-Butadiene	Ave	0.4531	0.4278		9.44	10.0	-5.6	30.0
Bromomethane	Ave	0.9436	0.8808		9.33	10.0	-6.7	30.0
Chloroethane	Ave	0.3407	0.3147		9.24	10.0	-7.6	30.0
Isopentane	Ave	0.6736	0.6164		9.15	10.0	-8.5	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9446	0.8965		9.49	10.0	-5.1	30.0
Trichlorofluoromethane	Ave	2.911	2.743		9.42	10.0	-5.8	30.0
n-Pentane	Ave	0.9458	0.8714		9.21	10.0	-7.9	30.0
Ethanol	Ave	0.1454	0.1398		14.4	15.0	-3.9	30.0
Ethyl ether	Ave	0.4090	0.3518		8.60	10.0	-14.0	30.0
Acrolein	Ave	0.1992	0.1647		8.27	10.0	-17.3	30.0
Freon TF	Ave	1.911	1.763		9.23	10.0	-7.7	30.0
1,1-Dichloroethene	Ave	0.8143	0.7451		9.15	10.0	-8.5	30.0
Acetone	Ave	0.9008	0.7606		8.44	10.0	-15.6	30.0
Carbon disulfide	Ave	2.270	2.064		9.09	10.0	-9.1	30.0
Isopropyl alcohol	Ave	0.6326	0.5994		9.47	10.0	-5.3	30.0
3-Chloropropene	Ave	0.7515	0.6889		9.17	10.0	-8.3	30.0
Acetonitrile	Ave	0.3044	0.2584		8.49	10.0	-15.1	30.0
Methylene Chloride	Ave	0.7282	0.6544		8.98	10.0	-10.1	30.0
tert-Butyl alcohol	Ave	1.200	1.107		9.22	10.0	-7.8	30.0
Methyl tert-butyl ether	Ave	2.169	1.788		8.24	10.0	-17.6	30.0
trans-1,2-Dichloroethene	Ave	1.136	1.042		9.16	10.0	-8.3	30.0
Acrylonitrile	Ave	0.3556	0.2917		8.20	10.0	-18.0	30.0
n-Hexane	Ave	0.9424	0.8758		9.29	10.0	-7.1	30.0
1,1-Dichloroethane	Ave	1.395	1.274		9.13	10.0	-8.7	30.0
Vinyl acetate	Ave	1.295	1.008		7.78	10.0	-22.2	30.0
cis-1,2-Dichloroethene	Ave	0.9221	0.8461		9.17	10.0	-8.2	30.0
Methyl Ethyl Ketone	Ave	0.2693	0.2250		8.35	10.0	-16.5	30.0
Ethyl acetate	Ave	0.0474	0.0393		8.29	10.0	-17.1	30.0
Tetrahydrofuran	Ave	0.1324	0.1310		9.89	10.0	-1.1	30.0
Chloroform	Ave	1.935	1.842		9.52	10.0	-4.8	30.0
1,1,1-Trichloroethane	Ave	0.5799	0.6737		11.6	10.0	16.2	30.0
Cyclohexane	Ave	0.2511	0.2969		11.8	10.0	18.2	30.0
Carbon tetrachloride	Ave	0.6625	0.7774		11.7	10.0	17.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Lab Sample ID: CCVIS 200-43638/2 Calibration Date: 08/17/2012 15:31

Instrument ID: G.i Calib Start Date: 08/15/2012 20:58

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/16/2012 03:07

Lab File ID: ggrb002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5424	0.5962		11.0	10.0	9.9	30.0
2,2,4-Trimethylpentane	Ave	0.7417	0.8327		11.2	10.0	12.3	30.0
1,2-Dichloroethane	Ave	0.3120	0.3395		10.9	10.0	8.8	30.0
n-Heptane	Ave	0.2447	0.2694		11.0	10.0	10.1	30.0
n-Butanol	Ave	0.0616	0.0682		11.1	10.0	10.7	30.0
Trichloroethene	Ave	0.3162	0.3511		11.1	10.0	11.0	30.0
1,2-Dichloropropane	Ave	0.1691	0.1776		10.5	10.0	5.0	30.0
Methyl methacrylate	Ave	0.1373	0.1405		10.2	10.0	2.3	30.0
1,4-Dioxane	Ave	0.0724	0.0842		11.6	10.0	16.2	30.0
Dibromomethane	Ave	0.3295	0.3794		11.5	10.0	15.1	30.0
Bromodichloromethane	Ave	0.4860	0.5466		11.2	10.0	12.5	30.0
cis-1,3-Dichloropropene	Ave	0.2771	0.2911		10.5	10.0	5.1	30.0
methyl isobutyl ketone	Ave	0.2827	0.2959		10.5	10.0	4.6	30.0
Toluene	Ave	0.4128	0.4294		10.4	10.0	4.0	30.0
n-Octane	Ave	0.3158	0.3324		10.5	10.0	5.3	30.0
trans-1,3-Dichloropropene	Ave	0.2746	0.2882		10.5	10.0	4.9	30.0
1,1,2-Trichloroethane	Ave	0.1985	0.2086		10.5	10.0	5.1	30.0
Tetrachloroethene	Ave	0.4877	0.5346		11.0	10.0	9.6	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2770	0.3016		10.9	10.0	8.9	30.0
Dibromochloromethane	Ave	0.5426	0.6122		11.3	10.0	12.8	30.0
1,2-Dibromoethane	Ave	0.3777	0.4133		10.9	10.0	9.4	30.0
Chlorobenzene	Ave	0.5619	0.5937		10.6	10.0	5.7	30.0
Ethylbenzene	Ave	0.8721	0.8930		10.2	10.0	2.4	30.0
n-Nonane	Ave	0.3087	0.3080		9.98	10.0	-0.2	30.0
m,p-Xylene	Ave	0.3499	0.3554		20.3	20.0	1.6	30.0
Xylene, o-	Ave	0.3625	0.3734		10.3	10.0	3.0	30.0
Styrene	Ave	0.4560	0.4861		10.7	10.0	6.6	30.0
Bromoform	Ave	0.5020	0.5756		11.5	10.0	14.7	30.0
Cumene	Ave	1.074	1.116		10.4	10.0	3.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4777	0.5057		10.6	10.0	5.9	30.0
1,2,3-Trichloropropane	Ave	0.3523	0.3741		10.6	10.0	6.2	30.0
n-Propylbenzene	Ave	1.079	1.142		10.6	10.0	5.8	30.0
4-Ethyltoluene	Ave	0.9628	1.042		10.8	10.0	8.2	30.0
2-Chlorotoluene	Ave	0.8112	0.8510		10.5	10.0	4.9	30.0
n-Decane	Ave	0.3581	0.3548		9.91	10.0	-0.9	30.0
1,3,5-Trimethylbenzene	Ave	0.8525	0.9009		10.6	10.0	5.7	30.0
Alpha Methyl Styrene	Ave	0.3608	0.4181		11.6	10.0	15.9	30.0
tert-Butylbenzene	Ave	0.8928	0.9360		10.5	10.0	4.8	30.0
1,2,4-Trimethylbenzene	Ave	0.8058	0.8719		10.8	10.0	8.2	30.0
sec-Butylbenzene	Ave	1.191	1.239		10.4	10.0	4.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Lab Sample ID: CCVIS 200-43638/2 Calibration Date: 08/17/2012 15:31

Instrument ID: G.i Calib Start Date: 08/15/2012 20:58

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/16/2012 03:07

Lab File ID: ggrb002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.027	1.097		10.7	10.0	6.8	30.0
1,3-Dichlorobenzene	Ave	0.5251	0.5640		10.7	10.0	7.4	30.0
1,4-Dichlorobenzene	Ave	0.4734	0.5144		10.9	10.0	8.7	30.0
Benzyl chloride	Ave	0.4931	0.5347		10.8	10.0	8.4	30.0
n-Butylbenzene	Ave	0.7125	0.7769		10.9	10.0	9.0	30.0
n-Undecane	Ave	0.3380	0.3330		9.85	10.0	-1.5	30.0
1,2-Dichlorobenzene	Ave	0.5217	0.5716		11.0	10.0	9.6	30.0
n-Dodecane	Ave	0.2162	0.2291		10.6	10.0	6.0	30.0
1,2,4-Trichlorobenzene	Ave	0.2158	0.2342		10.9	10.0	8.5	30.0
Hexachlorobutadiene	Ave	0.4221	0.4463		10.6	10.0	5.7	30.0
Naphthalene	Ave	0.4433	0.5006		11.3	10.0	12.9	30.0
1,2,3-Trichlorobenzene	Ave	0.2012	0.2416		12.0	10.0	20.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Lab Sample ID: ICV 200-43550/12 Calibration Date: 08/16/2012 04:52

Instrument ID: G.i Calib Start Date: 08/15/2012 20:58

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/16/2012 03:07

Lab File ID: ggr012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4268	0.3893		9.12	10.0	-8.8	30.0
Dichlorodifluoromethane	Ave	2.793	2.573		9.21	10.0	-7.9	30.0
Freon 22	Ave	1.209	1.133		9.37	10.0	-6.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.586	2.431		9.40	10.0	-6.0	30.0
Chloromethane	Ave	0.5252	0.5087		9.68	10.0	-3.1	30.0
n-Butane	Ave	0.8704	0.8249		9.47	10.0	-5.2	30.0
Vinyl chloride	Ave	0.7494	0.6729		8.98	10.0	-10.2	30.0
1,3-Butadiene	Ave	0.4531	0.4526		9.99	10.0	-0.1	30.0
Bromomethane	Ave	0.9436	0.8735		9.26	10.0	-7.4	30.0
Chloroethane	Ave	0.3407	0.3146		9.23	10.0	-7.7	30.0
Isopentane	Ave	0.6736	0.6199		9.20	10.0	-8.0	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9446	0.9223		9.76	10.0	-2.4	30.0
Trichlorofluoromethane	Ave	2.911	2.680		9.21	10.0	-7.9	30.0
n-Pentane	Ave	0.9458	0.8783		9.28	10.0	-7.1	30.0
Ethanol	Ave	0.1454	0.1352		14.0	15.0	-7.0	30.0
Ethyl ether	Ave	0.4090	0.3831		9.37	10.0	-6.3	30.0
Acrolein	Ave	0.1992	0.1634		8.20	10.0	-18.0	30.0
Freon TF	Ave	1.911	1.927		10.1	10.0	0.8	30.0
1,1-Dichloroethene	Ave	0.8143	0.8262		10.1	10.0	1.5	30.0
Acetone	Ave	0.9008	0.9726		10.8	10.0	8.0	30.0
Carbon disulfide	Ave	2.270	2.182		9.61	10.0	-3.9	30.0
Isopropyl alcohol	Ave	0.6326	0.5194		8.21	10.0	-17.9	30.0
3-Chloropropene	Ave	0.7515	0.7026		9.35	10.0	-6.5	30.0
Acetonitrile	Ave	0.3044	0.3132		10.3	10.0	2.9	30.0
Methylene Chloride	Ave	0.7282	0.7400		10.2	10.0	1.6	30.0
tert-Butyl alcohol	Ave	1.200	0.9728		8.11	10.0	-18.9	30.0
Methyl tert-butyl ether	Ave	2.169	2.087		9.62	10.0	-3.7	30.0
trans-1,2-Dichloroethene	Ave	1.136	1.073		9.44	10.0	-5.6	30.0
Acrylonitrile	Ave	0.3556	0.3548		9.97	10.0	-0.2	30.0
n-Hexane	Ave	0.9424	0.9144		9.70	10.0	-3.0	30.0
1,1-Dichloroethane	Ave	1.395	1.328		9.52	10.0	-4.8	30.0
Vinyl acetate	Ave	1.295	1.220		9.42	10.0	-5.8	30.0
cis-1,2-Dichloroethene	Ave	0.9221	0.8954		9.71	10.0	-2.9	30.0
Methyl Ethyl Ketone	Ave	0.2693	0.2688		9.98	10.0	-0.2	30.0
Ethyl acetate	Ave	0.0474	0.0452		9.53	10.0	-4.7	30.0
Tetrahydrofuran	Ave	0.1324	0.1160		8.76	10.0	-12.4	30.0
Chloroform	Ave	1.935	1.812		9.37	10.0	-6.3	30.0
1,1,1-Trichloroethane	Ave	0.5799	0.5018		8.65	10.0	-13.5	30.0
Cyclohexane	Ave	0.2511	0.2258		8.99	10.0	-10.1	30.0
Carbon tetrachloride	Ave	0.6625	0.5676		8.57	10.0	-14.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Lab Sample ID: ICV 200-43550/12 Calibration Date: 08/16/2012 04:52

Instrument ID: G.i Calib Start Date: 08/15/2012 20:58

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/16/2012 03:07

Lab File ID: ggr012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5424	0.4849		8.94	10.0	-10.6	30.0
2,2,4-Trimethylpentane	Ave	0.7417	0.6649		8.96	10.0	-10.4	30.0
1,2-Dichloroethane	Ave	0.3120	0.2729		8.74	10.0	-12.5	30.0
n-Heptane	Ave	0.2447	0.2173		8.88	10.0	-11.2	30.0
n-Butanol	Ave	0.0616	0.0440		7.14	10.0	-28.6	30.0
Trichloroethene	Ave	0.3162	0.2661		8.41	10.0	-15.8	30.0
1,2-Dichloropropane	Ave	0.1691	0.1500		8.87	10.0	-11.3	30.0
Methyl methacrylate	Ave	0.1373	0.1245		9.06	10.0	-9.3	30.0
1,4-Dioxane	Ave	0.0724	0.0522		7.20	10.0	-28.0	30.0
Dibromomethane	Ave	0.3295	0.3006		9.12	10.0	-8.8	30.0
Bromodichloromethane	Ave	0.4860	0.4529		9.32	10.0	-6.8	30.0
cis-1,3-Dichloropropene	Ave	0.2771	0.2498		9.01	10.0	-9.9	30.0
methyl isobutyl ketone	Ave	0.2827	0.2550		9.02	10.0	-9.8	30.0
Toluene	Ave	0.4128	0.3955		9.58	10.0	-4.2	30.0
n-Octane	Ave	0.3158	0.2815		8.91	10.0	-10.9	30.0
trans-1,3-Dichloropropene	Ave	0.2746	0.2439		8.88	10.0	-11.2	30.0
1,1,2-Trichloroethane	Ave	0.1985	0.1779		8.96	10.0	-10.4	30.0
Tetrachloroethene	Ave	0.4877	0.4454		9.13	10.0	-8.7	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2770	0.2623		9.47	10.0	-5.3	30.0
Dibromochloromethane	Ave	0.5426	0.5449		10.0	10.0	0.4	30.0
1,2-Dibromoethane	Ave	0.3777	0.3600		9.53	10.0	-4.7	30.0
Chlorobenzene	Ave	0.5619	0.5109		9.09	10.0	-9.1	30.0
Ethylbenzene	Ave	0.8721	0.7922		9.08	10.0	-9.2	30.0
n-Nonane	Ave	0.3087	0.2927		9.48	10.0	-5.2	30.0
m,p-Xylene	Ave	0.3499	0.3239		18.5	20.0	-7.4	30.0
Xylene, o-	Ave	0.3625	0.3371		9.30	10.0	-7.0	30.0
Styrene	Ave	0.4560	0.4328		9.49	10.0	-5.1	30.0
Bromoform	Ave	0.5020	0.5067		10.1	10.0	0.9	30.0
Cumene	Ave	1.074	1.017		9.47	10.0	-5.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4777	0.4245		8.89	10.0	-11.1	30.0
1,2,3-Trichloropropane	Ave	0.3523	0.3266		9.27	10.0	-7.3	30.0
n-Propylbenzene	Ave	1.079	1.015		9.41	10.0	-5.9	30.0
4-Ethyltoluene	Ave	0.9628	0.9391		9.75	10.0	-2.5	30.0
2-Chlorotoluene	Ave	0.8112	0.7647		9.42	10.0	-5.7	30.0
n-Decane	Ave	0.3581	0.3346		9.34	10.0	-6.6	30.0
1,3,5-Trimethylbenzene	Ave	0.8525	0.7942		9.31	10.0	-6.8	30.0
Alpha Methyl Styrene	Ave	0.3608	0.3602		9.98	10.0	-0.2	30.0
tert-Butylbenzene	Ave	0.8928	0.8481		9.50	10.0	-5.0	30.0
1,2,4-Trimethylbenzene	Ave	0.8058	0.7434		9.22	10.0	-7.7	30.0
sec-Butylbenzene	Ave	1.191	1.137		9.54	10.0	-4.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Lab Sample ID: ICV 200-43550/12 Calibration Date: 08/16/2012 04:52

Instrument ID: G.i Calib Start Date: 08/15/2012 20:58

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/16/2012 03:07

Lab File ID: ggr012.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.027	0.998		9.71	10.0	-2.9	30.0
1,3-Dichlorobenzene	Ave	0.5251	0.4772		9.09	10.0	-9.1	30.0
1,4-Dichlorobenzene	Ave	0.4734	0.4339		9.16	10.0	-8.4	30.0
Benzyl chloride	Ave	0.4931	0.4755		9.64	10.0	-3.6	30.0
n-Butylbenzene	Ave	0.7125	0.7049		9.89	10.0	-1.1	30.0
n-Undecane	Ave	0.3380	0.2916		8.63	10.0	-13.7	30.0
1,2-Dichlorobenzene	Ave	0.5217	0.4718		9.04	10.0	-9.6	30.0
n-Dodecane	Ave	0.2162	0.1915		8.86	10.0	-11.4	30.0
1,2,4-Trichlorobenzene	Ave	0.2158	0.1903		8.81	10.0	-11.8	30.0
Hexachlorobutadiene	Ave	0.4221	0.3830		9.07	10.0	-9.3	30.0
Naphthalene	Ave	0.4433	0.4015		9.06	10.0	-9.4	30.0
1,2,3-Trichlorobenzene	Ave	0.2012	0.2050		10.2	10.0	1.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Lab Sample ID: CCVIS 200-43867/2 Calibration Date: 08/22/2012 13:39

Instrument ID: G.i Calib Start Date: 08/15/2012 20:58

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/16/2012 03:07

Lab File ID: ggrg002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.4268	0.3734		8.75	10.0	-12.5	30.0
Dichlorodifluoromethane	Ave	2.793	2.488		8.91	10.0	-10.9	30.0
Freon 22	Ave	1.209	1.033		8.54	10.0	-14.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.586	2.246		8.68	10.0	-13.2	30.0
Chloromethane	Ave	0.5252	0.4325		8.23	10.0	-17.6	30.0
n-Butane	Ave	0.8704	0.7147		8.21	10.0	-17.9	30.0
Vinyl chloride	Ave	0.7494	0.5792		7.73	10.0	-22.7	30.0
1,3-Butadiene	Ave	0.4531	0.3713		8.19	10.0	-18.0	30.0
Bromomethane	Ave	0.9436	0.7986		8.46	10.0	-15.4	30.0
Chloroethane	Ave	0.3407	0.2809		8.24	10.0	-17.6	30.0
Isopentane	Ave	0.6736	0.5344		7.93	10.0	-20.7	30.0
Bromoethene(Vinyl Bromide)	Ave	0.9446	0.8362		8.85	10.0	-11.5	30.0
Trichlorofluoromethane	Ave	2.911	2.514		8.63	10.0	-13.6	30.0
n-Pentane	Ave	0.9458	0.7576		8.01	10.0	-19.9	30.0
Ethanol	Ave	0.1454	0.0736		7.60	15.0	-49.4*	30.0
Ethyl ether	Ave	0.4090	0.3552		8.68	10.0	-13.1	30.0
Acrolein	Ave	0.1992	0.1549		7.77	10.0	-22.3	30.0
Freon TF	Ave	1.911	1.621		8.48	10.0	-15.2	30.0
1,1-Dichloroethene	Ave	0.8143	0.6788		8.33	10.0	-16.6	30.0
Acetone	Ave	0.9008	0.8138		9.03	10.0	-9.7	30.0
Carbon disulfide	Ave	2.270	1.860		8.19	10.0	-18.1	30.0
Isopropyl alcohol	Ave	0.6326	0.4454		7.04	10.0	-29.6	30.0
3-Chloropropene	Ave	0.7515	0.5511		7.33	10.0	-26.7	30.0
Acetonitrile	Ave	0.3044	0.3041		9.99	10.0	-0.1	30.0
Methylene Chloride	Ave	0.7282	0.5652		7.76	10.0	-22.4	30.0
tert-Butyl alcohol	Ave	1.200	1.051		8.76	10.0	-12.4	30.0
Methyl tert-butyl ether	Ave	2.169	1.873		8.64	10.0	-13.6	30.0
trans-1,2-Dichloroethene	Ave	1.136	0.9302		8.19	10.0	-18.1	30.0
Acrylonitrile	Ave	0.3556	0.2980		8.38	10.0	-16.2	30.0
n-Hexane	Ave	0.9424	0.7702		8.17	10.0	-18.3	30.0
1,1-Dichloroethane	Ave	1.395	1.155		8.28	10.0	-17.2	30.0
Vinyl acetate	Ave	1.295	1.063		8.21	10.0	-17.9	30.0
cis-1,2-Dichloroethene	Ave	0.9221	0.8018		8.69	10.0	-13.0	30.0
Methyl Ethyl Ketone	Ave	0.2693	0.2294		8.52	10.0	-14.8	30.0
Ethyl acetate	Ave	0.0474	0.0418		8.82	10.0	-11.8	30.0
Tetrahydrofuran	Ave	0.1324	0.1025		7.74	10.0	-22.6	30.0
Chloroform	Ave	1.935	1.743		9.01	10.0	-9.9	30.0
1,1,1-Trichloroethane	Ave	0.5799	0.5044		8.70	10.0	-13.0	30.0
Cyclohexane	Ave	0.2511	0.2152		8.57	10.0	-14.3	30.0
Carbon tetrachloride	Ave	0.6625	0.5824		8.79	10.0	-12.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Lab Sample ID: CCVIS 200-43867/2 Calibration Date: 08/22/2012 13:39

Instrument ID: G.i Calib Start Date: 08/15/2012 20:58

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/16/2012 03:07

Lab File ID: ggrg002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzene	Ave	0.5424	0.4652		8.57	10.0	-14.2	30.0
2,2,4-Trimethylpentane	Ave	0.7417	0.6007		8.10	10.0	-19.0	30.0
1,2-Dichloroethane	Ave	0.3120	0.2687		8.61	10.0	-13.9	30.0
n-Heptane	Ave	0.2447	0.1932		7.89	10.0	-21.1	30.0
n-Butanol	Ave	0.0616	0.0396		6.42	10.0	-35.7*	30.0
Trichloroethene	Ave	0.3162	0.2641		8.35	10.0	-16.5	30.0
1,2-Dichloropropane	Ave	0.1691	0.1419		8.39	10.0	-16.1	30.0
Methyl methacrylate	Ave	0.1373	0.1131		8.24	10.0	-17.6	30.0
1,4-Dioxane	Ave	0.0724	0.0567		7.83	10.0	-21.7	30.0
Dibromomethane	Ave	0.3295	0.3132		9.50	10.0	-5.0	30.0
Bromodichloromethane	Ave	0.4860	0.4323		8.89	10.0	-11.0	30.0
cis-1,3-Dichloropropene	Ave	0.2771	0.2363		8.53	10.0	-14.7	30.0
methyl isobutyl ketone	Ave	0.2827	0.2272		8.04	10.0	-19.6	30.0
Toluene	Ave	0.4128	0.3809		9.23	10.0	-7.7	30.0
n-Octane	Ave	0.3158	0.2480		7.85	10.0	-21.5	30.0
trans-1,3-Dichloropropene	Ave	0.2746	0.2367		8.62	10.0	-13.8	30.0
1,1,2-Trichloroethane	Ave	0.1985	0.1796		9.05	10.0	-9.5	30.0
Tetrachloroethene	Ave	0.4877	0.4663		9.56	10.0	-4.4	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2770	0.2295		8.28	10.0	-17.1	30.0
Dibromochloromethane	Ave	0.5426	0.5334		9.83	10.0	-1.7	30.0
1,2-Dibromoethane	Ave	0.3777	0.3621		9.59	10.0	-4.1	30.0
Chlorobenzene	Ave	0.5619	0.5126		9.12	10.0	-8.8	30.0
Ethylbenzene	Ave	0.8721	0.7786		8.93	10.0	-10.7	30.0
n-Nonane	Ave	0.3087	0.2660		8.61	10.0	-13.8	30.0
m,p-Xylene	Ave	0.3499	0.3205		18.3	20.0	-8.4	30.0
Xylene, o-	Ave	0.3625	0.3454		9.53	10.0	-4.7	30.0
Styrene	Ave	0.4560	0.4302		9.43	10.0	-5.7	30.0
Bromoform	Ave	0.5020	0.5210		10.4	10.0	3.8	30.0
Cumene	Ave	1.074	1.025		9.55	10.0	-4.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.4777	0.4396		9.20	10.0	-8.0	30.0
1,2,3-Trichloropropane	Ave	0.3523	0.3212		9.11	10.0	-8.8	30.0
n-Propylbenzene	Ave	1.079	1.005		9.32	10.0	-6.8	30.0
4-Ethyltoluene	Ave	0.9628	0.9273		9.63	10.0	-3.7	30.0
2-Chlorotoluene	Ave	0.8112	0.7447		9.18	10.0	-8.2	30.0
n-Decane	Ave	0.3581	0.3105		8.67	10.0	-13.3	30.0
1,3,5-Trimethylbenzene	Ave	0.8525	0.8244		9.67	10.0	-3.3	30.0
Alpha Methyl Styrene	Ave	0.3608	0.3676		10.2	10.0	1.9	30.0
tert-Butylbenzene	Ave	0.8928	0.8821		9.88	10.0	-1.2	30.0
1,2,4-Trimethylbenzene	Ave	0.8058	0.7825		9.71	10.0	-2.9	30.0
sec-Butylbenzene	Ave	1.191	1.159		9.73	10.0	-2.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Lab Sample ID: CCVIS 200-43867/2 Calibration Date: 08/22/2012 13:39

Instrument ID: G.i Calib Start Date: 08/15/2012 20:58

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 08/16/2012 03:07

Lab File ID: ggrg002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.027	1.031		10.0	10.0	0.4	30.0
1,3-Dichlorobenzene	Ave	0.5251	0.5082		9.68	10.0	-3.2	30.0
1,4-Dichlorobenzene	Ave	0.4734	0.4572		9.66	10.0	-3.4	30.0
Benzyl chloride	Ave	0.4931	0.4005		8.12	10.0	-18.8	30.0
n-Butylbenzene	Ave	0.7125	0.6873		9.64	10.0	-3.5	30.0
n-Undecane	Ave	0.3380	0.2659		7.86	10.0	-21.3	30.0
1,2-Dichlorobenzene	Ave	0.5217	0.5244		10.1	10.0	0.5	30.0
n-Dodecane	Ave	0.2162	0.1703		7.88	10.0	-21.2	30.0
1,2,4-Trichlorobenzene	Ave	0.2158	0.1973		9.14	10.0	-8.6	30.0
Hexachlorobutadiene	Ave	0.4221	0.4570		10.8	10.0	8.3	30.0
Naphthalene	Ave	0.4433	0.3817		8.61	10.0	-13.9	30.0
1,2,3-Trichlorobenzene	Ave	0.2012	0.2065		10.3	10.0	2.7	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Instrument ID: G.i Start Date: 08/15/2012 17:30

Analysis Batch Number: 43550 End Date: 08/16/2012 14:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-43550/1		08/15/2012 17:30	1	ggr001.d	RTX-624 0.32(mm)
VIBLK 200-43550/2		08/15/2012 20:06	1		RTX-624 0.32(mm)
IC 200-43550/3		08/15/2012 20:58	1	ggr003.d	RTX-624 0.32(mm)
IC 200-43550/4		08/15/2012 21:51	1	ggr004.d	RTX-624 0.32(mm)
IC 200-43550/5		08/15/2012 22:43	1	ggr005.d	RTX-624 0.32(mm)
IC 200-43550/6		08/15/2012 23:36	1	ggr006.d	RTX-624 0.32(mm)
ICIS 200-43550/7		08/16/2012 00:28	1	ggr007.d	RTX-624 0.32(mm)
IC 200-43550/8		08/16/2012 01:21	1	ggr008.d	RTX-624 0.32(mm)
IC 200-43550/9		08/16/2012 02:14	1	ggr009.d	RTX-624 0.32(mm)
IC 200-43550/10		08/16/2012 03:07	1	ggr010.d	RTX-624 0.32(mm)
VIBLK 200-43550/11		08/16/2012 03:59	1		RTX-624 0.32(mm)
ICV 200-43550/12		08/16/2012 04:52	1	ggr012.d	RTX-624 0.32(mm)
ZZZZZ		08/16/2012 05:46	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 06:39	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 07:32	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 08:24	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 09:17	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 10:12	0.2		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 11:08	0.2		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 12:03	0.2		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 12:56	0.4		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 13:48	0.4		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 14:41	0.4		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-12264-1

SDG No.:

Instrument ID: G.i Start Date: 08/17/2012 14:40

Analysis Batch Number: 43638 End Date: 08/18/2012 14:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-43638/1		08/17/2012 14:40	1	ggrb001.d	RTX-624 0.32(mm)
CCVIS 200-43638/2		08/17/2012 15:31	1	ggrb002.d	RTX-624 0.32(mm)
LCS 200-43638/3		08/17/2012 16:23	1	ggrb003.d	RTX-624 0.32(mm)
MB 200-43638/4		08/17/2012 17:14	1	ggrb004.d	RTX-624 0.32(mm)
200-12264-4	3464	08/17/2012 18:09	0.2	ggrb005.d	RTX-624 0.32(mm)
ZZZZZ		08/17/2012 19:05	0.2		RTX-624 0.32(mm)
ZZZZZ		08/17/2012 20:00	0.2		RTX-624 0.32(mm)
ZZZZZ		08/17/2012 20:53	1		RTX-624 0.32(mm)
ZZZZZ		08/17/2012 21:46	1		RTX-624 0.32(mm)
ZZZZZ		08/17/2012 22:39	1		RTX-624 0.32(mm)
ZZZZZ		08/17/2012 23:31	1		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 00:27	0.2		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 01:22	0.2		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 02:18	0.2		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 03:15	0.2		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 04:10	0.2		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 05:06	0.2		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 05:58	1		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 06:51	1		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 07:44	1		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 08:37	1		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 09:33	0.2		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 10:28	0.2		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 11:24	0.2		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 12:19	0.2		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 13:15	0.2		RTX-624 0.32(mm)
ZZZZZ		08/18/2012 14:11	0.2		RTX-624 0.32(mm)

THLS Batch# 43550

GC/MS Air Instrument Run Log

Sequence			Standard Traceability	Instrument Information
Target Batch ID: 6YP	Start Date: 8/15/12	Time: 1730	ISTD Container ID: 248062	Instrument ID: G 383K
Test Method: TO15	End Date: 8/16/12	Time: 1730	CCV Container ID: See comments	Instrument: 5973
ICAL Date: 8/15/12			ICV/LCS Container ID: See comments	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

William Dostardine WMD

Sequence Information / Individual Sample Review

Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
1730	GC8001	NA	BFB	NA	NA	NA	WMD	NA	✓	WMD	ok
2006	02	4632	vblk		1	200					
2058	03	3142	IC level 8		2	40			✓		376613
2151	04	3142	IC level 1		2	200			✓		1
2243	05	3611	IC level 2		3				✓		376703
2336	06	3635	IC level 3		4				✓		376619 Curve good
0028	07	2403	IC level 4		5				✓		376612 for all TM N
0121	08	3659	IC level 5		6				✓		376603
0214	09	4943	IC level 6		7				✓		376601
0307	10	3649	IC level 7		8				✓		376600
0359	11	4632	vblk		1						
0452	12	2571	ICV		9			✓	✓		376620 ~~[illegible]~~ AG
0546	13	2571	LCS		9	200	AHK	✓	✓		376622 AG
0639	14	4632	MB		1			✓	✓		
0732	15	4670	12230-05		10	200		✓	✓		
0824	16	A 68140	12226-03		11	200		✓	✓		
0917	17	A 69770	12224-08		12	200		✓	✓		
1012	18	4913	12170-02	0.2	13	1000		✓	✓		
1108	19	4603	12138-02	0.2	14	1000		✓	✓		
1203	20	3504	12219-11	0.2	15	1000		✓	✓		
1256	21	3674	12242-06	0.4	16	500		✓	✓		
1348	22	3818	12241-08	0.4	2	500		✓	✓	✓	
1441	23	4252	12255-6	0.4	1	500	WMD	✓	✓	AHK	
	24										
	25										
	26										
	27										

AHK 8/16/12

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

TALS #436058

GC/MS Air Instrument Run Log

Sequence			Standard Traceability	Instrument Information
Target Batch ID: 66RB	Start Date: 3/17/12	Time: 1440	ISTD Container ID: 2458602	Instrument ID: G 3973
Test Method: TO15	End Date: 3/18/12	Time: 1440	CCV Container ID: 371068	Instrument: 5973
ICAL Date: 3/15/12			ICV/LCS Container ID: 370620	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Angela H. Kearns
Angela H. Kearns AHK

Sequence Information								Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
1440	66RB 01	NA	BFB	NA	NA	NA	(UNI)	NA	✓	AHK	ok
1531	02	2603	CCVFS	NA	1	200		NA	✓	AHK	AG
1623	03	2571	LCS	NA	2	200		✓	✓		AG
1714	04	4634	MB	NA	3	200		✓	✓		ok
1804	05	3464	12264-04	0.2	4	1000	AHK	✓	✓		C
1905	06	3835	12263-12	0.2	5	1000		✓	✓		C
2000	07	4075	12265-11	0.2	6	1000		✓	✓		C
2053	08	4564	12209-01	1	7	200		✓	✓		C
2146	09	3975	-02	1	8	200		✓	✓		C
2239	10	4369	-03	1	9	200		✓	✓		C
2331	11	4305	-04	1	10	200		✓	✓		C
0024	12	5512	12210-01	0.2	11	1000		✓	✓		C
0122	13	5103	-02	0.2	12			✓	↑		MeCl2 ↑
0218	14	3349	-03	0.2	13			✓	✓		C
0315	15	4824	-04	0.2	14			✓	✓		C
0410	16	4376	-05	0.2	15			✓	✓		C
0506	17	4118	-06	0.2	16			✓	✓		C
0558	18	3258	12209-05	1	1	200		✓	✓		C
0651	19	3402	-06	1	2			✓	✓		C
0744	20	2508	-07	1	3			✓	✓		C
0837	21	2738	-08	1	4			✓	✓		C
0933	22	2712	12210-02	0.2	5	1000		✓	✓		C
1028	23	4361	-08		6			✓	✓		C
1124	24	~~2712~~ 5132	-09		7			✓	✓		C
1219	25	~~4361~~ 4066	-10		8			✓	↑		several hits <RL
1315	26	4129	-11		9			✓	✓		C
1411	27	4929	-12		10			✓	✓		C

AHK 3/18/12

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

TALS Batch# 43550

GC/MS Air Instrument Run Log

Sequence			Standard Traceability	Instrument Information
Target Batch ID: 66P	Start Date: 8/15/12	Time: 1730	ISTD Container ID: 246062	Instrument ID: G 383K
Test Method: T015	End Date: 8/16/12	Time: 1730	CCV Container ID: See comments	Instrument: 5973
ICAL Date: 8/15/12			ICV/LCS Container ID: See comments	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

William Dostardis WMD
[illegible]

Sequence Information								Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
1730	GGR001	NA	BFB	NA	NA	NA	WMD	NA	✓	WMD	ok
2006	02	4632	vblk	1	1	200					
2058	03	3142	IC level 8		2	40			✓		376683
2151	04	3142	IC level 1		2	200			✓		
2243	05	3611	IC level 2		3				✓		376703
2336	06	3639	IC level 3		4				✓		370619 iCurve good
0028	07	2603	IC level 4		5				✓		370618 for all TM+N
0121	08	3055	IC level 5		6				✓		370603
0214	09	4943	IC level 6		7				✓		370601
0307	10	3649	IC level 7		8				✓		370600
0359	11	4632	vblk		1						
0452	12	2571	ICV		9				✓	✓	370620 ~~[illegible]~~ AG-
0546	13	2571	LCS		9	200	AHK		✓	✓	370620 AG
0639	14	4632	MB		1				✓	✓	
0732	15	4670	12230-05		10	200			✓	✓	
0824	16	A68140	12226-03		11	200			✓	✓	
0917	17	A69770	12224-08		12	200			✓	✓	
1012	18	4913	12170-02	0.2	13	1000			✓	✓	
1108	19	4603	12138-02	0.2	14	1000			✓	✓	
1203	20	3004	12219-11	0.2	15	1000			✓	✓	
1256	21	3674	12242-06	0.4	16	500			✓	✓	
1348	22	3818	12241-05	0.4	2	500			✓	✓	
1441	23	4252	12255-6	0.4	1	500	WMD		✓	✓	AHK
	24										
	25										
	~~26~~										
	~~27~~										
											AHK 8/16/12

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

43867

GC/MS Air Instrument Run Log

Sequence			Standard Traceability	Instrument Information
Target Batch ID: GGRG	Start Date: 8/22/12	Time: 1244	ISTD Container ID: 2480022	Instrument ID: G
Test Method: TO15	End Date: 8/23/12	Time: 1244	CCV Container ID: 380698	Instrument: 5973
ICAL Date: 8/15/12			ICV/LCS Container ID: 370623	Column Type: RTX-624

Analyst / Supervisor Signature(s): *Insert signature when specified as project requirement. Otherwise leave this section blank.*

Sequence Information								Individual Sample Review			
Injection Time	GC/MS File Name	Summa Can ID	TALS Sample ID	Dilution Factor	Inlet #	Volume (mL)	Operator	Internal Std.	Result Conc.	Primary Anal.	Comments
1244	GGRG 001	N/A	BFB	N/A			PAD	N/A	✓	PAD	
1339	002	2573	CCVIS		1	200		✓	✓		AG-74
1432	003	3088	LCS		2	200		✓	✓		AG-74
1525	004	4634	MB		3	200		✓	✓		
1619	005	4447	42170-01	69.4	4	47		✓	✓		cdf 16.31 C
1711	006	4069	-02	249	5	54		✓	✓		67.33 C
1804	007	4081	-03	325	6	34		✓	✓		55.19 C
1857	008	3272	-04	268	7	43		✓	✓		57.58 C
1949	009	3542	-05	99.6	8	32		✓	✓		15.93 C
2042	010	2568	-06	230	9	49		✓	✓		56.28 C
2135	011	3205	-07	298	10	35		✓	✓		52.14 C
2227	012	2700	-08	10	11	20		✓	✓		C
2320	013	3502	-09	4	12	50		✓	✓		C
0013	014	4717	-10	6.9	13	29		✓	✓		C
0105	015	4820	-11	15.1	14	60		✓	✓		cdf 4.52 C
0158	016	3086	-12	10	15	20		✓	✓		C
0251	017	bag	12354-01	10	16	20	AHK	✓	✓		↑ TICs NCM C
0344	018	bag	-02	2	1	150		✓	✓		↑ TICs NCM C
0437	019	bag	12356-01	1	2	200		✓	✓		C
0529	020	4823	12302-01	1	3	200		✓	✓		C
0622	021	3477	-02	1	4	200		✓	✓		C
0715	022	5060	-03	1	5	200		✓	✓		C
0808	023	4660	12214-01	60.51	6	200		✓	↑		CDF 60.501 AHK 8/22/12 R
0901	024	4082	12216-01 AHK 8/22/12	205	7	59		✓	✓		CDF 60.51 C
0954	025	4082	14-01 12216-03	56.95	7	200		✓	↑		CDF 56.95 R
1047	026	4082	12216-02	300	7	38		✓	✓		CDF 56.95 C
1143	027	4561	12333-02	0.2	8	1000	PAD	✓	✓		
1239	028	4452	12332-07	0.2	9	1000		✓	✓		
					PAD	8/23/12					

Legend: C=Complete • R=Reanalyze • ↑ = High • ↓= Low • ✓=Reviewed and Acceptable

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Instrument ID: G.i Start Date: 08/15/2012 17:30

Analysis Batch Number: 43550 End Date: 08/16/2012 14:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-43550/1		08/15/2012 17:30	1	ggr001.d	RTX-624 0.32(mm)
VIBLK 200-43550/2		08/15/2012 20:06	1		RTX-624 0.32(mm)
IC 200-43550/3		08/15/2012 20:58	1	ggr003.d	RTX-624 0.32(mm)
IC 200-43550/4		08/15/2012 21:51	1	ggr004.d	RTX-624 0.32(mm)
IC 200-43550/5		08/15/2012 22:43	1	ggr005.d	RTX-624 0.32(mm)
IC 200-43550/6		08/15/2012 23:36	1	ggr006.d	RTX-624 0.32(mm)
ICIS 200-43550/7		08/16/2012 00:28	1	ggr007.d	RTX-624 0.32(mm)
IC 200-43550/8		08/16/2012 01:21	1	ggr008.d	RTX-624 0.32(mm)
IC 200-43550/9		08/16/2012 02:14	1	ggr009.d	RTX-624 0.32(mm)
IC 200-43550/10		08/16/2012 03:07	1	ggr010.d	RTX-624 0.32(mm)
VIBLK 200-43550/11		08/16/2012 03:59	1		RTX-624 0.32(mm)
ICV 200-43550/12		08/16/2012 04:52	1	ggr012.d	RTX-624 0.32(mm)
ZZZZZ		08/16/2012 05:46	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 06:39	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 07:32	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 08:24	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 09:17	1		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 10:12	0.2		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 11:08	0.2		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 12:03	0.2		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 12:56	0.4		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 13:48	0.4		RTX-624 0.32(mm)
ZZZZZ		08/16/2012 14:41	0.4		RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 200-12332-1

SDG No.:

Instrument ID: G.i Start Date: 08/22/2012 12:44

Analysis Batch Number: 43867 End Date: 08/23/2012 12:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-43867/1		08/22/2012 12:44	1	ggrg001.d	RTX-624 0.32(mm)
CCVIS 200-43867/2		08/22/2012 13:39	1	ggrg002.d	RTX-624 0.32(mm)
LCS 200-43867/3		08/22/2012 14:32	1	ggrg003.d	RTX-624 0.32(mm)
MB 200-43867/4		08/22/2012 15:25	1	ggrg004.d	RTX-624 0.32(mm)
ZZZZZ		08/22/2012 16:19	69.4		RTX-624 0.32(mm)
ZZZZZ		08/22/2012 17:11	249		RTX-624 0.32(mm)
ZZZZZ		08/22/2012 18:04	325		RTX-624 0.32(mm)
ZZZZZ		08/22/2012 18:57	268		RTX-624 0.32(mm)
ZZZZZ		08/22/2012 19:49	99.6		RTX-624 0.32(mm)
ZZZZZ		08/22/2012 20:42	230		RTX-624 0.32(mm)
ZZZZZ		08/22/2012 21:35	298		RTX-624 0.32(mm)
ZZZZZ		08/22/2012 22:27	10		RTX-624 0.32(mm)
ZZZZZ		08/22/2012 23:20	4		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 00:13	6.9		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 01:05	15.1		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 01:58	10		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 02:51	10		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 03:44	2		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 04:37	1		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 05:29	1		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 06:22	1		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 07:15	1		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 08:08	60.5		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 09:01	205		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 09:54	57		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 10:47	300		RTX-624 0.32(mm)
ZZZZZ		08/23/2012 11:43	0.2		RTX-624 0.32(mm)
200-12332-7	4452	08/23/2012 12:39	0.2	ggrg028.d	RTX-624 0.32(mm)

Shipping and Receiving Documents

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: MARIA DRAMOS	Samples Collected By: M DRAMOS	1 of 2 COCs
Company: ROUX ASSOCIATES	Phone: 516-503 3494		
Address: 209 SHAFTER ST	Email: MDRAMOS@ROUXINC.COM		
City/State/Zip ISLANDIA NY 11749			
Phone: 631 232 2600	Site Contact:		
FAX:	TA Contact:		
Project Name: 551 W 21ST ST	**Analysis Turnaround Time**		
Site:	Standard (Specify) ✓		
PO # 2127.0000.0006	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV-1	8-24-12	0900	1700	-29	-1	4331	2925	X									X		
SV-2	8-24-12	0926	1700	-30	-1	3753	4874	X									X		
~~SV-3~~ (MW)	~~8-24-12~~ (MW)																X		

Temperature (Fahrenheit)	Interior	Ambient
Start		78°F
Stop		89°F

Pressure (inches of Hg)	Interior	Ambient
Start		29.88 in
Stop		29.81 in

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time: ~~08-28-12~~ 08-29-12	Samples Received by:	8/29/12 @ 1:27
Samples Relinquished by:	Date/Time: 8/29/12 @ 13:55	Received by: Steph Fonchin	8/30/12 TA-BUR 0905
Relinquished by:	Date/Time:	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: Ma Ma Drakos	Samples Collected By: EL	2 of 2 COCs
Company: Roux Associates	Phone:		
Address: 209 Shafter ST.	Email: mdrakos@roux-inc.com		
City/State/Zip Islandia, NY 11749			
Phone: 631-232-7600	Site Contact:		
FAX: 631-232-9898	TA Contact:		
Project Name: 551 W. 21ST ST.	Analysis Turnaround Time		
Site: Manhattan, NY	Standard (Specify) ✓		
PO # 2127.000YOOX	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
SV-3	8/28/12	0640	1425	-31	-6	2811	2708	X									X		

Temperature (Fahrenheit)	Interior	Ambient
Start		76°F
Stop		87°F

Pressure (inches of Hg)	Interior	Ambient
Start		29.89in
Stop		29.82in

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	Date/Time: 08-29-12	Samples Received by:	8/29/12 @ 11:27
Samples Relinquished by:	Date/Time: 8/29/12 @ 13:55	Received by:	8/30/12 0905
Relinquished by:	Date/Time:	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

From: (646) 745-0906
TestAmerica NYC

47-32 32nd Place,
Suite 1141
Long Island City, NY 11101

Origin ID: AIVA

FedEx Express

J12201207160325

Ship Date: 29AUG12
ActWgt: 37.0 LB
CAD: 101905570/INET3300

Dims: 20 X 20 X 17 IN

Delivery Address Bar Code

Ref #
Invoice #
PO #
Dept #

SHIP TO: (802) 660-1990

BILL RECIPIENT

Sampling Reciveing BVT
TestAmerica
30 COMMUNITY DR STE 11

SOUTH BURLINGTON, VT 05403

THU - 30 AUG A4
PRIORITY OVERNIGHT

TRK# 0201 7988 5158 2851

ZF BTVA

05403
VT-US
BTV

515G2/0C34/AA44

Login Sample Receipt Checklist

Client: Roux Associates, Inc.

Job Number: 200-12536-1
SDG Number: 200-12536-1

Login Number: 12536
List Number: 1
Creator: Marion, Greg T

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	AMBIENT
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.01 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1015
MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 130		12/17/04	125	EPA8260
Bromomethane	ug/Kg	< 130		12/17/04	125	EPA8260
Vinyl Chloride	ug/Kg	< 130		12/17/04	125	EPA8260
Chloroethane	ug/Kg	< 130		12/17/04	125	EPA8260
Methylene Chloride	ug/Kg	< 130		12/17/04	125	EPA8260
Acetone	ug/Kg	< 1300		12/17/04	1250	EPA8260
Carbon disulfide	ug/Kg	< 130		12/17/04	125	EPA8260
1,1 Dichloroethene	ug/Kg	< 130		12/17/04	125	EPA8260
1,1 Dichloroethane	ug/Kg	< 130		12/17/04	125	EPA8260
1,2 Dichloroethene	ug/Kg	< 250		12/17/04	250	EPA8260
Chloroform	ug/Kg	< 130		12/17/04	125	EPA8260
1,2 Dichloroethane	ug/Kg	< 130		12/17/04	125	EPA8260
2-Butanone	ug/Kg	< 1300		12/17/04	1250	EPA8260
111 Trichloroethane	ug/Kg	< 130		12/17/04	125	EPA8260
Carbon Tetrachloride	ug/Kg	< 130		12/17/04	125	EPA8260
Bromodichloromethane	ug/Kg	< 130		12/17/04	125	EPA8260
1,2 Dichloropropane	ug/Kg	< 130		12/17/04	125	EPA8260
c-1,3Dichloropropene	ug/Kg	< 130		12/17/04	125	EPA8260
Trichloroethene	ug/Kg	< 130		12/17/04	125	EPA8260
Chlorodibromomethane	ug/Kg	< 130		12/17/04	125	EPA8260
112 Trichloroethane	ug/Kg	< 130		12/17/04	125	EPA8260
Benzene	ug/Kg	< 130		12/17/04	125	EPA8260
t-1,3Dichloropropene	ug/Kg	< 130		12/17/04	125	EPA8260
Bromoform	ug/Kg	< 130		12/17/04	125	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 1300		12/17/04	1250	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.01 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1015
MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 1300		12/17/04	1250	EPA8260
Tetrachloroethene	ug/Kg	< 130		12/17/04	125	EPA8260
Toluene	ug/Kg	< 130		12/17/04	125	EPA8260
1122Tetrachloroethane	ug/Kg	< 130		12/17/04	125	EPA8260
Chlorobenzene	ug/Kg	< 130		12/17/04	125	EPA8260
Ethyl Benzene	ug/Kg	< 130		12/17/04	125	EPA8260
Styrene	ug/Kg	< 130		12/17/04	125	EPA8260
o Xylene	ug/Kg	< 130		12/17/04	125	EPA8260
m + p Xylene	ug/Kg	< 250		12/17/04	250	EPA8260
Xylene	ug/Kg	< 380		12/17/04	375	EPA8260
% Solids		80		12/13/04	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS: Elevated detection level due to method analyte interference in sample.

DIRECTOR

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MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 190		12/16/04	187.5	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 190		12/16/04	187.5	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 190		12/16/04	187.5	EPA8270
Carbazole	ug/Kg	7000		12/16/04	375	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 190		12/16/04	187.5	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 190		12/16/04	187.5	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 190		12/16/04	187.5	EPA8270
Hexachloroethane	ug/Kg	< 190		12/16/04	187.5	EPA8270
Nitrobenzene	ug/Kg	< 190		12/16/04	187.5	EPA8270
Isophorone	ug/Kg	< 190		12/16/04	187.5	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 190		12/16/04	187.5	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 190		12/16/04	187.5	EPA8270
Naphthalene(sv)	ug/Kg	13000		12/16/04	3750	EPA8270
4-Chloroaniline	ug/Kg	< 190		12/16/04	187.5	EPA8270
Hexachlorobutadiene	ug/Kg	< 190		12/16/04	187.5	EPA8270
2-Methylnaphthalene	ug/Kg	5600		12/16/04	3750	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 1900		12/16/04	1875	EPA8270
2-Chloronaphthalene	ug/Kg	< 190		12/16/04	187.5	EPA8270
2-Nitroaniline	ug/Kg	< 190		12/16/04	187.5	EPA8270
Dimethyl Phthalate	ug/Kg	< 190		12/16/04	187.5	EPA8270
Acenaphthylene	ug/Kg	7900		12/16/04	3750	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 190		12/16/04	187.5	EPA8270
3-Nitroaniline	ug/Kg	< 190		12/16/04	187.5	EPA8270
Acenaphthene	ug/Kg	36000		12/16/04	3750	EPA8270
Dibenzofuran	ug/Kg	33000		12/16/04	3750	EPA8270

cc:

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REMARKS:

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631 422-5777

LAB NO.245249.01 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1015
MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 190		12/16/04	187.5	EPA8270
Diethyl Phthalate	ug/Kg	< 190		12/16/04	187.5	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 190		12/16/04	187.5	EPA8270
Fluorene	ug/Kg	43000		12/16/04	3750	EPA8270
4-Nitroaniline	ug/Kg	< 190		12/16/04	187.5	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 190		12/16/04	187.5	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 190		12/16/04	187.5	EPA8270
Hexachlorobenzene	ug/Kg	< 190		12/16/04	187.5	EPA8270
Phenanthrene	ug/Kg	125000		12/16/04	3750	EPA8270
Anthracene	ug/Kg	56000		12/16/04	3750	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 190		12/16/04	187.5	EPA8270
Fluoranthene	ug/Kg	65000		12/16/04	3750	EPA8270
Pyrene	ug/Kg	65000		12/16/04	3750	EPA8270
BenzylButylPhthalate	ug/Kg	< 190		12/16/04	187.5	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 38000		12/16/04	37500	EPA8270
Benzo(a)anthracene	ug/Kg	31000		12/16/04	3750	EPA8270

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TIME COL'D:1015
MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	28000		12/16/04	3750	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 3800		12/16/04	3750	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 3800		12/16/04	3750	EPA8270
Benzo(b)fluoranthene	ug/Kg	15000	#	12/16/04	3750	EPA8270
Benzo(k)fluoranthene	ug/Kg	15000	#	12/16/04	3750	EPA8270
Benzo(a)pyrene	ug/Kg	21000		12/16/04	3750	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	4600		12/16/04	3750	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 3800		12/16/04	3750	EPA8270
Benzo(ghi)perylene	ug/Kg	4800		12/16/04	3750	EPA8270

cc:

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REMARKS: #Total = 30000 ug/Kg, unable to separate isomers.

DIRECTOR

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TIME COL'D:1015
MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	460		12/16/04	187.5	EPA8270
2-Chlorophenol	ug/Kg	< 190		12/16/04	187.5	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 190		12/16/04	187.5	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	1400	*	12/16/04	187.5	EPA8270
2-Nitrophenol	ug/Kg	< 190		12/16/04	187.5	EPA8270
2,4-Dimethylphenol	ug/Kg	950		12/16/04	187.5	EPA8270
2,4-Dichlorophenol	ug/Kg	< 190		12/16/04	187.5	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 190		12/16/04	187.5	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 190		12/16/04	187.5	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 190		12/16/04	187.5	EPA8270
2,4-Dinitrophenol	ug/Kg	< 1900		12/16/04	1875	EPA8270
4-Nitrophenol	ug/Kg	< 1900		12/16/04	1875	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 1900		12/16/04	1875	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 1900		12/16/04	1875	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: *Total for 3 & 4 methylphenol, unable to separate isomers.

DIRECTOR

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TIME COL'D:1015
MATRIX:Soil SAMPLE: SB-1/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	5500		12/15/04	1.25	EPA6010
Antimony as Sb	mg/Kg	< 1.3		12/15/04	1.25	EPA6010
Arsenic as As	mg/Kg	9.1		12/15/04	1.25	EPA6010
Barium as Ba	mg/Kg	150		12/17/04	3.125	EPA6010
Beryllium as Be	mg/Kg	0.35		12/15/04	0.125	EPA6010
Cadmium as Cd	mg/Kg	1.1		12/15/04	0.625	EPA6010
Calcium as Ca	mg/Kg	30000		12/17/04	125	EPA6010
Chromium as Cr	mg/Kg	11		12/15/04	0.625	EPA6010
Cobalt as Co	mg/Kg	6.1		12/15/04	0.625	EPA6010
Copper as Cu	mg/Kg	36		12/15/04	1.25	EPA6010
Iron as Fe	mg/Kg	16000		12/17/04	6.25	EPA6010
Lead as Pb	mg/Kg	350		12/15/04	0.625	EPA6010
Magnesium as Mg	mg/Kg	2300		12/15/04	0.625	EPA6010
Manganese as Mn	mg/Kg	240		12/15/04	1.25	EPA6010
Mercury as Hg	mg/Kg	0.4		12/21/04	0.025	EPA7470A
Nickel as Ni	mg/Kg	14		12/15/04	1.25	EPA6010
Potassium as K	mg/Kg	1300		12/15/04	125	EPA6010
Selenium as Se	mg/Kg	1.5		12/17/04	0.5	EPA7740
Silver as Ag	mg/Kg	< 0.63		12/15/04	0.625	EPA6010
Sodium as Na	mg/Kg	1200		12/15/04	125	EPA6010
Thallium as Tl	mg/Kg	< 0.5		12/20/04	0.5	EPA7841
Vanadium as V	mg/Kg	15		12/15/04	0.625	EPA6010
Zinc as Zn	mg/Kg	95		12/15/04	1.25	EPA6010

cc:

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REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.02 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1020
MATRIX:Soil SAMPLE: SB-1/5-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Bromomethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Vinyl Chloride	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Chloroethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Methylene Chloride	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Acetone	ug/Kg	< 64		12/13/04	64.102	EPA8260
Carbon disulfide	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
1,2 Dichloroethene	ug/Kg	< 13		12/13/04	12.820	EPA8260
Chloroform	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
2-Butanone	ug/Kg	< 64		12/13/04	64.102	EPA8260
111 Trichloroethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Bromodichloromethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Trichloroethene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Chlorodibromomethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
112 Trichloroethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Benzene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
t-1,3Dichloropropene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Bromoform	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 64		12/13/04	64.102	EPA8260

cc:

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REMARKS:

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LAB NO.245249.02 12/22/04

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ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1020
MATRIX:Soil SAMPLE: SB-1/5-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 64		12/13/04	64.102	EPA8260
Tetrachloroethene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Toluene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Chlorobenzene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Ethyl Benzene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
Styrene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
o Xylene	ug/Kg	< 6.4		12/13/04	6.4102	EPA8260
m + p Xylene	ug/Kg	< 13		12/13/04	12.820	EPA8260
Xylene	ug/Kg	< 19		12/13/04	19.230	EPA8260
% Solids		78		12/13/04	0.1	SM182540G

cc:

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Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Carbazole	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachloroethane	ug/Kg	< 38		12/15/04	38.461	EPA8270
Nitrobenzene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Isophorone	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 38		12/15/04	38.461	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Naphthalene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chloroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorobutadiene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Methylnaphthalene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 380		12/15/04	384.61	EPA8270
2-Chloronaphthalene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dimethyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Acenaphthylene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 38		12/15/04	38.461	EPA8270
3-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Acenaphthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dibenzofuran	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.02 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1020
MATRIX:Soil SAMPLE: SB-1/5-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Diethyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
Fluorene	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorobenzene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Phenanthrene	ug/Kg	92		12/15/04	38.461	EPA8270
Anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Fluoranthene	ug/Kg	130		12/15/04	38.461	EPA8270
Pyrene	ug/Kg	110		12/15/04	38.461	EPA8270
BenzylButylPhthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 380		12/15/04	384.61	EPA8270
Benzo(a)anthracene	ug/Kg	99		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47703 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.02 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1020
MATRIX:Soil SAMPLE: SB-1/5-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	91		12/15/04	38.461	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(b)fluoranthene	ug/Kg	110	#	12/15/04	38.461	EPA8270
Benzo(k)fluoranthene	ug/Kg	110	#	12/15/04	38.461	EPA8270
Benzo(a)pyrene	ug/Kg	170		12/15/04	38.461	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	110		12/15/04	38.461	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(ghi)perylene	ug/Kg	110		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: #Total = 220 ug/Kg, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.02 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1020
MATRIX:Soil SAMPLE: SB-1/5-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Chlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Nitrophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dimethylphenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dinitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
4-Nitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 380		12/15/04	384.61	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.02 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1020
MATRIX:Soil SAMPLE: SB-1/5-7

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6500		12/15/04	1.2820	EPA6010
Antimony as Sb	mg/Kg	< 2.6		12/15/04	2.5641	EPA6010
Arsenic as As	mg/Kg	26		12/15/04	1.2820	EPA6010
Barium as Ba	mg/Kg	240		12/17/04	3.2051	EPA6010
Beryllium as Be	mg/Kg	0.59		12/15/04	0.1282	EPA6010
Cadmium as Cd	mg/Kg	0.85		12/15/04	0.6410	EPA6010
Calcium as Ca	mg/Kg	5800		12/15/04	25.641	EPA6010
Chromium as Cr	mg/Kg	17		12/15/04	0.6410	EPA6010
Cobalt as Co	mg/Kg	6.3		12/15/04	0.6410	EPA6010
Copper as Cu	mg/Kg	95		12/15/04	1.2820	EPA6010
Iron as Fe	mg/Kg	12000		12/15/04	1.2820	EPA6010
Lead as Pb	mg/Kg	1100		12/15/04	0.6410	EPA6010
Magnesium as Mg	mg/Kg	15		12/15/04	0.6410	EPA6010
Manganese as Mn	mg/Kg	180		12/15/04	1.2820	EPA6010
Mercury as Hg	mg/Kg	1.8		12/21/04	0.0641	EPA7470A
Nickel as Ni	mg/Kg	14		12/15/04	1.2820	EPA6010
Potassium as K	mg/Kg	1100		12/15/04	128.20	EPA6010
Selenium as Se	mg/Kg	1.7		12/17/04	0.5128	EPA7740
Silver as Ag	mg/Kg	3.1		12/15/04	0.6410	EPA6010
Sodium as Na	mg/Kg	1300		12/15/04	128.20	EPA6010
Thallium as Tl	mg/Kg	< 1.3		12/21/04	1.2820	EPA7841
Vanadium as V	mg/Kg	26		12/15/04	0.6410	EPA6010
Zinc as Zn	mg/Kg	140		12/15/04	1.2820	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47706 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.03 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Bromomethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Vinyl Chloride	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Chloroethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Methylene Chloride	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Acetone	ug/Kg	< 71		12/13/04	71.428	EPA8260
Carbon disulfide	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
1,1 Dichloroethene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
1,1 Dichloroethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
1,2 Dichloroethene	ug/Kg	< 14		12/13/04	14.285	EPA8260
Chloroform	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
1,2 Dichloroethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
2-Butanone	ug/Kg	< 71		12/13/04	71.428	EPA8260
111 Trichloroethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Carbon Tetrachloride	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Bromodichloromethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
1,2 Dichloropropane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
c-1,3Dichloropropene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Trichloroethene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Chlorodibromomethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
112 Trichloroethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Benzene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
t-1,3Dichloropropene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Bromoform	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 71		12/13/04	71.428	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.03 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 71		12/13/04	71.428	EPA8260
Tetrachloroethene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Toluene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
1122Tetrachloroethane	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Chlorobenzene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Ethyl Benzene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
Styrene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
o Xylene	ug/Kg	< 7.1		12/13/04	7.1428	EPA8260
m + p Xylene	ug/Kg	< 14		12/13/04	14.285	EPA8260
Xylene	ug/Kg	< 21		12/13/04	21.428	EPA8260
% Solids		70		12/13/04	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.03 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 43		12/15/04	42.857	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 43		12/15/04	42.857	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 43		12/15/04	42.857	EPA8270
Carbazole	ug/Kg	< 43		12/15/04	42.857	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 43		12/15/04	42.857	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 43		12/15/04	42.857	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 43		12/15/04	42.857	EPA8270
Hexachloroethane	ug/Kg	< 43		12/15/04	42.857	EPA8270
Nitrobenzene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Isophorone	ug/Kg	< 43		12/15/04	42.857	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 43		12/15/04	42.857	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 43		12/15/04	42.857	EPA8270
Naphthalene(sv)	ug/Kg	240		12/15/04	42.857	EPA8270
4-Chloroaniline	ug/Kg	< 43		12/15/04	42.857	EPA8270
Hexachlorobutadiene	ug/Kg	< 43		12/15/04	42.857	EPA8270
2-Methylnaphthalene	ug/Kg	47		12/15/04	42.857	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 430		12/15/04	428.57	EPA8270
2-Chloronaphthalene	ug/Kg	< 43		12/15/04	42.857	EPA8270
2-Nitroaniline	ug/Kg	< 43		12/15/04	42.857	EPA8270
Dimethyl Phthalate	ug/Kg	, 43		12/15/04	42.857	EPA8270
Acenaphthylene	ug/Kg	< 43		12/15/04	42.857	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 43		12/15/04	42.857	EPA8270
3-Nitroaniline	ug/Kg	< 43		12/15/04	42.857	EPA8270
Acenaphthene	ug/Kg	46		12/15/04	42.857	EPA8270
Dibenzofuran	ug/Kg	< 43		12/15/04	42.857	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.03 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Diethyl Phthalate	ug/Kg	< 43		12/15/04	42.857	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 43		12/15/04	42.857	EPA8270
Fluorene	ug/Kg	< 43		12/15/04	42.857	EPA8270
4-Nitroaniline	ug/Kg	< 43		12/15/04	42.857	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 43		12/15/04	42.857	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 43		12/15/04	42.857	EPA8270
Hexachlorobenzene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Phenanthrene	ug/Kg	43		12/15/04	42.857	EPA8270
Anthracene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 43		12/15/04	42.857	EPA8270
Fluoranthene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Pyrene	ug/Kg	< 43		12/15/04	42.857	EPA8270
BenzylButylPhthalate	ug/Kg	< 43		12/15/04	42.857	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 430		12/15/04	428.57	EPA8270
Benzo(a)anthracene	ug/Kg	< 43		12/15/04	42.857	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47710 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.03 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 43		12/15/04	42.857	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 43		12/15/04	42.857	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Benzo(a)pyrene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 43		12/15/04	42.857	EPA8270
Benzo(ghi)perylene	ug/Kg	< 43		12/15/04	42.857	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.03 12/22/04

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209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
2-Chlorophenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 43		12/15/04	42.857	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	1000	*	12/15/04	42.857	EPA8270
2-Nitrophenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
2,4-Dimethylphenol	ug/Kg	66		12/15/04	42.857	EPA8270
2,4-Dichlorophenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 43		12/15/04	42.857	EPA8270
2,4-Dinitrophenol	ug/Kg	< 430		12/15/04	428.57	EPA8270
4-Nitrophenol	ug/Kg	< 430		12/15/04	428.57	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 430		12/15/04	428.57	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 430		12/15/04	428.57	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: *Total of 3 & 4 methylphenol, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.03 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Soil SAMPLE: SB-2/10-15

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6100		12/15/04	1.4285	EPA6010
Antimony as Sb	mg/Kg	< 1.4		12/15/04	1.4285	EPA6010
Arsenic as As	mg/Kg	10		12/15/04	1.4285	EPA6010
Barium as Ba	mg/Kg	190		12/17/04	3.5714	EPA6010
Beryllium as Be	mg/Kg	0.39		12/15/04	0.1428	EPA6010
Cadmium as Cd	mg/Kg	0.87		12/15/04	0.7142	EPA6010
Calcium as Ca	mg/Kg	16000		12/15/04	28.571	EPA6010
Chromium as Cr	mg/Kg	14		12/15/04	0.7142	EPA6010
Cobalt as Co	mg/Kg	5.6		12/15/04	0.7142	EPA6010
Copper as Cu	mg/Kg	39		12/15/04	1.4285	EPA6010
Iron as Fe	mg/Kg	12000		12/15/04	1.4285	EPA6010
Lead as Pb	mg/Kg	700		12/15/04	0.7142	EPA6010
Magnesium as Mg	mg/Kg	3100		12/15/04	0.7142	EPA6010
Manganese as Mn	mg/Kg	300		12/15/04	1.4285	EPA6010
Mercury as Hg	mg/Kg	1.3		12/21/04	0.0714	EPA7470A
Nickel as Ni	mg/Kg	12		12/15/04	1.4285	EPA6010
Potassium as K	mg/Kg	1300		12/15/04	142.85	EPA6010
Selenium as Se	mg/Kg	1.4		12/17/04	0.5714	EPA7740
Silver as Ag	mg/Kg	< 0.71		12/15/04	0.7142	EPA6010
Sodium as Na	mg/Kg	1600		12/15/04	142.85	EPA6010
Thallium as Tl	mg/Kg	< 1.4		12/21/04	1.4285	EPA7841
Vanadium as V	mg/Kg	19		12/15/04	0.7142	EPA6010
Zinc as Zn	mg/Kg	130		12/15/04	1.4285	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47713 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.04 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		12/14/04	1	EPA8260
Bromomethane	ug/L	< 1		12/14/04	1	EPA8260
Vinyl Chloride	ug/L	< 1		12/14/04	1	EPA8260
Chloroethane	ug/L	< 1		12/14/04	1	EPA8260
Methylene Chloride	ug/L	< 1		12/14/04	1	EPA8260
Acetone	ug/L	< 10		12/14/04	10	EPA8260
Carbon disulfide	ug/L	< 1		12/14/04	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		12/14/04	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		12/14/04	2	EPA8260
Chloroform	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		12/14/04	1	EPA8260
2-Butanone	ug/L	< 10		12/14/04	10	EPA8260
111 Trichloroethane	ug/L	< 1		12/14/04	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		12/14/04	1	EPA8260
Bromodichloromethane	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		12/14/04	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		12/14/04	1	EPA8260
Trichloroethene	ug/L	< 1		12/14/04	1	EPA8260
Chlorodibromomethane	ug/L	< 1		12/14/04	1	EPA8260
112 Trichloroethane	ug/L	< 1		12/14/04	1	EPA8260
Benzene	ug/L	< 1		12/14/04	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		12/14/04	1	EPA8260
Bromoform	ug/L	< 1		12/14/04	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		12/14/04	10	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47714 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.04 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		12/14/04	10	EPA8260
Tetrachloroethene	ug/L	< 1		12/14/04	1	EPA8260
Toluene	ug/L	< 1		12/14/04	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		12/14/04	1	EPA8260
Chlorobenzene	ug/L	< 1		12/14/04	1	EPA8260
Ethyl Benzene	ug/L	< 1		12/14/04	1	EPA8260
Styrene	ug/L	< 1		12/14/04	1	EPA8260
o Xylene	ug/L	< 1		12/14/04	1	EPA8260
m + p Xylene	ug/L	< 2		12/14/04	2	EPA8260
Xylene	ug/L	< 3		12/14/04	3	EPA8260

cc:

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REMARKS:

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EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.04 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		12/14/04	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
Carbazole	ug/L	< 1		12/14/04	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		12/14/04	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		12/14/04	1	EPA8270
Hexachloroethane	ug/L	< 1		12/14/04	1	EPA8270
Nitrobenzene	ug/L	< 1		12/14/04	1	EPA8270
Isophorone	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		12/14/04	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		12/14/04	1	EPA8270
Naphthalene(sv)	ug/L	< 1		12/14/04	1	EPA8270
4-Chloroaniline	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		12/14/04	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		12/14/04	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		12/14/04	1	EPA8270
2-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Acenaphthylene	ug/L	< 1		12/14/04	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		12/14/04	1	EPA8270
3-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
Acenaphthene	ug/L	< 1		12/14/04	1	EPA8270
Dibenzofuran	ug/L	< 1		12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.04 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		12/14/04	1	EPA8270
Diethyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		12/14/04	1	EPA8270
Fluorene	ug/L	< 1		12/14/04	1	EPA8270
4-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		12/14/04	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorobenzene	ug/L	< 1		12/14/04	1	EPA8270
Phenanthrene	ug/L	1		12/14/04	1	EPA8270
Anthracene	ug/L	< 1		12/14/04	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Fluoranthene	ug/L	2		12/14/04	1	EPA8270
Pyrene	ug/L	2		12/14/04	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		12/14/04	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10	@	12/14/04	10	EPA8270
Benzo(a)anthracene	ug/L	1		12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: @Estimated due to low internal standard, @27%. Low recovery due to interference. QC limit is 50%.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.04 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	1		12/14/04	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1		12/14/04	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1	@	12/14/04	1	EPA8270
Benzo(b)fluoranthene	ug/L	1.7	@#	12/14/04	1	EPA8270
Benzo(k)fluoranthene	ug/L	1.7	@#	12/14/04	1	EPA8270
Benzo(a)pyrene	ug/L	2	@	12/14/04	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	1	@	12/14/04	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1	@	12/14/04	1	EPA8270
Benzo(ghi)perylene	ug/L	1	@	12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: @Estimated due to low internal standard, @27%. Low recovery due to interference. QC limit is 50%.
#Total = 3.4 ug/L, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
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LAB NO.245249.04 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		12/14/04	1	EPA8270
2-Chlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		12/14/04	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		12/14/04	1	EPA8270
2-Nitrophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		12/14/04	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		12/14/04	10	EPA8270
4-Nitrophenol	ug/L	< 10		12/14/04	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		12/14/04	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		12/14/04	10	EPA8270

cc:

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REMARKS:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1210
MATRIX:Water SAMPLE: SB-2/10-15

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	33		12/15/04	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.01		12/15/04	0.005	EPA200.7
Arsenic as As	mg/L	0.040		12/15/04	0.005	EPA200.7
Barium as Ba	mg/L	1.1		12/15/04	0.005	EPA200.7
Beryllium as Be	mg/L	0.002		12/15/04	0.001	EPA200.7
Cadmium as Cd	mg/L	0.008		12/15/04	0.005	EPA200.7
Calcium as Ca	mg/L	290		12/17/04	2	EPA200.7
Chromium as Cr	mg/L	0.068		12/15/04	0.005	EPA200.7
Cobalt as Co	mg/L	0.031		12/15/04	0.005	EPA200.7
Copper as Cu	mg/L	0.19		12/15/04	0.01	EPA200.7
Iron as Fe	mg/L	47		12/15/04	0.01	EPA200.7
Lead as Pb	mg/L	1.5		12/15/04	0.005	EPA200.7
Magnesium as Mg	mg/L	180		12/17/04	0.05	EPA200.7
Manganese as Mn	mg/L	1.2		12/15/04	0.01	EPA200.7
Mercury as Hg	mg/L	0.0063		12/14/04	0.001	EPA245.2
Nickel as Ni	mg/L	0.06		12/15/04	0.01	EPA200.7
Potassium as K	mg/L	71		12/17/04	10	EPA200.7
Selenium as Se	mg/L	< 0.01		12/15/04	0.01	EPA200.9
Silver as Ag	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Sodium as Na	mg/L	490		12/17/04	10	EPA200.7
Thallium as Tl	mg/L	< 0.01		12/20/04	0.01	EPA200.9
Vanadium as V	mg/L	0.094		12/15/04	0.005	EPA200.7
Zinc as Zn	mg/L	0.53		12/15/04	0.01	EPA200.7

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47720 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.05 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Bromomethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Vinyl Chloride	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Chloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Methylene Chloride	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Acetone	ug/Kg	< 64		12/14/04	64.102	EPA8260
Carbon disulfide	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
1,2 Dichloroethene	ug/Kg	< 13		12/14/04	12.820	EPA8260
Chloroform	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
2-Butanone	ug/Kg	< 64		12/14/04	64.102	EPA8260
111 Trichloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Bromodichloromethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Trichloroethene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Chlorodibromomethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
112 Trichloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Benzene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
t-1,3Dichloropropene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Bromoform	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 64		12/14/04	64.102	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.05 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 64		12/14/04	64.102	EPA8260
Tetrachloroethene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Toluene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Chlorobenzene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Ethyl Benzene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Styrene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
o Xylene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
m + p Xylene	ug/Kg	< 13		12/14/04	12.820	EPA8260
Xylene	ug/Kg	< 19		12/14/04	19.230	EPA8260
% Solids		78		12/13/04	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.05 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Carbazole	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachloroethane	ug/Kg	< 38		12/15/04	38.461	EPA8270
Nitrobenzene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Isophorone	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 38		12/15/04	38.461	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Naphthalene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chloroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorobutadiene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Methylnaphthalene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 380		12/15/04	384.61	EPA8270
2-Chloronaphthalene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dimethyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Acenaphthylene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 38		12/15/04	38.461	EPA8270
3-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Acenaphthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dibenzofuran	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.05 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/07/04 RECEIVED:12/10/04
TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Diethyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
Fluorene	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorobenzene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Phenanthrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Fluoranthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Pyrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
BenzylButylPhthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 380		12/15/04	384.61	EPA8270
Benzo(a)anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

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TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(a)pyrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(ghi)perylene	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

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TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Chlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Nitrophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dimethylphenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dinitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
4-Nitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 380		12/15/04	384.61	EPA8270

cc:

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ATTN: William Holubowich PO#:

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TIME COL'D:1525
MATRIX:Soil SAMPLE: SB-3/15-20

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6500		12/15/04	1.2820	EPA6010
Antimony as Sb	mg/Kg	< 1.3		12/15/04	1.2820	EPA6010
Arsenic as As	mg/Kg	2.8		12/15/04	1.2820	EPA6010
Barium as Ba	mg/Kg	38		12/15/04	0.6410	EPA6010
Beryllium as Be	mg/Kg	0.26		12/15/04	0.1282	EPA6010
Cadmium as Cd	mg/Kg	0.68		12/15/04	0.6410	EPA6010
Calcium as Ca	mg/Kg	4600		12/15/04	25.641	EPA6010
Chromium as Cr	mg/Kg	11		12/15/04	0.6410	EPA6010
Cobalt as Co	mg/Kg	4.9		12/15/04	0.6410	EPA6010
Copper as Cu	mg/Kg	11		12/15/04	1.2820	EPA6010
Iron as Fe	mg/Kg	12000		12/15/04	1.2820	EPA6010
Lead as Pb	mg/Kg	44		12/15/04	0.6410	EPA6010
Magnesium as Mg	mg/Kg	2900		12/15/04	0.6410	EPA6010
Manganese as Mn	mg/Kg	180		12/15/04	1.2820	EPA6010
Mercury as Hg	mg/Kg	0.049		12/21/04	0.0064	EPA7470A
Nickel as Ni	mg/Kg	11		12/15/04	1.2820	EPA6010
Potassium as K	mg/Kg	740		12/15/04	128.20	EPA6010
Selenium as Se	mg/Kg	< 0.51		12/17/04	0.5128	EPA7740
Silver as Ag	mg/Kg	< 0.64		12/15/04	0.6410	EPA6010
Sodium as Na	mg/Kg	1100		12/15/04	128.20	EPA6010
Thallium as Tl	mg/Kg	< 1.3		12/15/04	1.2820	EPA6010
Vanadium as V	mg/Kg	13		12/15/04	0.6410	EPA6010
Zinc as Zn	mg/Kg	38		12/15/04	1.2820	EPA6010

cc:

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REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.06 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Bromomethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Vinyl Chloride	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Chloroethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Methylene Chloride	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Acetone	ug/Kg	< 68		12/14/04	67.567	EPA8260
Carbon disulfide	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
1,2 Dichloroethene	ug/Kg	< 14		12/14/04	13.513	EPA8260
Chloroform	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
2-Butanone	ug/Kg	< 68		12/14/04	67.567	EPA8260
111 Trichloroethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Bromodichloromethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Trichloroethene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Chlorodibromomethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
112 Trichloroethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Benzene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
t-1,3Dichloropropene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Bromoform	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 68		12/14/04	67.567	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.06 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 68		12/14/04	67.567	EPA8260
Tetrachloroethene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Toluene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Chlorobenzene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Ethyl Benzene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
Styrene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
o Xylene	ug/Kg	< 6.8		12/14/04	6.7567	EPA8260
m + p Xylene	ug/Kg	< 14		12/14/04	13.513	EPA8260
Xylene	ug/Kg	< 20		12/14/04	20.270	EPA8260
% Solids		74		12/13/04	0.1	SM182540G

cc:

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North Babylon, NY 11703
631 422-5777

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Roux Associates, Incorporated
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Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 200		12/16/04	202.70	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 200		12/16/04	202.70	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 200		12/16/04	202.70	EPA8270
Carbazole	ug/Kg	640		12/16/04	202.70	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 200		12/16/04	202.70	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 200		12/16/04	202.70	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 200		12/16/04	202.70	EPA8270
Hexachloroethane	ug/Kg	< 200		12/16/04	202.70	EPA8270
Nitrobenzene	ug/Kg	< 200		12/16/04	202.70	EPA8270
Isophorone	ug/Kg	< 200		12/16/04	202.70	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 200		12/16/04	202.70	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 200		12/16/04	202.70	EPA8270
Naphthalene(sv)	ug/Kg	420		12/16/04	202.70	EPA8270
4-Chloroaniline	ug/Kg	< 200		12/16/04	202.70	EPA8270
Hexachlorobutadiene	ug/Kg	< 200		12/16/04	202.70	EPA8270
2-Methylnaphthalene	ug/Kg	230		12/16/04	202.70	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 2000		12/16/04	2027.0	EPA8270
2-Chloronaphthalene	ug/Kg	< 200		12/16/04	202.70	EPA8270
2-Nitroaniline	ug/Kg	< 200		12/16/04	202.70	EPA8270
Dimethyl Phthalate	ug/Kg	< 200		12/16/04	202.70	EPA8270
Acenaphthylene	ug/Kg	< 200		12/16/04	202.70	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 200		12/16/04	202.70	EPA8270
3-Nitroaniline	ug/Kg	< 200		12/16/04	202.70	EPA8270
Acenaphthene	ug/Kg	550		12/16/04	202.70	EPA8270
Dibenzofuran	ug/Kg	230		12/16/04	202.70	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

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377 Sheffield Ave
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631 422-5777

LAB NO.245249.06 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 200		12/16/04	202.70	EPA8270
Diethyl Phthalate	ug/Kg	< 200		12/16/04	202.70	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 200		12/16/04	202.70	EPA8270
Fluorene	ug/Kg	570		12/16/04	202.70	EPA8270
4-Nitroaniline	ug/Kg	< 200		12/16/04	202.70	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 200		12/16/04	202.70	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 200		12/16/04	202.70	EPA8270
Hexachlorobenzene	ug/Kg	< 200		12/16/04	202.70	EPA8270
Phenanthrene	ug/Kg	2800		12/16/04	202.70	EPA8270
Anthracene	ug/Kg	1400		12/16/04	202.70	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 200		12/16/04	202.70	EPA8270
Fluoranthene	ug/Kg	3400		12/16/04	202.70	EPA8270
Pyrene	ug/Kg	5100		12/16/04	202.70	EPA8270
BenzylButylPhthalate	ug/Kg	< 200		12/16/04	202.70	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 2000	@	12/16/04	2027.0	EPA8270
Benzo(a)anthracene	ug/Kg	3200		12/16/04	202.70	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: @Estimated due to low internal standard, @32%. Low recovery due to interference. QC limit is 50%.

DIRECTOR

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ATTN: William Holubowich PO#:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	3200		12/16/04	202.70	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 200		12/16/04	202.70	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 200	@	12/16/04	202.70	EPA8270
Benzo(b)fluoranthene	ug/Kg	3800	@#	12/16/04	202.70	EPA8270
Benzo(k)fluoranthene	ug/Kg	3800	@#	12/16/04	202.70	EPA8270
Benzo(a)pyrene	ug/Kg	4700	@	12/16/04	202.70	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	1600	@	12/16/04	202.70	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	590	@	12/16/04	202.70	EPA8270
Benzo(ghi)perylene	ug/Kg	2200	@	12/16/04	202.70	EPA8270

cc:

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REMARKS: @Estimated due to low internal standard, @32%. Low recovery due to interference. QC limit is 50%.
#Total = 7600 ug/Kg, unable to separate isomers.

DIRECTOR

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TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2-Chlorophenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 200		12/16/04	202.70	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	960	*	12/16/04	202.70	EPA8270
2-Nitrophenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2,4-Dimethylphenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2,4-Dichlorophenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 200		12/16/04	202.70	EPA8270
2,4-Dinitrophenol	ug/Kg	< 2000		12/16/04	2027.0	EPA8270
4-Nitrophenol	ug/Kg	< 2000		12/16/04	2027.0	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 2000		12/16/04	2027.0	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 2000		12/16/04	2027.0	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: *Total of 3 & 4 methylphenol, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.06 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1110
MATRIX:Soil SAMPLE: SB-4/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	5100		12/15/04	1.3513	EPA6010
Antimony as Sb	mg/Kg	< 1.4		12/15/04	1.3513	EPA6010
Arsenic as As	mg/Kg	7.3		12/15/04	1.3513	EPA6010
Barium as Ba	mg/Kg	100		12/15/04	0.6756	EPA6010
Beryllium as Be	mg/Kg	0.38		12/15/04	0.1351	EPA6010
Cadmium as Cd	mg/Kg	0.84		12/15/04	0.6756	EPA6010
Calcium as Ca	mg/Kg	11000		12/15/04	27.027	EPA6010
Chromium as Cr	mg/Kg	11		12/15/04	0.6756	EPA6010
Cobalt as Co	mg/Kg	5.4		12/15/04	0.6756	EPA6010
Copper as Cu	mg/Kg	28		12/15/04	1.3513	EPA6010
Iron as Fe	mg/Kg	11000		12/15/04	1.3513	EPA6010
Lead as Pb	mg/Kg	350		12/15/04	0.6756	EPA6010
Magnesium as Mg	mg/Kg	2300		12/15/04	0.6756	EPA6010
Manganese as Mn	mg/Kg	230		12/15/04	1.3513	EPA6010
Mercury as Hg	mg/Kg	0.20		12/21/04	0.0067	EPA7470A
Nickel as Ni	mg/Kg	12		12/15/04	1.3513	EPA6010
Potassium as K	mg/Kg	1100		12/15/04	135.13	EPA6010
Selenium as Se	mg/Kg	0.65		12/17/04	0.5405	EPA7740
Silver as Ag	mg/Kg	< 0.68		12/15/04	0.6756	EPA6010
Sodium as Na	mg/Kg	760		12/15/04	135.13	EPA6010
Thallium as Tl	mg/Kg	< 1.4		12/15/04	1.3513	EPA6010
Vanadium as V	mg/Kg	14		12/15/04	0.6756	EPA6010
Zinc as Zn	mg/Kg	76		12/15/04	1.3513	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47734 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		12/14/04	1	EPA8260
Bromomethane	ug/L	< 1		12/14/04	1	EPA8260
Vinyl Chloride	ug/L	< 1		12/14/04	1	EPA8260
Chloroethane	ug/L	< 1		12/14/04	1	EPA8260
Methylene Chloride	ug/L	< 1		12/14/04	1	EPA8260
Acetone	ug/L	< 10		12/14/04	10	EPA8260
Carbon disulfide	ug/L	< 1		12/14/04	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		12/14/04	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		12/14/04	2	EPA8260
Chloroform	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		12/14/04	1	EPA8260
2-Butanone	ug/L	< 10		12/14/04	10	EPA8260
111 Trichloroethane	ug/L	< 1		12/14/04	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		12/14/04	1	EPA8260
Bromodichloromethane	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		12/14/04	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		12/14/04	1	EPA8260
Trichloroethene	ug/L	< 1		12/14/04	1	EPA8260
Chlorodibromomethane	ug/L	< 1		12/14/04	1	EPA8260
112 Trichloroethane	ug/L	< 1		12/14/04	1	EPA8260
Benzene	ug/L	< 1		12/14/04	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		12/14/04	1	EPA8260
Bromoform	ug/L	< 1		12/14/04	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		12/14/04	10	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47735 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		12/14/04	10	EPA8260
Tetrachloroethene	ug/L	< 1		12/14/04	1	EPA8260
Toluene	ug/L	< 1		12/14/04	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		12/14/04	1	EPA8260
Chlorobenzene	ug/L	< 1		12/14/04	1	EPA8260
Ethyl Benzene	ug/L	< 1		12/14/04	1	EPA8260
Styrene	ug/L	< 1		12/14/04	1	EPA8260
o Xylene	ug/L	< 1		12/14/04	1	EPA8260
m + p Xylene	ug/L	< 2		12/14/04	2	EPA8260
Xylene	ug/L	< 3		12/14/04	3	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 10		12/14/04	10	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 10		12/14/04	10	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 10		12/14/04	10	EPA8270
Carbazole	ug/L	< 10		12/14/04	10	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 10		12/14/04	10	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 10		12/14/04	10	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 10		12/14/04	10	EPA8270
Hexachloroethane	ug/L	< 10		12/14/04	10	EPA8270
Nitrobenzene	ug/L	< 10		12/14/04	10	EPA8270
Isophorone	ug/L	< 10		12/14/04	10	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 10		12/14/04	10	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 10		12/14/04	10	EPA8270
Naphthalene(sv)	ug/L	< 10		12/14/04	10	EPA8270
4-Chloroaniline	ug/L	< 10		12/14/04	10	EPA8270
Hexachlorobutadiene	ug/L	< 10		12/14/04	10	EPA8270
2-Methylnaphthalene	ug/L	< 10		12/14/04	10	EPA8270
Hexachlorocyclopentadiene	ug/L	< 100		12/14/04	100	EPA8270
2-Chloronaphthalene	ug/L	< 10		12/14/04	10	EPA8270
2-Nitroaniline	ug/L	< 10		12/14/04	10	EPA8270
Dimethyl Phthalate	ug/L	< 10		12/14/04	10	EPA8270
Acenaphthylene	ug/L	< 10		12/14/04	10	EPA8270
2,6-Dinitrotoluene	ug/L	< 10		12/14/04	10	EPA8270
3-Nitroaniline	ug/L	< 10		12/14/04	10	EPA8270
Acenaphthene	ug/L	< 10		12/14/04	10	EPA8270
Dibenzofuran	ug/L	< 10		12/14/04	10	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 10		12/14/04	10	EPA8270
Diethyl Phthalate	ug/L	< 10		12/14/04	10	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 10		12/14/04	10	EPA8270
Fluorene	ug/L	< 10		12/14/04	10	EPA8270
4-Nitroaniline	ug/L	< 10		12/14/04	10	EPA8270
N-Nitrosodiphenylamine	ug/L	< 10		12/14/04	10	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 10		12/14/04	10	EPA8270
Hexachlorobenzene	ug/L	< 10		12/14/04	10	EPA8270
Phenanthrene	ug/L	24		12/14/04	10	EPA8270
Anthracene	ug/L	10		12/14/04	10	EPA8270
Di-n-Butyl Phthalate	ug/L	< 10		12/14/04	10	EPA8270
Fluoranthene	ug/L	32		12/14/04	10	EPA8270
Pyrene	ug/L	36		12/14/04	10	EPA8270
BenzylButylPhthalate	ug/L	< 10		12/14/04	10	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 100		12/14/04	100	EPA8270
Benzo(a)anthracene	ug/L	34		12/14/04	10	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	32		12/14/04	10	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	<.10		12/14/04	10	EPA8270
Di-n-octyl Phthalate	ug/L	< 10		12/14/04	10	EPA8270
Benzo(b)fluoranthene	ug/L	32	#	12/14/04	10	EPA8270
Benzo(k)fluoranthene	ug/L	32	#	12/14/04	10	EPA8270
Benzo(a)pyrene	ug/L	50		12/14/04	10	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	16		12/14/04	10	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 10		12/14/04	10	EPA8270
Benzo(ghi)perylene	ug/L	18		12/14/04	10	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: #Total = 64 ug/L, unable to separate isomers.

DIRECTOR

rn = 47739 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 10		12/14/04	10	EPA8270
2-Chlorophenol	ug/L	< 10		12/14/04	10	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 10		12/14/04	10	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 10		12/14/04	10	EPA8270
2-Nitrophenol	ug/L	< 10		12/14/04	10	EPA8270
2,4-Dimethylphenol	ug/L	< 10		12/14/04	10	EPA8270
2,4-Dichlorophenol	ug/L	< 10		12/14/04	10	EPA8270
4-Chloro-3-methylphenol	ug/L	< 10		12/14/04	10	EPA8270
2,4,6-Trichlorophenol	ug/L	< 10		12/14/04	10	EPA8270
2,4,5-Trichlorophenol	ug/L	< 10		12/14/04	10	EPA8270
2,4-Dinitrophenol	ug/L	< 100		12/14/04	100	EPA8270
4-Nitrophenol	ug/L	< 100		12/14/04	100	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 100		12/14/04	100	EPA8270
Pentachlorophenol (ms)	ug/L	< 100		12/14/04	100	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47740 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.07 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1130
MATRIX:Water SAMPLE: SB-4/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	5.0		12/15/04	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.01		12/15/04	0.01	EPA200.7
Arsenic as As	mg/L	0.017		12/15/04	0.005	EPA200.7
Barium as Ba	mg/L	0.29		12/15/04	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		12/15/04	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Calcium as Ca	mg/L	87		12/15/04	0.2	EPA200.7
Chromium as Cr	mg/L	0.01		12/15/04	0.005	EPA200.7
Cobalt as Co	mg/L	0.006		12/15/04	0.005	EPA200.7
Copper as Cu	mg/L	0.07		12/15/04	0.01	EPA200.7
Iron as Fe	mg/L	14		12/15/04	0.01	EPA200.7
Lead as Pb	mg/L	0.14		12/15/04	0.005	EPA200.7
Magnesium as Mg	mg/L	130		12/17/04	0.05	EPA200.7
Manganese as Mn	mg/L	0.39		12/15/04	0.01	EPA200.7
Mercury as Hg	mg/L	0.0018		12/14/04	0.001	EPA245.2
Nickel as Ni	mg/L	0.01		12/15/04	0.01	EPA200.7
Potassium as K	mg/L	88		12/17/04	10	EPA200.7
Selenium as Se	mg/L	< 0.01		12/15/04	0.01	EPA200.9
Silver as Ag	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Sodium as Na	mg/L	880		12/17/04	10	EPA200.7
Thallium as Tl	mg/L	< 0.01		12/20/04	0.01	EPA200.9
Vanadium as V	mg/L	0.014		12/15/04	0.005	EPA200.7
Zinc as Zn	mg/L	0.23		12/15/04	0.01	EPA200.7

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47741 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Bromomethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Vinyl Chloride	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Chloroethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Methylene Chloride	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Acetone	ug/Kg	< 65		12/14/04	64.935	EPA8260
Carbon disulfide	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
1,2 Dichloroethene	ug/Kg	< 13		12/14/04	12.987	EPA8260
Chloroform	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
2-Butanone	ug/Kg	< 65		12/14/04	64.935	EPA8260
111 Trichloroethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Bromodichloromethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Trichloroethene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Chlorodibromomethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
112 Trichloroethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Benzene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
t-1,3Dichloropropene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Bromoform	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 65		12/14/04	64.935	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 65		12/14/04	64.935	EPA8260
Tetrachloroethene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Toluene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Chlorobenzene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Ethyl Benzene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
Styrene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
o Xylene	ug/Kg	< 6.5		12/14/04	6.4935	EPA8260
m + p Xylene	ug/Kg	< 13		12/14/04	12.987	EPA8260
Xylene	ug/Kg	< 19		12/14/04	19.480	EPA8260
% Solids		77		12/13/04	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47743 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 39		12/15/04	38.961	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 39		12/15/04	38.961	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 39		12/15/04	38.961	EPA8270
Carbazole	ug/Kg	< 39		12/15/04	38.961	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 39		12/15/04	38.961	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 39		12/15/04	38.961	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 39		12/15/04	38.961	EPA8270
Hexachloroethane	ug/Kg	< 39		12/15/04	38.961	EPA8270
Nitrobenzene	ug/Kg	< 39		12/15/04	38.961	EPA8270
Isophorone	ug/Kg	< 39		12/15/04	38.961	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 39		12/15/04	38.961	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 39		12/15/04	38.961	EPA8270
Naphthalene(sv)	ug/Kg	< 39		12/15/04	38.961	EPA8270
4-Chloroaniline	ug/Kg	< 39		12/15/04	38.961	EPA8270
Hexachlorobutadiene	ug/Kg	< 39		12/15/04	38.961	EPA8270
2-Methylnaphthalene	ug/Kg	< 39		12/15/04	38.961	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 390		12/15/04	389.61	EPA8270
2-Chloronaphthalene	ug/Kg	< 39		12/15/04	38.961	EPA8270
2-Nitroaniline	ug/Kg	< 39		12/15/04	38.961	EPA8270
Dimethyl Phthalate	ug/Kg	< 39		12/15/04	38.961	EPA8270
Acenaphthylene	ug/Kg	< 39		12/15/04	38.961	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 39		12/15/04	38.961	EPA8270
3-Nitroaniline	ug/Kg	< 39		12/15/04	38.961	EPA8270
Acenaphthene	ug/Kg	< 39		12/15/04	38.961	EPA8270
Dibenzofuran	ug/Kg	< 39		12/15/04	38.961	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 39		12/15/04	38.961	EPA8270
Diethyl Phthalate	ug/Kg	< 39		12/15/04	38.961	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 39		12/15/04	38.961	EPA8270
Fluorene	ug/Kg	< 39		12/15/04	38.961	EPA8270
4-Nitroaniline	ug/Kg	< 39		12/15/04	38.961	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 39		12/15/04	38.961	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 39		12/15/04	38.961	EPA8270
Hexachlorobenzene	ug/Kg	< 39		12/15/04	38.961	EPA8270
Phenanthrene	ug/Kg	92		12/15/04	38.961	EPA8270
Anthracene	ug/Kg	42		12/15/04	38.961	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 39		12/15/04	38.961	EPA8270
Fluoranthene	ug/Kg	130		12/15/04	38.961	EPA8270
Pyrene	ug/Kg	320	$	12/15/04	38.961	EPA8270
BenzylButylPhthalate	ug/Kg	< 39	$	12/15/04	38.961	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 390	@	12/15/04	389.61	EPA8270
Benzo(a)anthracene	ug/Kg	160	$	12/15/04	38.961	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: $,@Estimated due to low internal standard, $43% & @16%. Low recovery due to interference. QC limit is 50%

DIRECTOR

rn = 47745 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	140	$	12/15/04	38.961	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 39	$	12/15/04	38.961	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 39	@	12/15/04	38.961	EPA8270
Benzo(b)fluoranthene	ug/Kg	140	@#	12/15/04	38.961	EPA8270
Benzo(k)fluoranthene	ug/Kg	140	@#	12/15/04	38.961	EPA8270
Benzo(a)pyrene	ug/Kg	160	@	12/15/04	38.961	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	130	@	12/15/04	38.961	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	51	@	12/15/04	38.961	EPA8270
Benzo(ghi)perylene	ug/Kg	180	@	12/15/04	38.961	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: $,@Estimated due to low internal standard, $43% & @16%. Low recovery due to interference. QC limit is 50%
#Total = 280 ug/Kg, unable to separate isomers.

DIRECTOR

rn = 47746 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
henol	ug/Kg	< 39		12/15/04	38.961	EPA8270
-Chlorophenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 39		12/15/04	38.961	EPA8270
-Methylphenol (p-cresol)	ug/Kg	270	*	12/15/04	38.961	EPA8270
-Nitrophenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
2,4-Dimethylphenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
2,4-Dichlorophenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
-Chloro-3-methylphenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 39		12/15/04	38.961	EPA8270
,4-Dinitrophenol	ug/Kg	< 390		12/15/04	389.61	EPA8270
-Nitrophenol	ug/Kg	< 390		12/15/04	389.61	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 390		12/15/04	389.61	EPA8270
entachlorophenol (ms)	ug/Kg	< 390		12/15/04	389.61	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: *Total = 3 & 4 methylphenol, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.08 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1320
MATRIX:Soil SAMPLE: SB-5/8-12

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6400		12/15/04	1.2987	EPA6010
Antimony as Sb	mg/Kg	< 1.3		12/15/04	1.2987	EPA6010
Arsenic as As	mg/Kg	10		12/15/04	1.2987	EPA6010
Barium as Ba	mg/Kg	120		12/15/04	0.6493	EPA6010
Beryllium as Be	mg/Kg	0.42		12/15/04	0.1298	EPA6010
Cadmium as Cd	mg/Kg	0.92		12/15/04	0.6493	EPA6010
Calcium as Ca	mg/Kg	11000		12/15/04	25.974	EPA6010
Chromium as Cr	mg/Kg	13		12/15/04	0.6493	EPA6010
Cobalt as Co	mg/Kg	6.8		12/15/04	0.6493	EPA6010
Copper as Cu	mg/Kg	25		12/15/04	1.2987	EPA6010
Iron as Fe	mg/Kg	14000		12/15/04	1.2987	EPA6010
Lead as Pb	mg/Kg	250		12/15/04	0.6493	EPA6010
Magnesium as Mg	mg/Kg	2500		12/15/04	0.6493	EPA6010
Manganese as Mn	mg/Kg	290		12/15/04	1.2987	EPA6010
Mercury as Hg	mg/Kg	0.17		12/21/04	0.0064	EPA7470A
Nickel as Ni	mg/Kg	16		12/15/04	1.2987	EPA6010
Potassium as K	mg/Kg	1100		12/15/04	129.87	EPA6010
Selenium as Se	mg/Kg	0.55		12/17/04	0.5194	EPA7740
Silver as Ag	mg/Kg	< 0.65		12/15/04	0.6493	EPA6010
Sodium as Na	mg/Kg	520		12/15/04	129.87	EPA6010
Thallium as Tl	mg/Kg	< 1.3		12/21/04	1.2987	EPA7841
Vanadium as V	mg/Kg	18		12/15/04	0.6493	EPA6010
Zinc as Zn	mg/Kg	84		12/15/04	1.2987	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.09 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1450
MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Bromomethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Vinyl Chloride	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Chloroethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Methylene Chloride	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Acetone	ug/Kg	< 63		12/14/04	62.5	EPA8260
Carbon disulfide	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
1,2 Dichloroethene	ug/Kg	< 13		12/14/04	12.5	EPA8260
Chloroform	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
2-Butanone	ug/Kg	< 63		12/14/04	62.5	EPA8260
111 Trichloroethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Bromodichloromethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Trichloroethene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Chlorodibromomethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
112 Trichloroethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Benzene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
t-1,3Dichloropropene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Bromoform	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 63		12/14/04	62.5	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.09 12/22/04

Roux Associates, Incorporated
109 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1450
MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 63		12/14/04	62.5	EPA8260
Tetrachloroethene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Toluene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Chlorobenzene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Ethyl Benzene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
Styrene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
o Xylene	ug/Kg	< 6.3		12/14/04	6.25	EPA8260
m + p Xylene	ug/Kg	< 13		12/14/04	12.5	EPA8260
Xylene	ug/Kg	< 19		12/14/04	18.75	EPA8260
% Solids		80		12/13/04	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.09 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1450
MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 190		12/15/04	187.5	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 190		12/15/04	187.5	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 190		12/15/04	187.5	EPA8270
Carbazole	ug/Kg	< 190		12/15/04	187.5	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 190		12/15/04	187.5	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 190		12/15/04	187.5	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 190		12/15/04	187.5	EPA8270
Hexachloroethane	ug/Kg	< 190		12/15/04	187.5	EPA8270
Nitrobenzene	ug/Kg	< 190		12/15/04	187.5	EPA8270
Isophorone	ug/Kg	< 190		12/15/04	187.5	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 190		12/15/04	187.5	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 190		12/15/04	187.5	EPA8270
Naphthalene(sv)	ug/Kg	< 190		12/15/04	187.5	EPA8270
4-Chloroaniline	ug/Kg	< 190		12/15/04	187.5	EPA8270
Hexachlorobutadiene	ug/Kg	< 190		12/15/04	187.5	EPA8270
2-Methylnaphthalene	ug/Kg	< 190		12/15/04	187.5	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 1900		12/15/04	1875	EPA8270
2-Chloronaphthalene	ug/Kg	< 190		12/15/04	187.5	EPA8270
2-Nitroaniline	ug/Kg	< 190		12/15/04	187.5	EPA8270
Dimethyl Phthalate	ug/Kg	< 190		12/15/04	187.5	EPA8270
Acenaphthylene	ug/Kg	< 190		12/15/04	187.5	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 190		12/15/04	187.5	EPA8270
3-Nitroaniline	ug/Kg	< 190		12/15/04	187.5	EPA8270
Acenaphthene	ug/Kg	< 190		12/15/04	187.5	EPA8270
Dibenzofuran	ug/Kg	< 190		12/15/04	187.5	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.09 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1450
MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 190		12/15/04	187.5	EPA8270
Diethyl Phthalate	ug/Kg	< 190		12/15/04	187.5	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 190		12/15/04	187.5	EPA8270
Fluorene	ug/Kg	< 190		12/15/04	187.5	EPA8270
4-Nitroaniline	ug/Kg	< 190		12/15/04	187.5	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 190		12/15/04	187.5	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 190		12/15/04	187.5	EPA8270
Hexachlorobenzene	ug/Kg	< 190		12/15/04	187.5	EPA8270
Phenanthrene	ug/Kg	440		12/15/04	187.5	EPA8270
Anthracene	ug/Kg	< 190		12/15/04	187.5	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 190		12/15/04	187.5	EPA8270
Fluoranthene	ug/Kg	680		12/15/04	187.5	EPA8270
Pyrene	ug/Kg	590		12/15/04	187.5	EPA8270
BenzylButylPhthalate	ug/Kg	< 190		12/15/04	187.5	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 1900		12/15/04	1875	EPA8270
Benzo(a)anthracene	ug/Kg	680		12/15/04	187.5	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.09 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1450
MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
hrysene	ug/Kg	590		12/15/04	187.5	EPA8270
bis(2-ethylhexyl)phthalate	ug/Kg	< 190		12/15/04	187.5	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 190		12/15/04	187.5	EPA8270
enzo(b)fluoranthene	ug/Kg	740	#	12/15/04	187.5	EPA8270
enzo(k)fluoranthene	ug/Kg	740	#	12/15/04	187.5	EPA8270
Benzo(a)pyrene	ug/Kg	1100		12/15/04	187.5	EPA8270
ndeno(1,2,3-cd)pyrene	ug/Kg	560		12/15/04	187.5	EPA8270
ibenzo(a,h)anthracene	ug/Kg	190		12/15/04	187.5	EPA8270
Benzo(ghi)perylene	ug/Kg	530		12/15/04	187.5	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: #Total = 1480 ug/Kg, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.09 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1450
MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2-Chlorophenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 190		12/15/04	187.5	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 190		12/15/04	187.5	EPA8270
2-Nitrophenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2,4-Dimethylphenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2,4-Dichlorophenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 190		12/15/04	187.5	EPA8270
2,4-Dinitrophenol	ug/Kg	< 1900		12/15/04	1875	EPA8270
4-Nitrophenol	ug/Kg	< 1900		12/15/04	1875	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 1900		12/15/04	1875	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 1900		12/15/04	1875	EPA8270

cc:

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REMARKS:

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TIME COL'D:1450
MATRIX:Soil SAMPLE: SB-6/4-8

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6800		12/15/04	1.25	EPA6010
Antimony as Sb	mg/Kg	< 1.3		12/15/04	1.25	EPA6010
Arsenic as As	mg/Kg	8.3		12/15/04	1.25	EPA6010
Barium as Ba	mg/Kg	120		12/15/04	0.625	EPA6010
Beryllium as Be	mg/Kg	0.39		12/15/04	0.125	EPA6010
Cadmium as Cd	mg/Kg	0.88		12/15/04	0.625	EPA6010
Calcium as Ca	mg/Kg	6400		12/15/04	25	EPA6010
Chromium as Cr	mg/Kg	12		12/15/04	0.625	EPA6010
Cobalt as Co	mg/Kg	5.6		12/15/04	0.625	EPA6010
Copper as Cu	mg/Kg	29		12/15/04	1.25	EPA6010
Iron as Fe	mg/Kg	12000		12/15/04	1.25	EPA6010
Lead as Pb	mg/Kg	150		12/15/04	0.625	EPA6010
Magnesium as Mg	mg/Kg	2400		12/15/04	0.625	EPA6010
Manganese as Mn	mg/Kg	200		12/15/04	1.25	EPA6010
Mercury as Hg	mg/Kg	0.29		12/21/04	0.0125	EPA7470A
Nickel as Ni	mg/Kg	14		12/15/04	1.25	EPA6010
Potassium as K	mg/Kg	980		12/15/04	125	EPA6010
Selenium as Se	mg/Kg	< 0.5		12/17/04	0.5	EPA7740
Silver as Ag	mg/Kg	1.3		12/15/04	0.625	EPA6010
Sodium as Na	mg/Kg	240		12/15/04	125	EPA6010
Thallium as Tl	mg/Kg	< 0.5		12/20/04	0.5	EPA7841
Vanadium as V	mg/Kg	18		12/15/04	0.625	EPA6010
Zinc as Zn	mg/Kg	140		12/15/04	1.25	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47755 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.10 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		12/22/04	1	EPA8260
Bromomethane	ug/L	< 1		12/22/04	1	EPA8260
Vinyl Chloride	ug/L	< 1		12/22/04	1	EPA8260
Chloroethane	ug/L	< 1		12/22/04	1	EPA8260
Methylene Chloride	ug/L	30		12/22/04	1	EPA8260
Acetone	ug/L	< 10		12/22/04	10	EPA8260
Carbon disulfide	ug/L	< 1		12/22/04	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		12/22/04	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		12/22/04	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		12/22/04	2	EPA8260
Chloroform	ug/L	< 1		12/22/04	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		12/22/04	1	EPA8260
2-Butanone	ug/L	< 10		12/22/04	10	EPA8260
111 Trichloroethane	ug/L	< 1		12/22/04	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		12/22/04	1	EPA8260
Bromodichloromethane	ug/L	< 1		12/22/04	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		12/22/04	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		12/22/04	1	EPA8260
Trichloroethene	ug/L	< 1		12/22/04	1	EPA8260
Chlorodibromomethane	ug/L	< 1		12/22/04	1	EPA8260
112 Trichloroethane	ug/L	< 1		12/22/04	1	EPA8260
Benzene	ug/L	< 1		12/22/04	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		12/22/04	1	EPA8260
Bromoform	ug/L	< 1		12/22/04	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		12/22/04	10	EPA8260

cc:

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REMARKS:

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EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.10 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		12/22/04	10	EPA8260
Tetrachloroethene	ug/L	< 1		12/22/04	1	EPA8260
Toluene	ug/L	< 1		12/22/04	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		12/22/04	1	EPA8260
Chlorobenzene	ug/L	< 1		12/22/04	1	EPA8260
Ethyl Benzene	ug/L	< 1		12/22/04	1	EPA8260
Styrene	ug/L	< 1		12/22/04	1	EPA8260
o Xylene	ug/L	< 1		12/22/04	1	EPA8260
m + p Xylene	ug/L	< 2		12/22/04	2	EPA8260
Xylene	ug/L	< 3		12/22/04	3	EPA8260

cc:

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TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		12/14/04	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
Carbazole	ug/L	< 1		12/14/04	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		12/14/04	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		12/14/04	1	EPA8270
Hexachloroethane	ug/L	< 1		12/14/04	1	EPA8270
Nitrobenzene	ug/L	< 1		12/14/04	1	EPA8270
Isophorone	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		12/14/04	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		12/14/04	1	EPA8270
Naphthalene(sv)	ug/L	< 1		12/14/04	1	EPA8270
4-Chloroaniline	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		12/14/04	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		12/14/04	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		12/14/04	1	EPA8270
2-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Acenaphthylene	ug/L	< 1		12/14/04	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		12/14/04	1	EPA8270
3-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
Acenaphthene	ug/L	< 1		12/14/04	1	EPA8270
Dibenzofuran	ug/L	< 1		12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.10 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		12/14/04	1	EPA8270
Diethyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		12/14/04	1	EPA8270
Fluorene	ug/L	< 1		12/14/04	1	EPA8270
4-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		12/14/04	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorobenzene	ug/L	< 1		12/14/04	1	EPA8270
Phenanthrene	ug/L	< 1		12/14/04	1	EPA8270
Anthracene	ug/L	< 1		12/14/04	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Fluoranthene	ug/L	< 1		12/14/04	1	EPA8270
Pyrene	ug/L	< 1		12/14/04	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		12/14/04	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		12/14/04	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		12/14/04	1	EPA8270

cc:

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LAB NO.245249.10 12/22/04

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/08/04 RECEIVED:12/10/04
TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	< 1		12/14/04	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		12/14/04	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		12/14/04	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		12/14/04	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		12/14/04	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		12/14/04	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		12/14/04	1	EPA8270

cc:

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TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		12/14/04	1	EPA8270
2-Chlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		12/14/04	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		12/14/04	1	EPA8270
2-Nitrophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		12/14/04	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		12/14/04	10	EPA8270
4-Nitrophenol	ug/L	< 10		12/14/04	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		12/14/04	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		12/14/04	10	EPA8270

cc:

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TIME COL'D:1515
MATRIX:Water SAMPLE: SB-6/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	13		12/15/04	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.01		12/15/04	0.01	EPA200.7
Arsenic as As	mg/L	0.046		12/15/04	0.005	EPA200.7
Barium as Ba	mg/L	1.0		12/15/04	0.005	EPA200.7
Beryllium as Be	mg/L	0.001		12/15/04	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Calcium as Ca	mg/L	68		12/15/04	0.2	EPA200.7
Chromium as Cr	mg/L	0.034		12/15/04	0.005	EPA200.7
Cobalt as Co	mg/L	0.013		12/15/04	0.005	EPA200.7
Copper as Cu	mg/L	0.11		12/15/04	0.01	EPA200.7
Iron as Fe	mg/L	18		12/15/04	0.01	EPA200.7
Lead as Pb	mg/L	5.1		12/15/04	0.005	EPA200.7
Magnesium as Mg	mg/L	60		12/15/04	0.005	EPA200.7
Manganese as Mn	mg/L	0.32		12/15/04	0.01	EPA200.7
Mercury as Hg	mg/L	0.017		12/14/04	0.001	EPA245.2
Nickel as Ni	mg/L	0.03		12/15/04	0.01	EPA200.7
Potassium as K	mg/L	47		12/17/04	10	EPA200.7
Selenium as Se	mg/L	< 0.01		12/15/04	0.01	EPA200.9
Silver as Ag	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Sodium as Na	mg/L	430		12/17/04	10	EPA200.7
Thallium as Tl	mg/L	< 0.01		12/20/04	0.01	EPA200.9
Vanadium as V	mg/L	0.057		12/15/04	0.005	EPA200.7
Zinc as Zn	mg/L	0.35		12/15/04	0.01	EPA200.7

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.11 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1050
MATRIX:Soil SAMPLE: SB-7/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 64		12/14/04	64.102	EPA8260
Tetrachloroethene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Toluene	ug/Kg	12		12/14/04	6.4102	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Chlorobenzene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Ethyl Benzene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
Styrene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
o Xylene	ug/Kg	< 6.4		12/14/04	6.4102	EPA8260
m + p Xylene	ug/Kg	< 13		12/14/04	12.820	EPA8260
Xylene	ug/Kg	< 19		12/14/04	19.230	EPA8260
% Solids		78		12/13/04	0.1	SM182540G

cc:

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REMARKS:

DIRECTOR

rn = 47764 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
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LAB NO.245249.11 12/22/04

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ATTN: William Holubowich PO#:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1050
MATRIX:Soil SAMPLE: SB-7/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Carbazole	ug/Kg	< 38		12/15/04	38.461	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachloroethane	ug/Kg	< 38		12/15/04	38.461	EPA8270
Nitrobenzene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Isophorone	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 38		12/15/04	38.461	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
Naphthalene(sv)	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chloroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorobutadiene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Methylnaphthalene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 380		12/15/04	384.61	EPA8270
2-Chloronaphthalene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dimethyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Acenaphthylene	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 38		12/15/04	38.461	EPA8270
3-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
Acenaphthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dibenzofuran	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.11 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1050
MATRIX:Soil SAMPLE: SB-7/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Diethyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
Fluorene	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Nitroaniline	ug/Kg	< 38		12/15/04	38.461	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 38		12/15/04	38.461	EPA8270
Hexachlorobenzene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Phenanthrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Fluoranthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Pyrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
BenzylButylPhthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 380		12/15/04	384.61	EPA8270
Benzo(a)anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47766 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.11 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1050
MATRIX:Soil SAMPLE: SB-7/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(a)pyrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 38		12/15/04	38.461	EPA8270
Benzo(ghi)perylene	ug/Kg	< 38		12/15/04	38.461	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.11 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1050
MATRIX:Soil SAMPLE: SB-7/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Chlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 38		12/15/04	38.461	EPA8270
2-Nitrophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dimethylphenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 38		12/15/04	38.461	EPA8270
2,4-Dinitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
4-Nitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 380		12/15/04	384.61	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 380		12/15/04	384.61	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47768 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.11 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1050
MATRIX:Soil SAMPLE: SB-7/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	9600		12/15/04	1.2820	EPA6010
Antimony as Sb	mg/Kg	< 1.3		12/15/04	1.2820	EPA6010
Arsenic as As	mg/Kg	5.9		12/15/04	1.2820	EPA6010
Barium as Ba	mg/Kg	210		12/17/04	3.2051	EPA6010
Beryllium as Be	mg/Kg	0.32		12/15/04	0.1282	EPA6010
Cadmium as Cd	mg/Kg	0.94		12/15/04	0.6410	EPA6010
Calcium as Ca	mg/Kg	2600		12/15/04	25.641	EPA6010
Chromium as Cr	mg/Kg	19		12/15/04	0.6410	EPA6010
Cobalt as Co	mg/Kg	9.1		12/15/04	0.6410	EPA6010
Copper as Cu	mg/Kg	28		12/15/04	1.2820	EPA6010
Iron as Fe	mg/Kg	15000		12/15/04	1.2820	EPA6010
Lead as Pb	mg/Kg	120		12/15/04	0.6410	EPA6010
Magnesium as Mg	mg/Kg	4700		12/15/04	0.6410	EPA6010
Manganese as Mn	mg/Kg	310		12/15/04	1.2820	EPA6010
Mercury as Hg	mg/Kg	0.17		12/21/04	0.0064	EPA7470A
Nickel as Ni	mg/Kg	15		12/15/04	1.2820	EPA6010
Potassium as K	mg/Kg	4200		12/17/04	641.02	EPA6010
Selenium as Se	mg/Kg	< 0.51		12/17/04	0.5128	EPA7740
Silver as Ag	mg/Kg	< 0.64		12/15/04	0.6410	EPA6010
Sodium as Na	mg/Kg	820		12/15/04	128.20	EPA6010
Thallium as Tl	mg/Kg	< 6.4		12/15/04	6.4102	EPA6010
Vanadium as V	mg/Kg	28		12/15/04	0.6410	EPA6010
Zinc as Zn	mg/Kg	62		12/15/04	1.2820	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47769 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Bromomethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Vinyl Chloride	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Chloroethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Methylene Chloride	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Acetone	ug/Kg	< 14000		12/17/04	13888.	EPA8260
Carbon disulfide	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
1,1 Dichloroethene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
1,1 Dichloroethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
1,2 Dichloroethene	ug/Kg	< 2800		12/17/04	2777.7	EPA8260
Chloroform	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
1,2 Dichloroethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
2-Butanone	ug/Kg	< 14000		12/17/04	13888.	EPA8260
111 Trichloroethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Carbon Tetrachloride	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Bromodichloromethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
1,2 Dichloropropane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
c-1,3Dichloropropene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Trichloroethene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Chlorodibromomethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
112 Trichloroethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Benzene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
t-1,3Dichloropropene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Bromoform	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 14000		12/17/04	13888.	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47770 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 14000		12/17/04	13888.	EPA8260
Tetrachloroethene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Toluene	ug/Kg	1800		12/17/04	1388.8	EPA8260
1122Tetrachloroethane	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Chlorobenzene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
Ethyl Benzene	ug/Kg	1700		12/17/04	1388.8	EPA8260
Styrene	ug/Kg	< 1400		12/17/04	1388.8	EPA8260
o Xylene	ug/Kg	1500		12/17/04	1388.8	EPA8260
m + p Xylene	ug/Kg	3800		12/17/04	2777.7	EPA8260
Xylene	ug/Kg	5300		12/17/04	4166.6	EPA8260
% Solids		72		12/13/04	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS: Elevated detection level due to method analyte interference in sample.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 210		12/16/04	208.33	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 210		12/16/04	208.33	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 210		12/16/04	208.33	EPA8270
Carbazole	ug/Kg	3800		12/15/04	416.66	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 210		12/16/04	208.33	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 210		12/16/04	208.33	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 210		12/16/04	208.33	EPA8270
Hexachloroethane	ug/Kg	< 210		12/16/04	208.33	EPA8270
Nitrobenzene	ug/Kg	< 210		12/16/04	208.33	EPA8270
Isophorone	ug/Kg	< 210		12/16/04	208.33	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 210		12/16/04	208.33	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 210		12/16/04	208.33	EPA8270
Naphthalene(sv)	ug/Kg	18000		12/15/04	416.66	EPA8270
4-Chloroaniline	ug/Kg	< 210		12/16/04	208.33	EPA8270
Hexachlorobutadiene	ug/Kg	< 210		12/16/04	208.33	EPA8270
2-Methylnaphthalene	ug/Kg	11000		12/15/04	416.66	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 2100		12/16/04	2083.3	EPA8270
2-Chloronaphthalene	ug/Kg	< 210		12/16/04	208.33	EPA8270
2-Nitroaniline	ug/Kg	< 210		12/16/04	208.33	EPA8270
Dimethyl Phthalate	ug/Kg	< 210		12/16/04	208.33	EPA8270
Acenaphthylene	ug/Kg	2400		12/16/04	208.33	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 210		12/16/04	208.33	EPA8270
3-Nitroaniline	ug/Kg	< 210		12/16/04	208.33	EPA8270
Acenaphthene	ug/Kg	8100		12/15/04	416.66	EPA8270
Dibenzofuran	ug/Kg	6300		12/15/04	416.66	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 210		12/16/04	208.33	EPA8270
Diethyl Phthalate	ug/Kg	< 210		12/16/04	208.33	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 210		12/16/04	208.33	EPA8270
Fluorene	ug/Kg	9300		12/15/04	416.66	EPA8270
4-Nitroaniline	ug/Kg	< 210		12/16/04	208.33	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 210		12/16/04	208.33	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 210		12/16/04	208.33	EPA8270
Hexachlorobenzene	ug/Kg	< 210		12/16/04	208.33	EPA8270
Phenanthrene	ug/Kg	17000		12/15/04	416.66	EPA8270
Anthracene	ug/Kg	8300		12/15/04	416.66	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 210		12/16/04	208.33	EPA8270
Fluoranthene	ug/Kg	12000		12/15/04	416.66	EPA8270
Pyrene	ug/Kg	13000		12/15/04	416.66	EPA8270
BenzylButylPhthalate	ug/Kg	< 210		12/16/04	208.33	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 4200	$	12/15/04	4166.6	EPA8270
Benzo(a)anthracene	ug/Kg	7200		12/15/04	416.66	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: $Estimated due to low internal standard, $46%. Low recovery due to interference. QC limit is 50%.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	6300		12/15/04	416.66	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 210		12/16/04	208.33	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 420	$	12/15/04	416.66	EPA8270
Benzo(b)fluoranthene	ug/Kg	6000	$#	12/15/04	416.66	EPA8270
Benzo(k)fluoranthene	ug/Kg	6000	$#	12/15/04	416.66	EPA8270
Benzo(a)pyrene	ug/Kg	7400	$	12/15/04	416.66	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	2100	$	12/15/04	416.66	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	740	$	12/15/04	416.66	EPA8270
Benzo(ghi)perylene	ug/Kg	2500	$	12/15/04	416.66	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: $Estimated due to low internal standard, $46%. Low recovery due to interference. QC limit is 50%.
#Total = 12000 ug/Kg, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	530		12/16/04	208.33	EPA8270
2-Chlorophenol	ug/Kg	< 210		12/16/04	208.33	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	460		12/16/04	208.33	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	1600	*	12/16/04	208.33	EPA8270
2-Nitrophenol	ug/Kg	< 210		12/16/04	208.33	EPA8270
2,4-Dimethylphenol	ug/Kg	1000		12/16/04	208.33	EPA8270
2,4-Dichlorophenol	ug/Kg	< 210		12/16/04	208.33	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 210		12/16/04	208.33	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 210		12/16/04	208.33	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 210		12/16/04	208.33	EPA8270
2,4-Dinitrophenol	ug/Kg	< 2100		12/16/04	2083.3	EPA8270
4-Nitrophenol	ug/Kg	< 2100		12/16/04	2083.3	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 2100		12/16/04	2083.3	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 2100		12/16/04	2083.3	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS: *Total of 3 & 4 methylphenol, unable to separate isomers.

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6000		12/15/04	1.3888	EPA6010
Antimony as Sb	mg/Kg	< 1.4		12/15/04	1.3888	EPA6010
Arsenic as As	mg/Kg	11		12/15/04	1.3888	EPA6010
Barium as Ba	mg/Kg	290		12/17/04	3.4722	EPA6010
Beryllium as Be	mg/Kg	0.57		12/15/04	0.1388	EPA6010
Cadmium as Cd	mg/Kg	0.89		12/15/04	0.6944	EPA6010
Calcium as Ca	mg/Kg	9700		12/15/04	27.777	EPA6010
Chromium as Cr	mg/Kg	12		12/15/04	0.6944	EPA6010
Cobalt as Co	mg/Kg	6.8		12/15/04	0.6944	EPA6010
Copper as Cu	mg/Kg	33		12/15/04	1.3888	EPA6010
Iron as Fe	mg/Kg	12000		12/15/04	1.3888	EPA6010
Lead as Pb	mg/Kg	280		12/15/04	0.6944	EPA6010
Magnesium as Mg	mg/Kg	2400		12/15/04	0.6944	EPA6010
Manganese as Mn	mg/Kg	240		12/15/04	1.3888	EPA6010
Mercury as Hg	mg/Kg	0.49		12/21/04	0.0277	EPA7470A
Nickel as Ni	mg/Kg	14		12/15/04	1.3888	EPA6010
Potassium as K	mg/Kg	1100		12/15/04	138.88	EPA6010
Selenium as Se	mg/Kg	1.1		12/17/04	0.5555	EPA7740
Silver as Ag	mg/Kg	< 0.69		12/15/04	0.6944	EPA6010
Sodium as Na	mg/Kg	1100		12/15/04	138.88	EPA6010
Thallium as Tl	mg/Kg			12/15/04	1.3888	EPA6010
Vanadium as V	mg/Kg	18		12/15/04	0.6944	EPA6010
Zinc as Zn	mg/Kg	140		12/15/04	1.3888	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR_____

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.12 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1300
MATRIX:Soil SAMPLE: SB-8/12-16

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6000		12/15/04	1.3888	EPA6010
Antimony as Sb	mg/Kg	< 1.4		12/15/04	1.3888	EPA6010
Arsenic as As	mg/Kg	11		12/15/04	1.3888	EPA6010
Barium as Ba	mg/Kg	290		12/17/04	3.4722	EPA6010
Beryllium as Be	mg/Kg	0.57		12/15/04	0.1388	EPA6010
Cadmium as Cd	mg/Kg	0.89		12/15/04	0.6944	EPA6010
Calcium as Ca	mg/Kg	9700		12/15/04	27.777	EPA6010
Chromium as Cr	mg/Kg	12		12/15/04	0.6944	EPA6010
Cobalt as Co	mg/Kg	6.8		12/15/04	0.6944	EPA6010
Copper as Cu	mg/Kg	33		12/15/04	1.3888	EPA6010
Iron as Fe	mg/Kg	12000		12/15/04	1.3888	EPA6010
Lead as Pb	mg/Kg	280		12/15/04	0.6944	EPA6010
Magnesium as Mg	mg/Kg	2400		12/15/04	0.6944	EPA6010
Manganese as Mn	mg/Kg	240		12/15/04	1.3888	EPA6010
Mercury as Hg	mg/Kg	0.49		12/21/04	0.0277	EPA7470A
Nickel as Ni	mg/Kg	14		12/15/04	1.3888	EPA6010
Potassium as K	mg/Kg	1100		12/15/04	138.88	EPA6010
Selenium as Se	mg/Kg	1.1		12/17/04	0.5555	EPA7740
Silver as Ag	mg/Kg	< 0.69		12/15/04	0.6944	EPA6010
Sodium as Na	mg/Kg	1100		12/15/04	138.88	EPA6010
Thallium as Tl	mg/Kg	< 1.4		12/22/04	1.3888	EPA7841
Vanadium as V	mg/Kg	18		12/15/04	0.6944	EPA6010
Zinc as Zn	mg/Kg	140		12/15/04	1.3888	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.13 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		12/14/04	1	EPA8260
Bromomethane	ug/L	< 1		12/14/04	1	EPA8260
Vinyl Chloride	ug/L	< 1		12/14/04	1	EPA8260
Chloroethane	ug/L	< 1		12/14/04	1	EPA8260
Methylene Chloride	ug/L	< 1		12/14/04	1	EPA8260
Acetone	ug/L	< 10		12/14/04	10	EPA8260
Carbon disulfide	ug/L	< 1		12/14/04	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		12/14/04	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		12/14/04	2	EPA8260
Chloroform	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		12/14/04	1	EPA8260
2-Butanone	ug/L	< 10		12/14/04	10	EPA8260
111 Trichloroethane	ug/L	< 1		12/14/04	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		12/14/04	1	EPA8260
Bromodichloromethane	ug/L	< 1		12/14/04	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		12/14/04	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		12/14/04	1	EPA8260
Trichloroethene	ug/L	< 1		12/14/04	1	EPA8260
Chlorodibromomethane	ug/L	< 1		12/14/04	1	EPA8260
112 Trichloroethane	ug/L	< 1		12/14/04	1	EPA8260
Benzene	ug/L	< 1		12/14/04	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		12/14/04	1	EPA8260
Bromoform	ug/L	< 1		12/14/04	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		12/14/04	10	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47777 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.13 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		12/14/04	10	EPA8260
Tetrachloroethene	ug/L	< 1		12/14/04	1	EPA8260
Toluene	ug/L	< 1		12/14/04	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		12/14/04	1	EPA8260
Chlorobenzene	ug/L	< 1		12/14/04	1	EPA8260
Ethyl Benzene	ug/L	< 1		12/14/04	1	EPA8260
Styrene	ug/L	< 1		12/14/04	1	EPA8260
o Xylene	ug/L	< 1		12/14/04	1	EPA8260
m + p Xylene	ug/L	< 2		12/14/04	2	EPA8260
Xylene	ug/L	< 3		12/14/04	3	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47778 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.13 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		12/14/04	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
Carbazole	ug/L	< 1		12/14/04	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		12/14/04	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		12/14/04	1	EPA8270
Hexachloroethane	ug/L	< 1		12/14/04	1	EPA8270
Nitrobenzene	ug/L	< 1		12/14/04	1	EPA8270
Isophorone	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		12/14/04	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		12/14/04	1	EPA8270
Naphthalene(sv)	ug/L	< 1		12/14/04	1	EPA8270
4-Chloroaniline	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		12/14/04	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		12/14/04	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		12/14/04	1	EPA8270
2-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Acenaphthylene	ug/L	< 1		12/14/04	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		12/14/04	1	EPA8270
3-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
Acenaphthene	ug/L	< 1		12/14/04	1	EPA8270
Dibenzofuran	ug/L	< 1		12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.13 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		12/14/04	1	EPA8270
Diethyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		12/14/04	1	EPA8270
Fluorene	ug/L	< 1		12/14/04	1	EPA8270
4-Nitroaniline	ug/L	< 1		12/14/04	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		12/14/04	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		12/14/04	1	EPA8270
Hexachlorobenzene	ug/L	< 1		12/14/04	1	EPA8270
Phenanthrene	ug/L	< 1		12/14/04	1	EPA8270
Anthracene	ug/L	< 1		12/14/04	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Fluoranthene	ug/L	< 1		12/14/04	1	EPA8270
Pyrene	ug/L	< 1		12/14/04	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		12/14/04	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		12/14/04	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.13 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		12/14/04	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	< 1		12/14/04	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		12/14/04	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		12/14/04	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		12/14/04	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		12/14/04	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		12/14/04	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		12/14/04	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		12/14/04	1	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

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ATTN: William Holubowich PO#:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		12/14/04	1	EPA8270
2-Chlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		12/14/04	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		12/14/04	1	EPA8270
2-Nitrophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		12/14/04	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		12/14/04	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		12/14/04	10	EPA8270
4-Nitrophenol	ug/L	< 10		12/14/04	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		12/14/04	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		12/14/04	10	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.13 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1120
MATRIX:Water SAMPLE: SB-7/10-14

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	2.0		12/15/04	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.01		12/15/04	0.01	EPA200.7
Arsenic as As	mg/L	0.018		12/15/04	0.005	EPA200.7
Barium as Ba	mg/L	0.85		12/15/04	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		12/15/04	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Calcium as Ca	mg/L	81		12/15/04	0.2	EPA200.7
Chromium as Cr	mg/L	0.006		12/15/04	0.005	EPA200.7
Cobalt as Co	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Copper as Cu	mg/L	0.01		12/15/04	0.01	EPA200.7
Iron as Fe	mg/L	2.5		12/15/04	0.01	EPA200.7
Lead as Pb	mg/L	0.07		12/15/04	0.005	EPA200.7
Magnesium as Mg	mg/L	79		12/15/04	0.005	EPA200.7
Manganese as Mn	mg/L	0.23		12/15/04	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.001		12/14/04	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.01		12/15/04	0.01	EPA200.7
Potassium as K	mg/L	57		12/17/04	10	EPA200.7
Selenium as Se	mg/L	< 0.01		12/15/04	0.01	EPA200.9
Silver as Ag	mg/L	< 0.005		12/15/04	0.005	EPA200.7
Sodium as Na	mg/L	520		12/17/04	10	EPA200.7
Thallium as Tl	mg/L	< 0.01		12/20/04	0.01	EPA200.9
Vanadium as V	mg/L	0.009		12/15/04	0.005	EPA200.7
Zinc as Zn	mg/L	0.2		12/15/04	0.01	EPA200.7

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 47783 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.14 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Bromomethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Vinyl Chloride	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Chloroethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Methylene Chloride	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Acetone	ug/Kg	59		12/14/04	54.945	EPA8260
Carbon disulfide	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
1,2 Dichloroethene	ug/Kg	< 11		12/14/04	10.989	EPA8260
Chloroform	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
2-Butanone	ug/Kg	< 55		12/14/04	54.945	EPA8260
111 Trichloroethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Bromodichloromethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Trichloroethene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Chlorodibromomethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
112 Trichloroethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Benzene	ug/Kg	13		12/14/04	5.4945	EPA8260
t-1,3Dichloropropene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Bromoform	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
4-Methyl-2-Pentanone	ug/Kg	< 55		12/14/04	54.945	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.245249.14 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/Kg	< 55		12/14/04	54.945	EPA8260
Tetrachloroethene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Toluene	ug/Kg	110		12/14/04	5.4945	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Chlorobenzene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
Ethyl Benzene	ug/Kg	5.5		12/14/04	5.4945	EPA8260
Styrene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
o Xylene	ug/Kg	< 5.5		12/14/04	5.4945	EPA8260
m + p Xylene	ug/Kg	< 11		12/14/04	10.989	EPA8260
Xylene	ug/Kg	< 16		12/14/04	16.483	EPA8260
% Solids		91		12/13/04	0.1	SM182540G

cc:

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REMARKS:

DIRECTOR

rn = 47785 NYSDOH ID # 10320

EcoTest Laboratories Inc
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TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 160		12/16/04	164.83	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 160		12/16/04	164.83	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 160		12/16/04	164.83	EPA8270
Carbazole	ug/Kg	< 160		12/16/04	164.83	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 160		12/16/04	164.83	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 160		12/16/04	164.83	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 160		12/16/04	164.83	EPA8270
Hexachloroethane	ug/Kg	< 160		12/16/04	164.83	EPA8270
Nitrobenzene	ug/Kg	< 160		12/16/04	164.83	EPA8270
Isophorone	ug/Kg	< 160		12/16/04	164.83	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 160		12/16/04	164.83	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 160		12/16/04	164.83	EPA8270
Naphthalene(sv)	ug/Kg	< 160		12/16/04	164.83	EPA8270
4-Chloroaniline	ug/Kg	< 160		12/16/04	164.83	EPA8270
Hexachlorobutadiene	ug/Kg	< 160		12/16/04	164.83	EPA8270
2-Methylnaphthalene	ug/Kg	360		12/16/04	164.83	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 1600		12/16/04	1648.3	EPA8270
2-Chloronaphthalene	ug/Kg	< 160		12/16/04	164.83	EPA8270
2-Nitroaniline	ug/Kg	< 160		12/16/04	164.83	EPA8270
Dimethyl Phthalate	ug/Kg	< 160		12/16/04	164.83	EPA8270
Acenaphthylene	ug/Kg	< 160		12/16/04	164.83	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 160		12/16/04	164.83	EPA8270
3-Nitroaniline	ug/Kg	< 160		12/16/04	164.83	EPA8270
Acenaphthene	ug/Kg	< 160		12/16/04	164.83	EPA8270
Dibenzofuran	ug/Kg	< 160		12/16/04	164.83	EPA8270

cc:

LRL=laboratory Reporting Limit

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631 422-5777

LAB NO.245249.14 12/22/04

Roux Associates, Incorporated
209 Shafter Street
Islandia, NY 11749-5074
ATTN: William Holubowich PO#:

SOURCE OF SAMPLE: 551 West 21st Street, Project #126201Y
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/09/04 RECEIVED:12/10/04
TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 160		12/16/04	164.83	EPA8270
Diethyl Phthalate	ug/Kg	< 160		12/16/04	164.83	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 160		12/16/04	164.83	EPA8270
Fluorene	ug/Kg	< 160		12/16/04	164.83	EPA8270
4-Nitroaniline	ug/Kg	< 160		12/16/04	164.83	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 160		12/16/04	164.83	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 160		12/16/04	164.83	EPA8270
Hexachlorobenzene	ug/Kg	< 160		12/16/04	164.83	EPA8270
Phenanthrene	ug/Kg	440		12/16/04	164.83	EPA8270
Anthracene	ug/Kg	< 160		12/16/04	164.83	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 160		12/16/04	164.83	EPA8270
Fluoranthene	ug/Kg	< 160		12/16/04	164.83	EPA8270
Pyrene	ug/Kg	240		12/16/04	164.83	EPA8270
BenzylButylPhthalate	ug/Kg	< 160		12/16/04	164.83	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 1600	@	12/16/04	1648.3	EPA8270
Benzo(a)anthracene	ug/Kg	< 160		12/16/04	164.83	EPA8270

cc:

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REMARKS: @Estimated due to low internal standard, @20%. Low recovery due to interference. QC limit is 50%.

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TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	190		12/16/04	164.83	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 160		12/16/04	164.83	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 160	@	12/16/04	164.83	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 160	@	12/16/04	164.83	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 160	@	12/16/04	164.83	EPA8270
Benzo(a)pyrene	ug/Kg	< 160	@	12/16/04	164.83	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 160	@	12/16/04	164.83	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 160	@	12/16/04	164.83	EPA8270
Benzo(ghi)perylene	ug/Kg	< 160	@	12/16/04	164.83	EPA8270

cc:

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TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2-Chlorophenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 160		12/16/04	164.83	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 160		12/16/04	164.83	EPA8270
2-Nitrophenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2,4-Dimethylphenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2,4-Dichlorophenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 160		12/16/04	164.83	EPA8270
2,4-Dinitrophenol	ug/Kg	< 1600		12/16/04	1648.3	EPA8270
4-Nitrophenol	ug/Kg	< 1600		12/16/04	1648.3	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 1600		12/16/04	1648.3	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 1600		12/16/04	1648.3	EPA8270

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TIME COL'D:1414
MATRIX:Soil SAMPLE: SB-9/0-0.5

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	3100		12/15/04	1.0989	EPA6010
Antimony as Sb	mg/Kg	< 1.1		12/15/04	1.0989	EPA6010
Arsenic as As	mg/Kg	5.3		12/15/04	1.0989	EPA6010
Barium as Ba	mg/Kg	59		12/15/04	0.5494	EPA6010
Beryllium as Be	mg/Kg	< 0.11		12/15/04	0.1098	EPA6010
Cadmium as Cd	mg/Kg	2.6		12/15/04	0.5494	EPA6010
Calcium as Ca	mg/Kg	15000		12/15/04	21.978	EPA6010
Chromium as Cr	mg/Kg	26		12/15/04	0.5494	EPA6010
Cobalt as Co	mg/Kg	7.3		12/15/04	0.5494	EPA6010
Copper as Cu	mg/Kg	71		12/15/04	1.0989	EPA6010
Iron as Fe	mg/Kg	32000		12/15/04	1.0989	EPA6010
Lead as Pb	mg/Kg	120		12/15/04	0.5494	EPA6010
Magnesium as Mg	mg/Kg	800		12/15/04	0.5494	EPA6010
Manganese as Mn	mg/Kg	250		12/15/04	1.0989	EPA6010
Mercury as Hg	mg/Kg	0.038		12/21/04	0.0054	EPA7470A
Nickel as Ni	mg/Kg	78		12/15/04	1.0989	EPA6010
Potassium as K	mg/Kg	1500		12/15/04	109.89	EPA6010
Selenium as Se	mg/Kg	< 0.44		12/17/04	0.4395	EPA7740
Silver as Ag	mg/Kg	5.1		12/15/04	0.5494	EPA6010
Sodium as Na	mg/Kg	790		12/15/04	109.89	EPA6010
Thallium as Tl	mg/Kg	< 1.1		12/21/04	1.0989	EPA7841
Vanadium as V	mg/Kg	1100		12/15/04	0.5494	EPA6010
Zinc as Zn	mg/Kg	130		12/15/04	1.0989	EPA6010

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

ROUX CHAIN OF CUSTODY

№ 08550 Y

ROUX ASSOCIATES, INC.
Environmental Consulting & Management
209 SHAFTER STREET
ISLANDIA, NEW YORK 11749-5074
(631) 232-2600 FAX: (631) 232-9898

ANALYSES

PROJECT NAME: 551 WEST 21 STREET

PROJECT NUMBER: 126201Y

PROJECT LOCATION: 551 WEST 21ST STREET, NEW YORK, NEW YORK

PROJECT MANAGER: BILL HOLUBOWICH

SAMPLER(S): B. BEN-ELIEZER

SAMPLE DESIGNATION / LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	TCL VOCs	TCL SVOCs	TAL METALS	FULL TCLP		TOTAL BOTTLES	NOTES
SB-1/10-15 •	12/7/04	1015	SOIL	✓	✓	✓	✓		3	TCLP on hold
SB-1/5-7 •	12/7/04	1020	SOIL	✓	✓	✓			2	
SB-2/10-15 •	12/7/04	1120	SOIL	✓	✓	✓			2	
SB-2/10-15	12/7/04	1210	AQ	✓	✓	✓			4	
SB-3/15-20 •	12/7/04	1525	SOIL	✓	✓	✓	✓		3	TCLP on hold
SB-4/8-12 •	12/8/04	1110	SOIL	✓	✓	✓			2	
SB-4/10-14	12/8/04	1130	AQ	✓	✓	✓			4	
SB-5/8-12 •	12/8/04	1320	SOIL	✓	✓	✓	✓		3	TCLP on hold
SB-6/4-8 •	12/8/04	1450	SOIL	✓	✓	✓			2	
SB-6/10-14	12/8/04	1515	AQ	✓	✓	✓			4	

RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
[signature]	ROUX	12/10/04	0905	Y OR N	[signature]	Ecotest	12/10/04	9:15	
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N

DELIVERY METHOD

ANALYTICAL LABORATORY: ECOTEST

COMMENTS

ROUX CHAIN OF CUSTODY

No. 08547 Y

ROUX ASSOCIATES, INC.
Environmental Consulting & Management
209 SHAFTER STREET
ISLANDIA, NEW YORK 11749-5074
(631) 232-2600 FAX: (631) 232-9898

ANALYSES

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SAMPLE DESIGNATION / LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	TCL VOCs	TCL SVOCs	TAL METALS	FULL TCLP		TOTAL BOTTLES	NOTES
SB-7/12-16	12/9/04	1050	soil	✓	✓	✓			2	
SB-8/12-16	12/9/04	1300	soil	✓	✓	✓	✓		3	TCLP on hold (2oz jar)
SB-7/10-14	12/9/04	1120	AQ	✓	✓	✓			4	
SB-8/10-0.5	12/9/04	1415	soil	✓	✓	✓			2	

RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
[signature]	Roux	12/19/04	0905	Y	[signature]	Ecotest	12/19/04	9:15	
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N
RELINQUISHED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N	RECEIVED BY: (SIGNATURE)	FOR	DATE	TIME	SEAL INTACT Y OR N

DELIVERY METHOD: Drop-off

ANALYTICAL LABORATORY: ECOTEST

COMMENTS

CHAINOF.CDR 12AUG98